

Truckee River Flood Management Project



**Flood Project Coordinating
Committee Meeting
Agenda Book
January 13, 2006**

TRUCKEE RIVER FLOOD MANAGEMENT

FLOOD PROJECT COORDINATING COMMITTEE AGENDA

FRIDAY– JANUARY 13, 2005 – 8:30 A.M.
Washoe County Commission Chambers
1001 East Ninth Street, Reno, Nevada

MEMBERS

Jessica Sferrazza, Chair
Geno Martini, Vice-chair
Dan Gustin
David Humke
Bob Larkin
Robert Lichtenstein
Joseph Crowley
Judy Moss

ALTERNATES

Mike Carrigan
Dwight Dortch
Pete Sferrazza

PURSUANT TO NRS 241.020, THIS NOTICE HAS BEEN POSTED AT THE FOLLOWING

LOCATIONS: Washoe County Administration, 1001 East Ninth Street, Reno, Nevada; Washoe County Courthouse - Clerk's Office, Court and South Virginia Streets, Reno, Nevada; Sparks City Hall - City Clerk, 431 Prater Way, Sparks, Nevada, and Reno City Hall - City Clerk, One E. First St., Reno, Nevada. This Notice has also been posted on the Washoe County website, at the following address: <http://www.washoecounty.us/water/fpcc.htm> and on the official website for the City of Reno: www.cityofreno.com.

PUBLIC COMMENT: In order to conduct orderly, efficient, effective and dignified meetings that promote a governmental purpose with a governmental process, public comment may address any agenda item or other public issue that the Flood Project Coordinating Committee has the authority to effectuate or exercise control over. Public comment on matters beyond the Flood Project Coordinating Committee's scope of authority is not relevant to the Committee's business, does not invoke a governmental process nor serve a governmental purpose, and is contrary to the effective, efficient and orderly business conducted by the Committee. Each person addressing the Flood Project Coordinating Committee shall fill out a request to speak form, step up to the microphone when called, give his/her name and limit the time of his/her presentation to three (3) minutes. All public comment remarks shall be addressed to the Committee as a body, and not to any member thereof. No person, other than members of the Committee and the person having the floor, shall be permitted to enter into any discussion, either directly or through members of the Committee. No questions shall be asked of the Committee members, except through the presiding officer. Speakers shall avoid undue repetition of points previously presented to the Committee. The Committee reserves the right to determine during its meeting, through a vote of its members, whether to allow additional public comment, limited to one (1) minute per person, on specified individual items on the agenda.

NOTE: Items on the agenda might not be considered in the order that they appear.

Unless otherwise indicated by an asterisk (*), all items on the agenda are action items upon which the Flood Project Coordinating Committee may act. This facility is 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 Washoe County at 954-4639, 48 hours before the meeting.

1. ***CALL TO ORDER AND ROLL CALL** - Determination of a Quorum
2. **APPROVAL OF AGENDA** – FPCC meeting of January 13, 2006
3. **APPROVAL OF MINUTES** – FPCC meeting of December 2, 2005
4. ***PUBLIC COMMENT and Discussion Thereof**
For all items on or off the agenda, limited to three (3) minutes per person
5. ***FLOOD PROJECT DIRECTOR'S MONTHLY REPORT**
Naomi Duerr, Truckee River Flood Management Project Director
 - a. Working Group Activities during the previous month
 - b. Quarterly Report
 - c. ASA Woodley Visit Recap

* denotes NON-action items

6. **REPORT ON NEW YEAR'S EVE 2005 FLOOD EVENT**
Paul Urban, Flood Project Manager
Presentation and discussion on the 2005 New Year's Eve Flood and comparisons with the Flood of 1997. Possible direction to staff regarding post flood coordination and analysis.
7. **REPORT BACK ON THE "FLOOD AWARENESS WEEK"**
Susan Lynn, Public Resource Associates, Consultant to Truckee River Flood Project
Michael Pennington, Government Affairs, Reno-Sparks Chamber of Commerce
Roberta Ross, Chair, Downtown Improvement Association
Discussion and Reports from various stakeholders regarding Flood Awareness Week, possible direction to staff to refine and repeat event next year.
8. **REPORT ON SCR-26 LEGISLATIVE COMMITTEE -- FEASIBILITY AND ADVISABILITY OF CONSOLIDATING WATER-RELATED SERVICES IN WASHOE COUNTY**
Naomi Duerr, Truckee River Flood Management Project Director
Discussion and possible direction to staff regarding the SCR-26 Legislation and the upcoming subcommittee meeting that will be looking at consolidation of flood management services.
9. **REPORT ON NEED FOR ADDITIONAL FUNDING FOR THE TRUCKEE RIVER FLOOD MANAGEMENT PROJECT**
Naomi Duerr, Truckee River Flood Management Project Director
Discussion and possible direction to staff to explore additional funding sources for the Flood Project.
10. ***PRESENTATION ON WATER RIGHTS IN THE TRUCKEE MEADOWS AND THE TRUCKEE RIVER OPERATING AGREEMENT**
Vahid Behmaram, Water Rights Manager, Washoe County Dept. of Water Resources
Betsy Rieke, Area Manager, Lahontan Basin Area Office, U.S. Bureau of Reclamation
11. ***REPORT ON THE TRUCKEE RIVER FLOOD MANAGEMENT PROJECT SCHEDULE**
Brent Richmond, Hydrogeologist II
Presentation of the Truckee River Flood Management Schedule or GANTT chart
12. ***REPORT ON CORPS OF ENGINEERS ACTIVITIES RELATED TO THE TRUCKEE RIVER FLOOD MANAGEMENT PROJECT INCLUDING SCHEDULING AND FUNDING**
Linda Finley, USCOE, Chief, Civil Works Branch
Tim Kelleher, USCOE, Truckee River Project Manager
13. ***COMMITTEE MEMBER COMMENTS, REQUESTS AND FUTURE AGENDA ITEMS**
14. **ADJOURNMENT**

TRUCKEE RIVER FLOOD MANAGEMENT

Flood Project Coordinating Committee

DRAFT OF MINUTES

FRIDAY— DECEMBER 2, 2005 – 8:30 a.m.
Washoe County Commission Chambers
1001 East Ninth Street, Reno, Nevada

MEMBERS

Jessica Sferrazza, Chair
Geno Martini, Vice-chair
Dan Gustin
David Humke
Bob Larkin
Robert Lichtenstein
John Lilley
Judy Moss

ALTERNATES

Mike Carrigan
Dwight Dortch
Pete Sferrazza

1. CALL TO ORDER AND ROLL CALL – Determination of a Quorum

Chair Sferrazza called the meeting to order at 8:38 a.m.

VOTING MEMBERS PRESENT: Dan Gustin, Bob Larkin, Geno Martini, Judy Moss and Jessica Sferrazza. David Humke joined the meeting at 9:36 a.m.

VOTING MEMBERS EXCUSED: Robert Lichtenstein and John Lilley.

VOTING ALTERNATES PRESENT: None.

COMMUNITY COALITION PRESENT: Elisa Maser and Dennis Miller.

Legal Counsel was not present.

2. APPROVAL OF AGENDA

It was moved by Member Martini, seconded by Member Larkin, to approve the December 2, 2005, meeting agenda.

Naomi Duerr, Flood Project Director, asked that Agenda Item 8 be continued until the January 2006 meeting to allow staff additional time to complete the GIS (Geographical Information System) mapping.

The motion carried: Members Gustin, Larkin, Martini, Moss and Chair Sferrazza assenting; and Members Humke, Lichtenstein and Lilley excused.

3. APPROVAL OF MINUTES – FPCC (Flood Project Coordinating Committee) meeting of November 10, 2005.

Member Larkin asked that the typographical error on page six be corrected by changing “Lark” to read “Larkin.”

Elisa Maser suggested that the sentence under Policy 3.1d “... not have any significant effect...” be stricken.

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It was moved by Member Martini, seconded by Member Gustin, to approve the November 10, 2005, minutes, as amended. The motion carried: Members Gustin, Larkin, Martini, Moss and Chair Sferrazza assenting; and Members Humke, Lichtenstein and Lilley excused.

4. PUBLIC COMMENT *

Bob Ramsey of Rosewood Lakes recalled the 1997 flood and emphasized the need to assure that the Huffaker Narrows dam be developed as proposed to reduce water levels and flows in the Rosewood Lakes and Vista respectively. Mr. Ramsey strongly encouraged the FPCC to develop legislation that the local entities can use to regulate development in that critical area.

5. RECOGNITION OF PACIFIC WEST PROPERTIES – *Presentation of plaque to Pacific West Properties in recognition of their service to the Truckee River Flood Management Project.*

Chair Jessica Sferrazza introduced Michelle Erlach of Pacific West and expressed her appreciation to Pacific West for allowing the Flood Control Project to purchase the UNR (University of Nevada, Reno) property.

Naomi Duerr, Truckee River Flood Management Project Director, commented that the purchase, in her opinion, had strengthened the relationship with UNR and paved the way to move forward in the acquisition of other critical land parcels.

Chair Sferrazza presented the first Flood Fighter Spirit Award plaque to Ms. Erlach.

Ms. Erlach stated that she and Pacific West were honored to receive the award and wished the FPCC well in their future endeavors to protect the community.

6. FLOOD PROJECT DIRECTOR'S MONTHLY REPORT – *a). working Group Activities during the previous month; b). flood Project Activities during the previous month; c). legislation update; d). land cost projections; and e). UNR (University of Nevada, Reno) Land Exchange. Presentation of information and possible direction to staff on items relating to the negotiations for this land exchange.*

Naomi Duerr noted that John Lilley, UNR President had tendered his resignation from the FPCC and would be replaced by Interim President Joe Crowley. Ms. Duerr explained that Patti Bakker and Susan Lynn of Public Resource Associates would be making career changes with Ms. Bakker accepting a position with Washoe County. Ms. Duerr expressed her appreciation for their administrative assistance during the past several months. Ms. Duerr then outlined the SCR 26 meeting and the formation of a Subcommittee on flood issues chaired by State Senator Maurice Washington. Drawing attention to the upcoming meeting, in Sacramento, CA with senior U.S. Army Corps of Engineers (Corps) management, Ms. Duerr noted that Mia O'Connell would also attend the meetings to discuss the scheduled, timeline and other concerns. Mr. Duerr explained that staff would ask the FPCC to approve the addition of property located at 5205 Mill Street, formerly a telecommunications center for Excel Communications and Western Union to the priority Flood Control Parcel List. Recent legislation sponsored by Senator Harry Reid has directed that the entire

* denotes NON-action items

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flood control project, including the downtown Reno segment, be considered as a single project rather than individuals segments. Staff continues to review possible funding sources, including sales tax and other sources.

Katy Singlaub, Washoe County Manager, explained that staff would like FPCC direction so that the Finance Committee, which includes Finance Directors for the Cities of Reno, Sparks and Washoe County, can develop potential BDR's (Bill Draft Requests) for the 2007 legislative session. Additionally, the three entities need to develop a cohesive and comprehensive position to assure that other needs are also met.

Ms. Duerr noted that there has been no additional activity on the acquisition of UNR property since the last meeting. However, it is expected that the matter will be concluded in late January 2006.

7. UPDATE FLOOD AWARENESS WEEK – *Dan Gustin and Jeanne Ruefer. Presentation of information and possible direction to staff on items relating to preparations and implementation of Flood Awareness Week.*

Member Dan Gustin provided an overview of the proposed Flood Awareness public relations/education campaign and expressed his appreciation for the assistance provided by the three jurisdictions in development of the proposal. Mr. Gustin noted that in addition to printed material, PSAs (Public Service Announcements), sponsorship of electronic newscasts, a website www.floodawareness.com, as well as .org and .net would be used in conjunction at a public education forum on December 14, 2005 at Lawlor Events Center. The educational forum will target business and property owners with information and techniques on how to protect their property and businesses in the event of a flood.

Dan Morgan outlined the various components of the Flood Awareness campaign noting that the website would include contact information as well as federal flood insurance and locations for sandbags. Currently there are ongoing negotiations with local electronic media to sponsor certain news broadcasts during peak morning and evening hours as well as brochures that will include a condensed version of information available from the website. It is hoped that the program will be finalized today (December 2, 2005).

During the discussion, it was suggested that each of the three jurisdictions adopt a proclamation for the Flood Awareness program at their December 12, 13 and 14, 2005, meetings.

Member Gustin encouraged FPCC members to attend the December 14, 2005, seminar at Lawlor Events Center.

Chair Sferrazza complimented the efforts on the work done with this project.

8. PRESENTATION OF UPDATED MAP OF FLOOD ALERT GAGING STATION LOCATIONS
– *Presentation of the updated map and possible direction to staff relating to the map, its use and/or availability.*

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Deferred to January 2006.

9. FLOOD PROJECT COORDINATING COMMITTEE BYLAWS

Elisa Maser suggested that Item 5 under "Quorum" either be clarified or stricken since quorum is covered in Roberts Rules of Order.

Member Moss recommended that the word "and" be replaced with "an" under Item 12 second paragraph.

It was moved by Member Martini, seconded by Member Moss, to approve the Flood Project Coordinating Committee bylaws as amended. The motion carried: Members Gustin, Larkin, Martini, Moss and Chair Sferrazza assenting; and Members Humke, Lichtenstein and Lilley excused.

10. ADDITION OF THE PARCEL LOCATED AT 5205 MILL STREET TO THE FLOOD CONTROL PARCEL LIST AS OF OCTOBER 14, 2005; CREATE THE FLOOD CONTROL PARCEL LIST AS OF DECEMBER 2, 2005; RECOMMEND THAT THE WASHOE COUNTY COMMISSION ADOPT THE FLOOD CONTROL PARCEL LIST AS OF DECEMBER 2, 2005

Paul Urban, Truckee River Flood Management Project Program Manager, pointed out the location of the subject property (5205 Mill Street) on the map and explained that the building's former use as a telecommunications operation had been cost prohibitive. However, the building is currently vacant and available for lease. If approved by the FPCC the matter will be dated to reflect the list date as December 2, 2005, and forwarded to the Washoe County Board (Board of County Commissioners) for adoption.

It was moved by Member Larkin, seconded by Member Gustin, to add the parcel located at 6205 Mill Street to the Flood Control Parcel Listed (dated October 14, 2005) and redate the list to December 2, 2005. The motion carried: Members Gustin, Larkin, Martini, Moss and Chair Sferrazza assenting; and Members Humke, Lichtenstein and Lilley excused.

11. REPORT ON CORPS OF ENGINEERS ACTIVITIES RELATED TO THE TRUCKEE RIVER FLOOD MANAGEMENT PROJECT INCLUDING SCHEDULING AND FUNDING *

Chair Sferrazza suggested that future reports from Mr. Kelleher be in writing.

12. COMMITTEE MEMBER COMMENTS, REQUESTS AND FUTURE AGENDA ITEMS *

Member Larkin suggested monthly updates on the work of the SCR 26 Subcommittee as it pertains to flood control issues, as well as an informational item concerning types and uses of water rights in the Truckee Meadows.

In response to Chair Sferrazza's concern about TROA (Truckee River Operating Agreement) and certain confidentiality issues, Steve Varela – Reno Public Works Director, commented that, in his

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opinion, a generic discussion of water rights could be provided without affecting ongoing negotiations.

Elisa Maser recommended a discussion item on early implementation projects so that project status can be granted to certain projects thus allowing the local entities an opportunity to regulate certain types and areas of growth.

Chair Sferrazza recommended that the matter be agendaized as an action item.

Member David Humke joined the meeting at 9:36 a.m.

Chair Sferrazza asked that a discussion of the overall flood project and its effects on property in the region be added to a future agenda so that a better understanding of the overall flood project can be developed.

13. ADJOURNMENT

Chair Sferrazza adjourned the meeting at 9:37 a.m.

TRUCKEE RIVER FLOOD MANAGEMENT

FLOOD PROJECT COORDINATING COMMITTEE

STAFF REPORT

MEETING DATE: January 13, 2006

MEMBERS

Jessica Sferrazza, Chair
Geno Martini, Vice-chair
Joe Crowley
Dan Gustin
David Humke
Bob Larkin
Robert Lichtenstein
Judy Moss

DATE: January 9, 2006

TO: Flood Project Coordinating Committee Members

THROUGH: Naomi Duerr, Director, Truckee River Flood Management Project nduerr@washoecounty.us

FROM: Paul Urban, Flood Control Program Manager, Truckee River Flood Management Project 850-7428, purban@washoecounty.us

SUBJECT: REPORT ON THE NEW YEARS EVE 2005 FLOOD EVENT

ALTERNATES

Mike Carrigan
Dwight Dortch
Pete Sferrazza

SUMMARY

On December 31, 2005 the Truckee River flooded with a crest of 13.7 feet at the Reno gage and 20.3 feet at the Vista Gage. The crest amounted to a flow of about 17,000 cubic feet per second (cfs) at the Reno gage and about 15,000 cubic feet per second (cfs) at the Vista gage. In comparison the 1997 New Year's Day flood peaked with a flow of about 23,000 cfs at the Reno gage and 20,000 cfs at the Vista gage. The New Year's Day 1997 flood was about a 1 in 120 year event. The New Year's Eve Flood of 2005 was about a 1 in 50 year event.

This is a rough, preliminary account of the New Year's Eve 2005 flood based on very early information gathered by staff of the Truckee River Flood Project. This information will need to be further reviewed and verified before any final report is issued. Its intent is to give a quick, early accounting of what happened during the flood. At the Flood Project Coordinating Committee (FPCC) meeting on Friday January 13, 2006, Paul Urban will give a slightly more detailed presentation to give a more visual, preliminary overview of the flood.

Flood staff from Washoe County, Reno, Sparks and a number of other agencies has been reviewing how the flood affected them. Surveys were started during the flood and after the flood receded to measure high-water marks, the flood boundary, and to assess the damage that was done. Crews from the Federal Emergency Management Agency (FEMA) are also in the area assessing damages done and they will generate a report of what they have found. This report only incorporates a few comments I was able to share with the other Cities and entities. If the committee so desires, a more final report can be completed. It will need to incorporate the information from the two cities and other agencies to get a fuller picture of what happened during the flood event.

This flood event resulted in the first actual use of the Early Flood Warning System's Flood Emergency Response Plan. Last winter the Truckee River hit a Green Alert trigger for a few

AGENDA ITEM #6

minutes. No official alert was issued but the local emergency managers were contacted and they met as described for a GREEN ALERT in the plan. This year the flood event progressed through all the levels of the plan from initial warning, preparation, flood fighting and flood recovery.

One success story of the Flood Emergency Response Plan was that the airport didn't flood. Flows were anticipated to be high enough to overflow into the Reno Hilton pond and then overflow into the airport area – like they did in 1997. In response to this and observations that flows were nearing the overflow stage, a levee was constructed to keep flows in the river channel. A significant amount of water flowed into the Hilton pond during the effort to construct this levee but the pond was still a long way from overflowing into Greg Street and then into the airport area as happened in 1997.

Another difference from the 1997 flood was that there was equipment on the downtown Reno bridges before flows neared their deck levels to clean away debris as it came onto the bridges. This kept water levels in the downtown Reno area lower than if the debris was allowed to collect on the bridges and hold back flows. The Cities and County had also prepositioned sand and sandbags for use in the flood event.

Unfortunately the flood levels exceeded the height of the “levees” along the north bank of the Truckee River through the City of Sparks. These are not levees that were engineered to the degree required by the Corps of Engineers (Corps) or FEMA. But they do provide some protection. The levees were over topped in a number of areas. Breches eroded through the levees allowing floodwater to flow behind them. This caused water to flow into the East Sparks industrial area. Floodwaters flowed through parking lots, streets and storage yards. Water ponded in low areas and rose to levels where property was damaged. Some buildings had water in them due to the depth of water flowing past them on it way to the ponding areas behind the levees in the East Sparks Industrial area. Early reports state that about 900 buildings were flooded.

In the weeks before Christmas a number of warm rainstorms came off the Pacific Ocean and into the Reno-Tahoe area. They dropped rain in the mountains up to elevations of 8,500 and 9,000 feet. This quickly saturated the watershed. Each rain event caused the Truckee River to rise by 1000 cfs to 3000 cfs. But the rain would quit in a day and there would be twenty-four or more hours without rain after the event. This allowed the river to recede. Then the next storm would come in and the river would rise again.

The week before Christmas the flood warning system was tracking these precipitation events and staff noticed that the peaks of each of these small events were increasing. This was because the river did not have enough time to recede all the way down to its initial flow rate before the rain event. Staff noticed that the river was now responding very rapidly to changes in rainfall intensity.

On December 30th rains started again. This time the duration of the intense rainfall was predicted to last a longer time than the past smaller storms. Even as the river was receding from the last storm on December 27th and 28th, the forecast was for the Truckee River to start rising as the new rainstorm started. On the evening of Friday, December 30, 2005, the river was forecast

to peak at a stage of about 10 Feet at the Reno gage and about 16.1 feet at the Vista gage. These peaks were estimated to occur between 4:00pm and 6:00 pm on Saturday, December 31, 2005.

The 6:07 pm forecast on Friday December 30th, still only expected the river to have moderate flooding. But the rain was supposed to be turning to snow that evening. That had not happened and the rain intensity was continuing. Another forecast was run at 11pm taking into account the greater rain and less snow that was actually happening – opposed to the more snow less rain that was earlier forecast. This resulted in an estimated flood crest eight feet higher than before. The peak stage at the Vista gage was now predicted to reach 24 feet instead of the 16.1 feet predicted at 6:07pm. The 1997 event went to a stage of 24.2 feet at the vista gage. Now, instead of moderate flooding we were looking at a repeat of the 1997 flood event.

A number of forecasts were run through Friday night, and early on Saturday morning. The temperatures started to cool and rain was turning to snow in the mountains above Reno. This caused the river to show signs of cresting. The forecast peaks at the Vista gage were lowering to around 20 feet. About noon on Saturday the river was cresting at the Reno Gage at a stage of about 13.7 feet. The USGS was able to measure a flow of about 17,000 cfs at this time. Since a lot of water was still coming down Steamboat Creek on Saturday morning and there was still rain in the Valleys to the South, the Vista gage flow was not cresting. The rise in water levels was slowing but the stage at the Vista gage continued to raise a few tenths of a foot to peak at a stage of 20.3 feet, about 15,000 cfs, at about 8:00 pm on Saturday evening.

On Sunday morning Naomi Duerr and Paul Urban from the Truckee River Flood Project took a Nevada Air National Guard black hawk helicopter tour of the Truckee Meadows area to see the flooding and effects of flooding. They looked at the tributaries on the east slope alluvial fans in the Southwest Truckee Meadows including the Galena, Montreux, Pleasant Valley and Washoe Lake areas. They also flew over the Curti Ranch Damonte Ranch, Double Diamond, and Bella Vista Ranch areas in the Southeast Truckee Meadows. The flight continued north along Steamboat Creek to see the North Butler Ranch, Heron's Landing, Rosewood Lakes, Hidden Valley, and Hidden Meadows areas. Then Naomi and Paul flew along the river to Pyramid Lake; back to the Truckee Meadows through Spanish Springs; to the East Sparks industrial areas; then along the river through downtown Reno and back to Stead.

Crews from The Washoe County Department of Water Resources and Truckee River Flood Project staff were sent out on Tuesday, January 3, 2006, to locate high-water marks and measure the boundary of the flood. Flood staff from Sparks and Reno also went into the field to document the extent and amount of flooding in the region. This will all be compiled and a more comprehensive report developed in the future. This report will help us evaluate our flood response and make revision where they are needed to improve our flood response and warning system.

A notice of a potential need to issue a GREEN ALERT was sent out to emergency managers on 12/27/2005 at 12:24pm. An actual GREEN ALERT was issued on 12/29/2005 at 4:01pm and the emergency managers, City and County managers, public works department heads and others were notified according to the flood emergency response plan. As the rain continued a YELLOW ALERT and then an ORANGE ALERT was issued. Each alert causes additional activities to be initiated according to the Flood Emergency Response Plan. At the ORANGE ALERT level we were certain that there would be at least minor to moderate flooding along the

Truckee River and Steamboat Creek in the next 24 to 48 hours. The crisis management team met and discussed how they were going to respond to this event and how the various entities and response agencies would coordinate with each other as this event continued to unfold. Estimates of flood peak, timing and inundation area were prepared and revised as new information was received.

Below is a listing of the alerts that went out to the emergency managers and other emergency responders during the flood event.

NOTICE OF POTENTIAL GREEN ALERT

12/27/2005 at 12:24pm

RENO GAGE :	Current stage and flow	5.67 feet – 890 cfs
	Flood stage	11.0 feet
	Forecast stage and flow	8.4 feet – 3,760 cfs
	Time of Peak	Fri. 12/30/05 at 3:00pm
VISTA GAGE:	Current stage and flow	6.04 feet – 1,060 cfs
	Flood stage	15.0 feet
	Forecast stage and flow	12.5 feet – 4,830 cfs
	Time of Peak	Tue. 12/30/05 at 5:00pm

GREEN ALERT ISSUED

12/29/2005 at 4:01pm

RENO GAGE :	Flood stage	11.0 feet
	Forecast stage and flow	To stay below the monitoring level
	Time of Peak	N/A
VISTA GAGE:	Flood stage	15.0 feet
	Forecast stage and flow	13.8 feet – 5,765 cfs
	Time of Peak	Sat. 12/31/05 at 2:00pm

YELLOW ALERT ISSUED

12/29/2005 at 11:10pm

RENO GAGE :	Flood stage	11.0 feet
	Forecast stage and flow	8.9 Feet – 4,690 cfs
	Time of Peak	Sat. 12/31/05 at 10:00am
VISTA GAGE:	Flood stage	15.0 feet
	Forecast stage and flow	13.8 feet – 5,765 cfs
	Time of Peak	Sat. 12/31/05 at 2:00pm

ORANGE ALERT ISSUED

12/30/2005 at 10:38am

RENO GAGE :	Flood stage	11.0 feet
	Forecast stage and flow	9.5 feet – 6,250 cfs
	Time of Peak	Sat. 12/31/05 at 7:00pm

VISTA GAGE:	Flood stage	15.0 feet
	Forecast stage and flow	15.7 feet – 7,370 cfs
	Time of Peak	Sun. 1/01/06 at 2:00am

RED ALERT ISSUED

12/30/2005 at 9:08pm

RENO GAGE :	Flood stage	11.0 feet
	Forecast stage and flow	10.0 feet – 7,500 cfs
	Time of Peak	Sat. 12/32/05 at 5:00pm

VISTA GAGE:	Flood stage	15.0 feet
	Forecast stage and flow	16.1 feet – 7,750 cfs
	Time of Peak	Sat. 12/31/05 at 6:00pm

As already mentioned above, another forecast was run at 11pm on Friday December 30th. This forecast took into account the greater rain and less snow that was actually happening – opposed to the more snow less rain that was earlier forecast. This resulted in an estimated flood crest eight feet higher than before. The peak stage at the Vista gage was now predicted to reach 24 feet instead of the 16.1 feet predicted at 6:07pm. This message was passed along to the emergency responders.

PREVIOUS ACTION

None

FISCAL IMPACT

There is no additional fiscal impact from this agenda item.

RECOMMENDATION

It is recommended that the Flood Project Coordinating Committee accept the report and provide any direction to staff on follow-up, analysis or other needs as a result of this report.

POSSIBLE MOTION

Should the Committee wish to implement the staff recommendation, a simple motion to approve the recommendation would suffice.

ND:pdu

TRUCKEE RIVER FLOOD MANAGEMENT

FLOOD PROJECT COORDINATING COMMITTEE

STAFF REPORT

MEETING DATE: January 13, 2006

MEMBERS

Jessica Sferrazza, Chair
Geno Martini, Vice-chair
Joseph Crowley
Dan Gustin
David Humke
Bob Larkin
Robert Lichtenstein
Judy Moss

DATE: January 10, 2006
TO: Flood Project Coordinating Committee Members
FROM: Naomi Duerr, P.G. Director, Truckee River Flood Project
nduerr@washoecounty.us

ALTERNATES

Mike Carrigan
Robert Dickens
Dwight Dortch
Pete Sferrazza

SUBJECT: REPORT BACK ON FLOOD AWARENESS WEEK

SUMMARY

A presentation will be provided on the results of Truckee Meadows Flood Awareness Week, December 14-20, 2005. The presentation will include a recap of the Flood Awareness Seminar, a report on the new flood awareness website, an evaluation of the impact of the flood awareness events in terms of increasing awareness and changing behavior, and recommendations for future flood awareness events.

PREVIOUS ACTION

November 10, 2005	FPCC discussed implementing a program to increase public awareness of flooding
December 2, 2005	FPCC approved implementation of Flood Awareness Week

FISCAL IMPACT

There is no fiscal impact from this agenda item.

RECOMMENDATION

It is recommended that the Truckee River Flood Project Director continue to attend the SCR Committee meetings and report back on the progress of the committees.

POSSIBLE MOTION

Possible direction to staff to implement recommendations to improve flood awareness week in 2006 based on lessons learned in 2005..

TRUCKEE RIVER FLOOD MANAGEMENT

FLOOD PROJECT COORDINATING COMMITTEE

STAFF REPORT

MEETING DATE: January 13, 2006

MEMBERS

Jessica Sferrazza, Chair
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Dan Gustin
David Humke
Bob Larkin
Robert Lichtenstein
Judy Moss

DATE: January 10, 2006
TO: Flood Project Coordinating Committee Members
FROM: Naomi Duerr, Director, Truckee River Flood Management Project nduerr@washoecounty.us
SUBJECT: Agenda Item 8 -- Report on SCR 26 Legislative Committee – Feasibility and Advisability of Consolidating Water Related Services in Washoe County

ALTERNATES

Mike Carrigan
Robert Dickens
Dwight Dortch
Pete Sferrazza

SUMMARY

The Legislature has convened a special committee under Senate Concurrent Resolution 26 to study water resource issues in Nevada and the possible consolidation of water related services in Washoe County. A copy of SCR 26 is attached herein.

On page 3, SCR 26 sets up a subcommittee to study the feasibility and advisability of consolidating water-related services in Washoe County (marked by arrow). Section 2 (a) of SCR 26 (page 4) identifies consolidation of flood control as one of the water-related services the Legislative Committee will be studying. The SCR 26 Committee expects to hold a total of six meetings and to complete its work by June 2006.

The members of the Legislative Committee focusing on Washoe County water-services consolidation include:

- Senator Mark E. Amodei, Chair
- Assemblywoman Heidi S. Gansert, Vice Chair
- Senator Bernice Mathews
- Senator Maurice E. Washington
- Assemblyman John W. Marvel
- Assemblywoman Debbie Smith

The first meeting of the SCR 26 Committee was held November 30, 2005 in Carson City. The agenda for that meeting is attached. Flood Project Director Naomi Duerr

presented an overview of the Truckee River Flood Project to the Committee at the meeting. A copy of the presentation is attached.

Of interest to the FPCC, at their first meeting, the SCR 26 Committee set up a Subcommittee to focus on flood and wastewater issues. This Subcommittee, to be chaired by Senator Maurice Washington, will meet for the first time on January 31, 2006 at 10 a.m. in Sparks at Cityworks. No agenda is available at this time, and flood staff have not yet been asked to make a presentation at that meeting, although we expect a request to be forthcoming. No specific flood management issues were raised at the Committee hearing. It is expected that Senator Washington will open the hearing to the agencies and the public to solicit information regarding management of flood issues in Washoe County. As a follow-on, it is possible that Senator Washington would solicit input on whether:

1. All or a portion of flood-related services in Washoe County (i.e., all county, Sparks and Reno flood issues) should be consolidated under one agency or umbrella? and if so,
2. How should that occur?

The second meeting of the larger SCR 26 Committee will be held on January 19, 2006 at 9 a.m. in the Washoe County Commission Chambers. The agenda is attached. As a note, Senator Amodei, Chair of the larger SCR 26 Committee, reminded all of the agency staff that we are required by law to support the work of the legislative committee.

PREVIOUS ACTION

None

FISCAL IMPACT

There is no fiscal impact from this agenda item.

RECOMMENDATION

It is recommended that the Truckee River Flood Project Director continue to attend the SCR Committee meetings and report back on the progress of the committees.

POSSIBLE MOTION

Motion providing direction to the Flood Project Director concerning issues related to possible consolidation of flood-related services in Washoe County.

ND:pdu

TRUCKEE RIVER FLOOD MANAGEMENT

FLOOD PROJECT COORDINATING COMMITTEE

STAFF REPORT

MEETING DATE: January 13, 2006

MEMBERS

Jessica Sferrazza, Chair
Geno Martini, Vice-chair
Joseph Crowley
Dan Gustin
David Humke
Bob Larkin
Robert Lichtenstein
Judy Moss

DATE: January 10, 2006
TO: Flood Project Coordinating Committee Members
FROM: Naomi Duerr, Director, Truckee River Flood Management Project nduerr@washoecounty.us
SUBJECT: Agenda Item 9 -- Report on the Need for Additional Funding for the Truckee River Flood Management Project

ALTERNATES

Mike Carrigan
Robert Dickens
Dwight Dortch
Pete Sferrazza

SUMMARY

In 1999 Washoe County implemented a 1/8th cent sales tax to pay for the construction of a new Regional Emergency Operations Center, Police–Fire Training Center, and the development and construction of the Truckee River Flood Management Project.

The Truckee River Flood Project is expected to cost approximately \$350 Million dollars. This figure includes purchase of lands, planning, design, and construction of the project. Of note, this figure was developed several years ago based on an assumption that lands in public ownership essential for the project, such as the UNR Main Station Farm, would be provided to the project at no cost. Since that time, increased valuations for land and the need to compensate public agencies for their land contributions are driving up the ultimate project costs significantly. Operation and maintenance costs for the project have not been calculated at this point.

A presentation will be made on the anticipated cost of the Truckee River Flood Project, anticipated local cost share amount, and the local cost share project shortfall which may occur under some project scenarios.

A brief menu of options to increase revenues will be presented.

PREVIOUS ACTION

None

FISCAL IMPACT

There is no fiscal impact from this agenda item.

RECOMMENDATION

It is recommended that the FPCC members hold an initial discussion regarding various methods to increase revenues for the Truckee River Flood Project. Following discussion, it is recommended that the FPCC direct the Project Director to research various revenue enhancing options and make a recommendation to the FPCC as to the most appropriate methods to pursue.

POSSIBLE MOTION

Should the Committee wish to implement the staff recommendation, a simple motion to approve the recommendation would suffice.

ND

TRUCKEE RIVER FLOOD MANAGEMENT

FLOOD PROJECT COORDINATING COMMITTEE

STAFF REPORT

MEETING DATE: January 13, 2005

MEMBERS

Jessica Sferrazza, Chair
Geno Martini, Vice-chair
Dan Gustin
David Humke
Bob Larkin
Robert Lichtenstein
Joseph Crowley
Judy Moss

DATE: January 9, 2006

TO: Flood Project Coordinating Committee Members

THROUGH: Naomi Duerr, Director, Truckee River Flood Management Project nduerr@washoecounty.us

FROM: Brent Richmond, Hydrogeologist II, Truckee River Flood Management Project, 954-4687, brichmond@washoecounty.us

SUBJECT: ***Agenda Item 11 - REPORT ON THE TRUCKEE RIVER FLOOD MANAGEMENT PROJECT SCHEDULE**

ALTERNATES

Mike Carrigan
Dwight Dortch
Pete Sferrazza

SUMMARY

The attached Gantt chart was developed by staff to show the U.S. Army Corps schedule for the Truckee River Flood Management Project. The schedule depicts both milestones the Corps has in its planning process and recurring meetings. The intent of this presentation is for the FPCC to review the schedule and track any changes.

The schedule, as attached, was derived from the schedule presented by staff at the September FPCC meeting and incorporates the Corps scheduling changes that were presented at the October FPCC meeting by Tim Kelleher USCOE Project Manager. The schedule staff presented in September served as the base schedule and all changes will be tracked from that schedule. Any changes are shown in red.

PREVIOUS ACTION

September 9, 2005 – Flood project Staff presented a GANNT Chart or Project Schedule to the FPCC.

A report by the Corps of Engineers on their activities in relation to the Truckee River Flood Management Project has been established as a standing agenda item for each meeting of the Flood Project Coordinating Committee. Since, its October meeting Tim Kelleher, USCOE has presented schedule updates to the FPCC.

Flood project staff make a presentation on the Flood Project Gantt Chart at the beginning of each quarter to highlight any schedule changes and obtain formal FPCC input.

FISCAL IMPACT

There is no additional fiscal impact from this agenda item.

RECOMMENDATION

It is recommended that the Flood Project Coordinating Committee accept this report as an informational item

POSSIBLE MOTION

No motion is needed since this is an informational item.

ND:bmr

TRUCKEE RIVER FLOOD MANAGEMENT

FLOOD PROJECT COORDINATING COMMITTEE

STAFF REPORT

MEETING DATE: January 13, 2006

DATE: January 9, 2006

TO: Flood Project Coordinating Committee Members

THROUGH: Naomi Duerr, Director, Truckee River Flood Management Project nduerr@washoecounty.us

FROM: Paul Urban, Flood Control Program Manager, Truckee River Flood Management Project 954-4639, purban@washoecounty.us

SUBJECT: ***REPORT ON CORPS OF ENGINEERS ACTIVITIES IN RELATION TO THE TRUCKEE RIVER FLOOD MANAGEMENT PROJECT INCLUDING SCHEDULING AND FUNDING** Tim Kelleher, the Corps' Project Manager, and Linda Finley, the Corps' Program Director for Civil Works Project Management.

MEMBERS

Jessica Sferrazza, Chair
Geno Martini, Vice-chair
Joe Crowley
Dan Gustin
David Humke
Bob Larkin
Robert Lichtenstein
Judy Moss

ALTERNATES

Mike Carrigan
Dwight Dortch
Pete Sferrazza

SUMMARY

Tim Kelleher, Corps of Engineers Project Manager, will introduce his supervisor, Linda Finley to the Flood Project Coordinating Committee (FPCC). Linda and Tim will give an oral presentation regarding the activities and accomplishments of the Corps of Engineers' project team over the past month on the Truckee River Flood Management Project. This may include, but is not limited to, information on tasks completed, issues or problems that have developed, project schedule and funding. Attached is a bullet list of the items Linda and Tim are preparing to speak about.

PREVIOUS ACTION

A report by the Corps of Engineers on their activities in relation to the Truckee River Flood Management Project has been established as a standing agenda item for each meeting of the Flood Project Coordinating Committee

FISCAL IMPACT

There is no additional fiscal impact from this agenda item.

RECOMMENDATION

It is recommended that the Flood Project Coordinating Committee accept this report as an informational item

POSSIBLE MOTION

No motion is needed since this is an informational item.

ND:[pdu](#)

AGENDA ITEM #12

Truckee Meadows FPCC Talking Points – Project Manager/Kelleher
13 January 2006

1. Hydraulic models and floodplains for Meadows area are complete. Damages and project benefits for Meadows are complete.
2. **Damages in the Downtown area are complete** and due to more accurate property identification and property value, the without project damages have gone up over previous estimates. Floodplains for downtown are completed. Project benefits for the downtown advance bridge replacement should be completed by end of January.
3. Hydraulic modeling for the downstream reach **will begin in late January**.
4. Federal plan identification and optimization will start as soon as economic benefits for the downtown are complete, which is expected to occur at the end of January.
5. The comparison of alternatives for the Federal plan will be completed by the end of March. Selection of Federal plan is scheduled for April, 2006.
6. The working group's balancing act is underway. The working group's selection of a plan for the Meadows and downstream is assumed to become the locally preferred plan. The locally preferred plan will be transmitted to the Corps by the end of February.
7. O&M costs for the existing floodwalls in the downtown area are needed for the determination of the B/C ratio for downtown. The O &M costs will help towards being able to justify a federal project in the downtown area. B/C ratio is very close – the O&M costs might make the difference.

Talking Points for Chief, Chief, Civil Works Project Management/Finley
13 January 2006

1. Sufficient funding is available for all work planned for this Fiscal Year. The project will have excess funding in FY06. Reprogramming of excess FY06 funds from Truckee River to other projects is possible; however, such reprogramming may require congressional committee authorization. We will keep sponsors advised as reprogramming policy becomes finalized.
2. Unused FY06 funds that are not subject to potential reprogramming will be available at the start of FY07, which will avoid CRA-based restrictions typically encountered in past years. The Corps expects to expend \$1.6M this FY, with the balance of \$1.9M used to complete the General Reevaluation Report in FY07.

3. The Corps will continually seek technical assistance and support from the sponsors when such assistance will help to maintain project schedules and will be done consistent with Corps engineering criteria.
4. During the ASA's visit last week, Madam Chairman inquired of the Corps whether there were Corps programs that could help guide or otherwise assist regional development watershed plans. The Corps would like to know more about the type of assistance the sponsors are seeking so we may respond to this request.
5. The Corps would like to know if the flood protection plan to be endorsed by the Working Group will become the Locally Preferred Plan.
6. The Corps greatly appreciates the hospitality and interest shown to the Assistant Secretary of the Army and the Sacramento District Engineer last week. The broad representation of elected officials that met with Mr. Woodley reflects the widespread interest and common goals of your regional community.