

MINUTES

PROGRAM REVIEW COMMITTEE (PRC)

JULY 11, 2007

ATTENDEES

Varouj Abkian
Lor Badillo
Al Bazzi
Rod Davis
Keith Hanks
Tim Haug

George Hontiveros
Wayne Lawson
Brent Lorscheider
Ed Lozon
Traci Minamide
Ehsan Mohtashemi

Lisa Mowery
Augustine Nnuro
Josh Pang
Ali Poosti
Ken Redd
Chris Repp

Mike Sarullo
Somsak Sasnakul
Harshad Shah
Mark Starr
George Stofila
Robert Tanowitz

Jerry Yan
Siamak Zahir

1. **REVIEW AND APPROVAL OF THE JUNE 13, 2007, MEETING MINUTES**
The minutes were approved as submitted.

2. **STORMWATER PROGRAM: NONE**

3. **SOLID RESOURCES PROGRAM: NONE**

4. **FINANCIAL UPDATES / GENERAL DISCUSSION ITEMS**

4A. **WASTEWATER PLANNED VS. ACTUAL EXPENDITURES**

Lisa Mowery of FMD presented an update to the Wastewater Program Capital Expenditures as of June 30, 2007. The cumulative actual expenditures through May were \$176.28M, compared to the revised planned expenditures of \$206.44, a completion rate of 85% for the year.

4B. **LCIS REHAB JEFFERSON RODEO MONTHLY UPDATE**

Somsak Sasnakul of WCCD presented a monthly update on the LCIS sewer rehabilitation. At the June 11, 2007 Board of Public Works meeting, a board report was adopted to authorize the project budget not to exceed \$13.5M. He also provided a list of emergency projects awarded to Emergency On-Call Contractors for fiscal year 2006-07.

Action Item: At the next PRC meeting WCCD will provide the history of emergency projects awarded to Emergency On-Call Contractors for the life of the current contracts, summarized by contractor.

5. SYSTEM-WIDE

PROJECT CHANGE

5A. HAZARD CREEK & WETLANDS RESTORATION SEP (FMD #619/CR)

Requested Approval: Budget

Item	Current Request	Previous PRC	WCIP
Date	July 11, 2007	Sept. 13, 2006	Sept. 14, 2006
Budget Amt	\$750K	\$750K	\$750K
Est Amt (Class)	\$750K (C)	\$750K (O)	\$750K (O)
Const Funding	09/10 – 10/11	08/09 – 10/11	08/09 – 10/11

Settlement Agreement Data

This project is part of the Settlement Agreement, listed in Appendix C as a Supplemental Environmental Project (SEP), with a suggested funding commitment of \$750K.

Justification for Project

This project was undertaken in connection with the settlement of two Clean Water Act enforcement actions, Santa Monica Baykeeper v. City of Los Angeles and United States and State of California ex Rel. California Regional Water Quality Control Board, Los Angeles Region v. City of Los Angeles.

Renee Ellis of the Architectural Division and Donna Chen of WPD submitted a request for budget approval in the amount of \$750K.

This budget will be able to restore approximately 400 linear feet of the streambed. The project will intercept the stormwater before it enters the creek, remove the non-native vegetation so that the creek can flow more naturally, re-grade the banks and creek bed to increase bank stability and restore the wetland, and therefore improve water quality by capturing and treating stormwater through restoration of natural wetland function. This project will directly benefit and provide recreation opportunities for the Lincoln Heights area, which is a low income, minority area.

This project has not yet been approved by Recreation and Parks, who will maintain this facility. However, BOS management has authorized the PRC approval process to proceed concurrently with the development of MOA between the bureau and R&P.

UPRS indicates that this project's pre-design phase is 14% complete.

PRC Action: Approved without presentation as a consent item.

5B. GREEN ACRES CERP (FMD #625/EM)

Requested Approval: Budget

Item	Current Request	Previous PRC	WCIP
Date	July 11, 2007	July 12, 2006	Oct. 26, 2006
Budget Amt	\$55K	\$55K	\$55K
Est Amt (Class)	\$55K (C)	\$55K (C)	\$55K (C)
Const Funding	07/08	06/07	06/07

Justification for Project

When the farm was leased, the responsibility of repairs and maintenance was with the lessee during which most maintenance needs were ignored. Since the City took control of the farm, some of the pumps and engines have been repaired but much of the equipment still needs to be replaced or extensively overhauled, which is beyond the scope of our farming budget.

Mark Starr of HTP submitted a request for budget approval in the amount of \$55K.

PRC Action: Approved without presentation as a consent item.

6. PUMPING PLANT

PROJECT CHANGE

6A. VENICE PP DUAL FORCE MAIN (FMD #236/LB)

Requested Approval: Budget, Scope, & Schedule

Item	Current Request	Previous PRC	WCIP
Date	July 11, 2007	May 12, 2004	Nov.6, 2006
Budget Amt	\$66.065M	\$32M	\$36M
Est Amt (Class)	\$66.065M (C)	\$32M (O)	\$36M (C)
Delta Amount (%)	-	+34.065M (+106%)	+30.065M(+84%)
Const Funding	08/09 – 11/12	06/07 – 07/08	09/10 – 11/12

Settlement Agreement Data

This project does not have a settlement agreement date.

Explanation of Budget Change

The budget changes are due to adding a right-of-way cost of \$750K and applying contingencies and an escalation factor to the previously submitted estimate of \$32M that was presented in 2004 and re-submitted in November 2006 for \$36M. Additional increases in the cost of the project are due to the scope changes, unit prices changes since 2004, net costs of microtunnelling and required shafts, and the addition of 72" casing at a channel crossing.

Explanation of Scope Change

The scope changes for this project include adding required shafts, the micro-tunneling of 54" Ductile Iron Pipe to be performed in three places: from Venice Pumping Plant (VPP) to Via Marina; Via Marina to the channel; and the addition of the Junction Structure from the channel to the Coastal Interceptor Sewer (CIS) instead of applying cut-and-cover of 54" of force main and water-tight shoring.

Josh Pang of WCED presented a request for budget approval in the amount of \$66.065M, which includes \$750K for right-of-way, scope change, and schedule change for this project.

This project provides for the construction of a new 54" Force Main, approximately 10,800 feet, that will span from the existing Venice Pump Plant (VPP) easterly along Hurricane Street, then southerly along Via Marina crossing the Marina Del Rey and Ballona Creek Channels to the NOS/CIS junction structure near the intersection of Vista Del Mar and Waterview street.

UPRS indicates that this project's design phase is 20% complete.

PRC Action: Approved

7. COLLECTION SYSTEM

PROJECT BRIEFING

7A. SEWERS 2 COLISEUM RELIEF SEWER (NEW/EM)

Requested Approval: Project briefing

The existing 12-inch sewer does not have the capacity to prevent an overflow during a USC football game. The construction of a relief sewer using the traditional design/bid/build process would likely cost \$865K and take two years to build. The Council office and Coliseum Commission have requested to have this project completed on an urgent necessity basis.

PRC Action: Approved without presentation as a consent item.

7B. SSRP C09A MANDEVILLE CYN. RD. & WESTRIDGE RD. (FMD #817/LB)

Requested Approval: Budget

Item	Current Request	Previous PRC	WCIP
Date	July 11, 2007	June 14, 2006	Nov. 3, 2006
Budget Amt	\$2.712M	\$5.400M	\$5.400M
Est Amt (Class)	\$2,712,404 (C)	\$5,400,000 (O)	\$5,400,000 (O)
Delta Amount (%)	-	- \$2.69M (-50%)	- \$2.69M (-50%)
Const Funding	07/08-09/10	07/08-08/09	07/08-09/10

Settlement Agreement Data

This project does not have a Settlement Agreement Date. However, it is a rehabilitation project and will count toward the 60-mile-per-year requirement in 08/09 (2.8 miles or 14,724 linear feet).

Explanation of Budget Change

The budget change for this project is due to the rehabilitation of 12,082 feet (82% of the total project) being lined rather than removal and replacement, the removal of 4,238 feet (17%) of difficult access reaches (DARS) from the scope (these reaches are located on private properties and some public facilities), upgrading 3 drop connections, adding 10 new maintenance holes, and raising 3 chimney risers.

Justification for Project

The reaches, which are approximately 50 to 80 years old, will be renewed in accordance with Settlement Agreement guidelines.

Desmond Lew of WCED submitted a request for budget approval in the amount of \$2.712M for this project.

This project will rehabilitate approximately 2.8 miles of sewer in Brentwood/Pacific Palisades. The project's area is bounded by Cordelia Rd. on the north, Rockingham Ave. on the east, Reseda Blvd. on the west, and Napoli Dr. on the south.

UPRS indicates that this project's design phase is 100% complete.

PRC Action: Approved without presentation as a consent item.

7C. SSRP A02A VENICE BL. & GENESEE AVE. (FMD #762/LB)

Requested Approval: Budget

Item	Current Request	Previous PRC	WCIP
Date	July 11, 2007	Dec. 13, 2006	Dec. 14, 2006
Budget Amt	\$2.979M	\$2.178M	\$2.178M
Est Amt (Class)	\$2,979,000 (A)	\$2,178,000 (C)	\$2,178,000 (C)
Delta Amount (%)	-	+\$801K (+27%)	+\$801K (+27%)
Const Funding	07/08-09/10	07/08-09/10	07/08-09/10

Settlement Agreement Data

This project does not have a Settlement Agreement Date. However, it is a rehabilitation project and will count toward the 60-mile-per-year requirement in 08/09 (2.7 miles or 14,377 feet).

Explanation of Budget Change

The budget change for this project is due to 5,342 feet (36% of the total project) being removed and replaced instead of lined, the removal of 397 feet of difficult access reaches (DARS) from the scope (these reaches are located next to a high retaining wall and underneath a tree).

Justification for Project

Sewers in the area are approximately 70 years old.

Richard Pedrozo of WCED submitted a request for budget approval in the amount of \$2.979M for this project.

This project will rehabilitate approximately 2.7 miles of sewer. The project area is bounded by Pico Bl. on the north, Redondo Bl. on the east, Robertson Bl. on the west, and Stocker St. on the south.

UPRS indicates that this project's design phase is 90% complete.

PRC Action: Approved without presentation as a consent item.

8. HTP

NEW PROJECT

8A. HTP COMPUTER ROOM COOLING SYS UPGRADE (FMD #951/CR)

Requested Approval: Work Order

Item	Current Request	WCIP
Budget Amt	\$2M	-
Est Amt (Class)	\$2M (O)	-
Const Funding	08/09 – 09/10	-

Justification for Project

Due to the addition of more servers, the cooling capacity in the computer room is undersized and cannot handle the additional heat load. Sanitation anticipates a future capacity requirement in the magnitude of greater than 5 times the current system capacity.

Ali Poosti of EED presented a request for work order approval in the amount of \$2M for this project.

This project will add capacity to the ventilation system inside the computer server room at Hyperion's Technical Support Facility (TSF). Due to current and future equipment additions and upgrades, which will generate more heat, the ventilation system is now short of the required cooling capacity.

PRC Action: Approved

Action Item: During pre-design EED will explore other viable alternatives, including reducing the scope to keep existing servers at the Media Tech Center and providing less than 100% redundancy.

PROJECT CHANGE

8B. HTP CAPITAL EQUIPMENT REPL PROG (FMD #170/EM)

Requested Approval: Budget

Mark Starr of HTP presented a request for budget approval in the amount of \$2,945,900 for the 07/08 Capital Equipment Replacement Program (CERP) for the following 25 items:

1. Refrigerated Sampler Rplc	\$30,000
2. Bar Screen Climber Assembly/Sluice Gate Rplc	\$200,000
3. Reactor Tilting Weir Actuator for Reactor Train Modules	\$63,000
4. Turbidity Meter Rplc at Clarifier effluent channels	\$30,000
5. Cold Box Overhaul and Improvement	\$250,000
6. Thermal Insulation & Vacuum Jacketed Piping for Cold Box	\$300,000
7. Instrument Air Compressor	\$313,000
8. Cryo Heat Exchanger Refurb and Modifications	\$85,000
9. Oxygen Purity Analyzer Replacement	\$20,000
10. DSF Surveillance Camera Rplc	\$100,000
11. DSF Screw Conveyor Rplc	\$160,000
12. Diverter Gates and Actuators at DSF	\$60,000
13. Silos Live Bottom Feeders at TLF	\$200,000
14. DICE II 600 HP Motors for existing Centrifuges	\$85,000
15. WTF 600 HP Motors for existing Centrifuges	\$85,000
16. Sullair Capacity Control Valve for gas Compressor	\$10,000
17. Digester Feed Flow Meters	\$16,000
18. APC Equipment Replacement Plantwide	\$138,000
19. VFD Replacement Plantwide	\$300,000
20. Intake/Exhaust Fan Rplc Plantwide	\$100,000
21. Sump Pump Replacement Plantwide	\$200,000
22. Battery Replacement (Every 5 yrs)	\$50,000
23. Press Break at SMF	\$70,000
24. Dual Column Bank Saw at SMF	\$42,900
25. Borescope Purchase	<u>\$38,000</u>
TOTAL	\$2,945,900

The WCIP currently contains a \$3,691,782 placeholder for this program in 07/08. These items still need to be confirmed as meeting the capitalization criteria (FMD is awaiting additional information).

PRC Action: Approved

8C. HTP CAPITAL STRUCTURAL REPLACEMENT PROGRAM (FMD #171/EM)

Mark Starr of HTP presented a request for budget approval of \$100K for the 07/08 HTP Capital Structural Replacement Program (CSRP) for the following items:

1. Repair/Replace Vault Covers Plant wide (\$50K)
2. Automatic Gates (\$50K)

The WCIP currently contains \$300K for this program in 07/08.

PRC Action: Approved

8D. HTP CAPITAL UTILITY REPLACEMENT PROGRAM (FMD #172/EM)

Mark Starr of HTP presented a request for budget approval of \$330K for the 07/08 HTP Capital Utility Replacement Program (CURP) for HVAC Replacement Plant wide. The WCIP currently contains \$300K for this program in 07/08.

1. HVAC Replacement Plant wide (\$200K)
2. Industrial Lighting Upgrades (\$80K)
3. Voice Mail System Replacement (\$50K)

PRC Action: Approved

8E. HTP- 1 & 5 MILE OUTFALL ASSESSMENT (FMD #510/CR)

Requested Approval: Budget Approval, Scope Change

Item	Current Request	Previous BPW	WCIP
Date	July 11, 2007	July 13, 2005	Oct. 17, 2005
Budget Amt*	\$1.722M	\$1.515M	\$1.515M
Est Amt (Class)*	\$1,722,456 (Bid + contingency)	\$1.515M (Bid + contingency)	\$1.515M (Bid + contingency)
Delta Amount (%)	-	\$207,456(+14%)	\$207,456(+14%)
Consultant Funding	07/08-07/08	05/06-06/07	05/06-06/07
Contract Vehicle	PQOC list	PQOC list	PQOC list

*These amounts are for the total contract, which includes the TITP Outfall Assessment project.

Explanation of Budget Change

This amendment provides for additional inspection of the Effluent Pumping

Plant (EPP) steel discharge header.

Justification for Project

Based on the earlier assessment, the EPP steel discharge header is experiencing significant corrosion and requires a more thorough inspection.

Richard Mayer of EED submitted a request for budget approval in the amount of \$1.722M for this project.

Task Order Solicitation (TOS) No. 16 was issued to conduct a structural assessment of the HTP 1-Mile and 5-Mile Outfalls, conduct a preliminary inspection of the condition of the EPP steel discharge header and to evaluate the condition of the TITP Outfall diffusers.

The original scope of work is 100% complete.

PRC Action: Approved without presentation as a consent item.

9. LAG

PROJECT CHANGE

9A. LAG GALLERY VENTILATION (FMD #751/RD)

Requested Approval: Work order

Item	Current Request	WCIP
Date	July 11, 2007	Oct. 17, 2006
Budget Amt	\$400K	\$1M
Est Amt (Class)	\$400K(O)	\$1M (O)
Delta Amount (%)	-	-\$600K (-60%)
Const Funding	09/10-10/11	08/09-09/10

Justification for Project

The upgrade of the LAG ventilation system will provide for sufficient air movement within the galleries and for compliance with the National Fire Protection Association (NFPA) 820 requirements, which sets the standards for fire protection in wastewater treatment and collection facilities.

Ali Poosti of EED presented a request for work order approval for this project.

This project will upgrade the gallery ventilation system at the Los Angeles Glendale Water Reclamation Plant (LAG) by replacing two (2) of the existing fans, upgrading the existing air outlets, and by adding a minimum of two (2) air inlets in Gallery #2. The project will also provide for integration with the distributed control system drives.

PRC Action: Approved

Action Items: EED was requested to combine this project with the DCT Gallery Ventilation project as one bid package. However, each project will have a separate work order.

10. TITP

NEW PROJECT

10A. TITP EPP MOTOR REPLACEMENT (FMD #949/JY)

Requested Approval: Work Order

Item	Current Request	WCIP
Budget Amt	\$1.64M	-
Est Amt (Class)	\$1.64M (O)	-
Const Funding	09/10-10/11	-

Justification for Project

Recently, pumps No. 2 and 3 have experienced sparking from the current drives. The existing controllers are at the end of their design life, and are no longer supported by the manufacturer. The pump motors and controllers need to be studied and evaluated.

Al Bazzi of EED submitted a request for work order for this project.

This project will replace two pump motors and the existing current controllers with new Variable Frequency Drives. Pumps No. 2 and 3 were installed in 1975.

PRC Action: Approved without presentation as a consent item.

10B. TITP METAL SHEDS REPLACEMENT (NEW/JY)

This presentation has been postponed.

10C. TITP NEW TRENCH DRAIN SYSTEM (FMD #950/JY)

Requested Approval: Work Order

Item	Current Request	WCIP
Budget Amt	\$369K	-
Est Amt (Class)	\$369K (O)	-
Const Funding	09/10 - 10/11	-

Justification for Project

In the event of a sewage spill at the plant, the new trench drain system would contain the flow within the plant perimeter. The sewage flow would be directed to the in-plant storm drains that recycle flow into the plant processes. Currently, there is no system in place to prevent flow from entering the public right-of-way.

Al Bazzi of EED presented a request for work order approval for this project.

This project will construct three (3) new trench drain systems within the plant to contain sewage overflow. One trench will be located near the front entry gate (Ferry St), another near the southwest gate (Terminal Way), and the final one near the northeast gate (Pilchard St.)

The potential sources of sewage that could flow into the public right-of-way are as follows: the scum pit, which is located near the front gate. If its flow system gets jammed this would result in spills; pumps used for the tertiary filters sometimes experience power outages. The tanks fill up, leaving minimal storage until pumps are manually switched back on, which could result in the tank overflowing; a new drilling project adjacent to the third gate is another potential hazard. A drilling mishap could result in biosolids flowing directly out of the plant.

FMD explored the possibility of SRPCD performing the work. Due to SRPCD's heavy workload, this is not a feasible option at this time.

PRC Action: Approved for work order and use of latest CiSCo.

Action Item: EED to re-evaluate prioritization score of 15.

10D. TITP DIGAS CONDITIONING SYSTEM (NEW/JY)

This presentation has been postponed.

10E. TITP UST- 5 REPLACEMENT & RELOCATION (FMD #776/JY)

Requested Approval: Budget

Item	Current Request	Previous PRC	WCIP
Date	July 11, 2007	Feb. 5, 2006	Sept. 12, 2006
Budget Amt	\$1.1M	\$1.1M	\$1.1M
Est Amt (Class)	\$1.1M (B)	\$1.1M (O)	\$1.1M (O)
Delta Amount (%)	-	-	-
Const Funding	08/09-09/10	07/08-08/09	07/08-08/09

Justification for Project

Despite 30 years of good maintenance, Unit Substation Transformer-5 (UST-5) has reached an age at which its reliability as a backup power source has diminished. In addition, the location of UST-5 leaves it exposed to outdoor weather conditions such as rain and offshore moisture. As a result, corrosion has occurred in critical areas such as the voltage switchgears.

Rick Mayer of EED submitted a request for budget approval in the amount of \$1.1M for this project.

This project will replace and relocate the Unit Substation Transformer-5 to the existing steam generator building. UST-5 currently provides backup power to the TITP solids dewatering facility and sludge pump equipment.

UPRS indicates that this project's design phase is 70% complete.

PRC Action: Approved without presentation as a consent item.

11. DCT

PROJECT CHANGE

11A. DCT GALLERY VENTILATION (FMD #752/RD)

Requested Approval: Work order

Item	Current Request	WCIP
Date	July 11, 2007	Oct. 18, 2006
Budget Amt	\$625K	\$1M
Est Amt (Class)	\$625K(O)	\$1M (O)
Delta Amount (%)	-	-\$375K (-38%)
Const Funding	08/09-09/10	08/09-09/10

Justification for Project

The upgrade of the DCT ventilation system will provide for sufficient air movement within the galleries and for compliance with the National Fire Protection Association (NFPA) 820 requirements, which sets the standards for fire protection in wastewater treatment and collection facilities.

Ali Poosti of EED presented a request for work order approval for this project.

This project will upgrade the gallery ventilation system at the Donald C. Tillman Water Reclamation Plant (DCT) by replacing nine (9) of the existing fans, upgrading the existing air outlets, and by adding a minimum of two (2) air inlets in Gallery #2. The project will also provide for integration with the ABB DCS drives.

PRC Action: Approved

Action Items: EED was requested to combine this project with the LAG Gallery Ventilation project as one bid package. Each project will have a separate work order.

11B. DCT FST VALVE STEM REPLACEMENT (FMD #845/RD)

Requested Approval: Budget

Item	Current Request	Previous PRC	WCIP
Date	July 11, 2007	Nov. 8, 2006	Nov. 2, 2006
Budget Amt	\$540K	\$540K	\$540K
Est Amt (Class)	\$540K(C)	\$540K(O)	\$540K (O)
Delta Amount (%)	-	-	-
Const Funding	08/09	08/09	08/09

Justification for Project

The risers have corroded and need replacing.

Richard Meyer of EED submitted a request for budget approval in the amount of \$540K for this project.

This project consists of the replacement of Phase II butterfly valve stem risers with outer housing that control wastewater flow as it enters the Final Settling Tanks (FSTs) from Channel 4 and the stems on two sluice gates. There are 3 valves in each of the 22 Final Settling Tanks for a total of 66 butterfly valve stems and 2 valve stems for the sluice gates.

UPRS shows this project at the 90% design phase

PRC Action: Approved without presentation as a consent item.

Next PRC Meeting: Wednesday, August 8, 2007 at 1:30 pm
1149 South Broadway, 6th Floor
Conference Room #6024

The deadline for the approved PRC forms and approved Submittals for the August PRC meeting is: Wednesday, July 25, 2007.