



**CITY OF PACIFIC GROVE**  
300 Forest Avenue, Pacific Grove, California 93950

**AGENDA REPORT**

**TO:** HONORABLE MAYOR AND MEMBERS OF CITY COUNCIL

**FROM:** Public Works Director/City Engineer Stephen J. Leiker

**MEETING DATE:** November 15, 2006

**SUBJECT:** SEWER SYSTEM UPDATE; CAPITAL IMPROVEMENT & MAINTENANCE

**RECOMMENDATION:**  
Receive report.

**DISCUSSION:**

Per the Consent Decree between the City and the Ecological Rights Foundation, (signed March 2004) the city is obligated to expend a specified amount of money each year to a cap of \$1,000,000.00, from 2004 through Fiscal Year End (FYE) 2014. The obligated amount for this year is \$600,000.00. These dollars are to be spent on capital improvement projects. These projects include new sewer line placements, spot repairs, and manhole rehabilitation.

These are a few of the highlights for the calendar year 2006:

- There have been only 5 sanitary sewer overflows with total spill less 380 gallons.
- All sewer lines have been video taped. The review and grading of the sewer lines is ongoing.
- 54,000 feet or 10 miles of sewer lines were cleared of roots and foamed for root control.
- A pump station Master plan has been prepared and reviewed by the Ecological Rights Foundation.
- Manhole Inspections are ongoing and will be completed by the required date of April 7, 2007.
- The Computerized Maintenance Management System provided by ICOMMM fully functional for the City and city staff has been trained in its operations.

**FISCAL IMPACT:**  
None.

**ATTACHMENTS:**

- Semi Annual Consent Decree Compliance Report
- Excerpt from Sewer System Capital Improvement Program spreadsheet

RESPECTFULLY SUBMITTED:

Stephen J. Leiker  
PUBLIC WORKS DIRECTOR/CITY ENGINEER

REVIEWED BY:

*James J. Colangelo*

Digitally signed: I have reviewed this document

James J. Colangelo  
CITY MANAGER

Priority Rank	Project Type/Name	Street Name	U/S MH #	D/S MH #	Quantity, feet	Est. Cost, 2005 \$	Priority	Source	Proposed CIP FY	Comments	FY Total	Capital Funds Avail. (no bond)	CD CIP Minimum
	<b>City of Pacific Grove</b>												
	<b>Collection System Capital Improvement Program</b>												
	<b>UPDATE-11/6/2006</b>												
1	FY 05/06 Spot Repairs	NA	NA	NA	NA	390,000	NA	NA	2005/06	Work completed			
2	Force Main Condition Assessment	NA	NA	NA	NA	42,000	High	SSAMP	2005/06	Completion scheduled for March 2006			
3	Pump Station Master Plan	NA	NA	NA	NA	78,000	High	SSAMP	2005/06	Completion scheduled for June 2006			
4	CCTV Condition Assessment, Phase 3	NA	NA	NA	NA	15,000	High	CD	2005/06	Work before 6/30/2006			
5	FY 06/07 Design - Capacity Projects & new sewer	NA	NA	NA	1,095	41,739	High	NA	2005/06	Estimate			
6	FY 06/07 Design - Rehabilitation Projects	NA	NA	NA	1,677	25,000	High	NA	2005/06	Allowance until CCTV review completed			
7	FY 06/07 Prepare Spot Repair contract	NA	NA	NA	NA	5,000	High	NA	2005/06	Estimate	596,739	586,000	550,000
8	CCTV Condition Assessment, Phase 3	NA	NA	NA	NA	75,000	High	CD	2005/06	COMPLETED			
9	Review CCTV Condition Assessment data	NA	NA	NA	NA	30,000	High	CD	2005/06	ONGOING			
10	FY 07/08 Design - Capacity Projects	NA	NA	NA	584	83,005	High	NA	2006/07	DONE			
11	FY 07/08 Design - Rehabilitation Projects	NA	NA	NA	NA	6,600	High	NA	2006/07	DONE			
12	FY 07/08 Prepare Spot Repair contract	NA	NA	NA	NA	5,000	High	NA	2006/07	DONE			
13	<del>Increase Capacity</del>	<del>Ocean View Blvd</del>	<del>1018</del>	<del>P1015</del>	<del>28</del>	<del>0</del>	<del>High</del>	<del>SSAMP</del>	<del>2006/07</del>	<del>12 inch, 483% existing PWWF COMPLETED</del>			
14	<del>Increase Capacity</del>	<del>Ocean View Blvd</del>	<del>991</del>	<del>P1020</del>	<del>18</del>	<del>0</del>	<del>High</del>	<del>SSAMP</del>	<del>2006/07</del>	<del>18 inch, 257% existing PWWF COMPLETED</del>			
15	MANHOLE REHABILITATION	Crocker Ave	814	813	449	92,494	High	SSAMP	2007/08	166% existing PWWF			
16	REHAB	Willow btwn LH	419	418	375	22,000	High	SSAMP	2006/07	Condition Grade F -			
17	REPAIR	3rd St @ LH	1176	1175	150	5,500	High	SSAMP	2006/07	Condition Grade F - Video not reviewed/assume 1 spot repair			
18	REPAIR	3rd St @ Laurel	1175	1175	109	5,500	High	SSAMP	2006/07	Condition Grade F - Video not reviewed/assume 1 spot repair			
19	REPAIR	3rd St. btwn LH&C	174	172	372	5,500	High	SSAMP	2006/07	Condition Grade F - Video not reviewed/assume 1 spot repair			
20	REPAIR	15th Street	285	284	342	5,500	High	SSAMP	2006/07	Condition Grade F - correct with 1 spot repair			
21	REPAIR	Lighthouse Ave/6th	153	152	205	5,500	High	SSAMP	2006/07	Condition Grade F - 68 feet CCTV inspected/assume 1 spot repair			
22	REPAIR	3rd btwn LH/Lau	1152	152	216	11,000	High	SSAMP	2006/07	Condition Grade F - 6 feet CCTV inspected/assume 2 spot repairs			
23	REPAIR	Mermald Ave	176	1176	250	11,000	High	SSAMP	2006/07	Condition Grade F - Video not reviewed/assume 2 spot repairs			
24	REPAIR	13th Street	1751	750	318	5,500	High	CCTV	2006/07	Condition Grade F - correct with 1 spot repair			
25	DONE	Railroad Way	234	233	355	0	High	CCTV	2006/07	Repaired 2005/06			
26	REHAB	NA	891	890	283	22,000	High	CCTV	2006/07	Condition Grade F			
27	SPOT REPAIRS -	NA	NA	NA	20	75,000	High	CCTV	2006/07	REF: MH# 712/469/214/295/821/931			
28	Purchase spare pumps (Eardley & Ninth)	NA	NA	NA	NA	25,000	High	PSMP	2006/07	Mitigate capacity issues			
29	NEW SEWER LINE	15th Street	248	285	600	117,400	High	City Staff	2006/07	New sewer need to serve existing residents	608,499	600,000	600,000
30	FY 08/09 Design - Capacity Projects	NA	NA	NA	NA	78,600	High	NA	2007/08	Estimate			
31	FY 08/09 Design - Rehabilitation Projects	NA	NA	NA	NA	0	High	NA	2007/08	None anticipated			
32	FY 08/09 Prepare Spot Repair contract	NA	NA	NA	NA	0	High	NA	2007/08	None anticipated			
33	Pump Station #12 (Ninth Street)	NA	NA	NA	NA	425,000	High	SSAMP	2007/08	Allowance to construct new wet well, upgrade capacity, provide access to generator for			
34	Increase Capacity	Ocean View Blvd	131	991	135	24,165	High	SSAMP	2007/08	6 inch, 257% existing PWWF			
35	Spot Repairs	N/A	N/A	N/A	N/A	25,000	High	CCTV	2007/08	Allowance			
36	Force Main Rehab/Repl	NA	NA	NA	N/A	25,000	High	FMCA	2007/08	Allowance (Force Main Condition Assessment Findings)			

37	Pump Stations- Spare Pumps	NA	NA	NA	NA	NA	20,000	High	SSAMP	2007/08	Purchase spare pumps	665,069	650,000	650,000
38	Increase Capacity	Magellia Rd	508	507	376	376	47,304	High	SSAMP	Future	8 inch, 211% existing PWWF			
39	FY 09/10 Design - Capacity Projects	NA	NA	NA	NA	NA	60,000	High	NA	2008/09	Allowance			
40	FY 09/10 Design - Rehabilitation Projects	NA	NA	NA	NA	NA	15,000	High	NA	2008/09	Allowance			
41	FY 09/10 Prepare Spot Repair contract	NA	NA	NA	NA	NA	5,000	High	NA	2008/09	Allowance			
42	Pump Station #14 (Lover's Point)	NA	NA	NA	NA	NA	55,000	High	PSMP	2008/09	Relocate and rehabilitate generator			
43	Pump Station #11 (Eardley)	NA	NA	NA	NA	NA	600,000	High	PSMP	2008/09	Construct new PS, upgrade capacity, install generator	715,000	700,000	700,000
<b>Future Projects (Listed by type of project)</b>														
<b>Capacity</b>														
	Increase Capacity	Easement, 17	503	502	453	453	94,224	High	SSAMP	Future	8 inch, 183% existing PWWF			
	Increase Capacity	Easement, 17	505	503	342	342	71,136	High	SSAMP	Future	8 inch 172% existing PWWF			
	Increase Capacity	Easement, 17	502	501	551	551	114,608	Medium	SSAMP	Future	8 inch, 146% existing PWWF			
	Increase Capacity	Easement, 17	506	505	179	179	37,232	Medium	SSAMP	Future	8 inch 144% existing PWWF			
	Increase Capacity	17 Mile Drive	507	679	348	348	72,384	Medium	SSAMP	Future	8 inch, 142% existing PWWF			
	Increase Capacity	17 Mile Drive	679	506	281	281	58,448	Medium	SSAMP	Future	8 inch, 136% existing PWWF			
	Increase Capacity	Ocean View Blvd	139	131	203	203	42,224	Medium	SSAMP	Future	6 inch, 136% existing PWWF			
	Increase Capacity	Lighthouse Ave	424	416	172	172	35,776	Medium	SSAMP	Future	6 inch, 127% existing PWWF			
	Increase Capacity	Lighthouse Ave	416	410	166	166	34,528	Medium	SSAMP	Future	6 inch, 121% existing PWWF			
	Increase Capacity	Lighthouse Ave	430	424	172	172	35,776	Medium	SSAMP	Future	6 inch, 110% existing PWWF			
	Increase Capacity	Crocker Ave	819	818	251	251	52,208	Low	SSAMP	Future	15 inch, 125% future PWWF			
	Increase Capacity	Crocker Ave &	803	802	433	433	90,064	Low	SSAMP	Future	15 inch, 116% future PWWF			
	Increase Capacity	Ocean View Blvd	165	150	162	162	33,696	Low	SSAMP	Future	6 inch, 114% future PWWF			
	Increase Capacity	Ocean View Blvd	1025	P1024	36	36	7,488	Low	SSAMP	Future	15 inch, 112% future PWWF - Mapping correction renamed line segment - capacity in vicinity needs to be verified			
	Increase Capacity	Ocean View Blvd	1015	986	174	174	36,192	Low	SSAMP	Future	12 inch, 108% future PWWF			
	Increase Capacity	Ocean View Blvd	303	1016	193	193	40,144	Low	SSAMP	Future	12 inch, 101% future PWWF			
	Increase Capacity	Ocean View Blvd	1016	1015	38	38	7,904	Low	SSAMP	Future	12 inch, 100% future PWWF			
	<b>Rehab/Replace</b>													
	Line Rehab/Repl	Lighthouse Ave	141	140	229	229	47,632	Medium	SSAMP	Future	Condition Grade D			
	Line Rehab/Repl	Laurel Ave	216	215	367	367	76,336	Medium	SSAMP	Future	Condition Grade D			
	Line Rehab/Repl	Pine Ave	164	163	374	374	77,792	Medium	SSAMP	Future	Condition Grade D			
	Line Rehab/Repl	Laurel Ave	142	141A	235	235	48,880	Medium	SSAMP	Future	Condition Grade D			
	Line Rehab/Repl	8th St	133	133	128	128	26,624	Medium	SSAMP	Future	Condition Grade D			
	Line Rehab/Repl	Laurel Ave	310	308	587	587	122,096	Medium	SSAMP	Future	Condition Grade D (3 line segments)			
	Line Rehab/Repl	Junipero Ave	357	356	354	354	73,632	Medium	SSAMP	Future	Condition Grade D			
	Line Rehab/Repl	Walnut St	446	445	341	341	70,928	Medium	SSAMP	Future	Condition Grade D			
	Line Rehab/Repl	Pine Ave	427	426	375	375	78,000	Medium	SSAMP	Future	Condition Grade D			
	Line Rehab/Repl	Lighthouse Ave	239	237	282	282	58,656	Medium	SSAMP	Future	Condition Grade D			
	Line Rehab/Repl	Laurel Ave	418	417	343	343	71,344	Medium	SSAMP	Future	Condition Grade D			
	<b>Pump Station</b>													
	Pump Station #15.5 (Crespi Pond)	NA	NA	NA	LS	LS	55,000	ND	PSMP	Future	Place holder			
	Pump Station #16 (Arena)	NA	NA	NA	LS	LS	55,000	ND	PSMP	Future	Convert generator to diesel fuel			
	Pump Station #17 (Beachcomber)	NA	NA	NA	LS	LS	15,000	ND	PSMP	Future	Place holder			
	Pump Station #18 (Russell Service Center)	NA	NA	NA	LS	LS	108,200	ND	PSMP	Future	Redirect flows to PS # 17 (400 feet 8 inch gravity sewer), abandon PS			
	<b>Future Projects Total</b>						2,631,456							



## CITY OF PACIFIC GROVE

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### Semi Annual Consent Decree Compliance Report

November 1, 2006 SUMMARY

The City of Pacific Grove (City) is providing this report in compliance with An Amendment to The Consent Decree on Case No. C03-2612 PVT dated April 4, 2006. This report is based on day to day records kept during the course of business by city staff. It is meant to update and assure interested parties that the City is in compliance with the Consent Decree and Amendment to the Consent Decree.

The detail below is developed from information on hand and summarized as follows:

1. **Capital Improvement Plan and construction activity planned for Fiscal Year End (FYE) 2007:**
  - a. The Capital Improvement Plan (Plan) was provided to the Ecological Rights Foundation (ERF) in April of 2006. The plan was prepared by the City's consultant, Mr. John Larson. Subsequently, engineer's estimates were prepared. The initial figures provided by Mr. Larson were low. However, two of the projects on the list, items 13 and 14 were accomplished through the City's Urban Diversion Runoff Program, phase I and II. Phase I accomplished item 13 and Phase II to be completed in December of 2006, will accomplish item 14. The expenditures saved total approximately \$42,000.00, allowing the City to project the ability to accomplish the spot repairs and rehabilitation projects for FYE 2007, as noted in the Capital Improvement Program.
  - b. For clarification, item 15 on the Plan is not a rehabilitation project for 449 feet of pipe but rather a two manhole rehabilitation project.
  - c. The spot repair, rehabilitation projects (two), new sewer line plans and bid specifications have been completed. In addition, the city council has authorized staff to "go to bid". City staff is completing its final review of the specifications and will go to bid in approximately 2 weeks to one month ( Nov. 15 to Dec. 1).
2. **Sewer Lateral Replacement program:** As reported on July 26, 2006 the sewer lateral replacement fund was subsidized with \$80,000.00 for FYE 2007. The loan program is managed by the Community Development Department, Housing Division. \$10,228.61 has been spent to date for two sewer replacement lines and there are currently nine applications are in process.
3. **Pump Stations Master Plan:** The Pump Station Master plan was completed within the timeframe of the consent decree and delivered to ERF on August 1, 2006. The first course of action to be taken is to purchase spare pumps for pump stations identified as Pump Stations 11 and 12. In addition Pump Station 12 will be the first station to receive a rehabilitation in FYE 08/FYE09.

4. **CCTV Field Work:** To date all of the lines in the city have been video taped with the exception of three lines connected to the City's corporation yard and the Pebble Beach Company's Links at Spanish Bay. These three lines will be done in November of 2006.
  - a. The review of the film has not been completed. John Larson Consulting is performing the review and will provide a report on these videos.
    - i. The reports are very thorough and include, pictures, grading, a worksheet and prioritization.
  - b. The work was performed by National Plant Services and Greenline.
5. **Manhole Inspections:** As discussed earlier this year in the joint conference call with the City and ERF, we will complete the manhole inspections on time (April 30, 2007). We have them regularly scheduled within each work week.
6. **Root clearance and foaming:** FYE07: To date we have cleared and foamed 53, 571 feet (10 miles) of lines in spots identified as problem areas (easements and heavily rooted lines).
7. **Database:** As reported earlier, the City has a computerized Maintenance Management System. The inventory of the Collection System and affiliated structures in a GIS database. ICOMM of Pleasanton, CA is our data host and software provider for our asset management program. There is a dedicated computer system to this project and the sewer maintenance staff has been trained in its operation.
  - a. We continue to make improvements and add to the program such as entering the manhole inspection information as taken in the field. Per the grades assigned to the manhole we then set a schedule for future inspections based on conditions.
  - b. Overflows are plotted.
  - c. Sewer line cleaning is tracked and calendared.
  - d. Repairs and replacements are plotted.
  - e. Condition assessment data from the videotaping is maintained. Subsequently condition grades are assigned and calendared.
8. **Overflows:** On May 2, 2006, the State Water Resources Control Board (SWRCB) adopted a General Waste Discharge Requirement (WDR) for all publicly owned sanitary sewer collection systems in California with more than 1 mile of sewer pipe. The goal of the WDR is to provide a consistent statewide approach for reducing Sanitary Sewer Overflows (SSOs). In the event the consent decree is more stringent, it will prevail. The WDR requires that:
  - a. In the event of an SSO, all feasible steps are taken to control the released volume and prevent untreated wastewater from entering storm drains, creeks, etc.
  - b. If an SSO occurs, it must be reported to the SWRCB using an online reporting system developed the SWRCB. (Note: All spills greater than 1000 gallons still must be reported to the Office of Emergency Services, as is currently required.)
  - c. All publicly owned collection system agencies with more than 1 mile of sewer pipe in the State develop must develop a Sewer System Management Plan (SSMP). The WDR specifies mandatory elements that must be included in the SSMP. The SSMP must be made publicly available.
  - d. To date for the calendar year 2006:
    - i. 5 Sanitary Sewer Overflows
    - ii. Total gallons 380
    - iii. 1 call required the Monterey County Health Dept.
    - iv. None of the overflows went into the bay/ocean or waterways that feed into the bay/ocean.

This report was prepared by Celia Perez Martinez, Public Works Supervisor/Project Manager for the Pacific Grove, CA Sewer System Asset Management Plan

