



Wastewater Collection System

City of Los
Angeles' Settlement
with EPA, RWQCB
and Santa Monica
BayKeeper

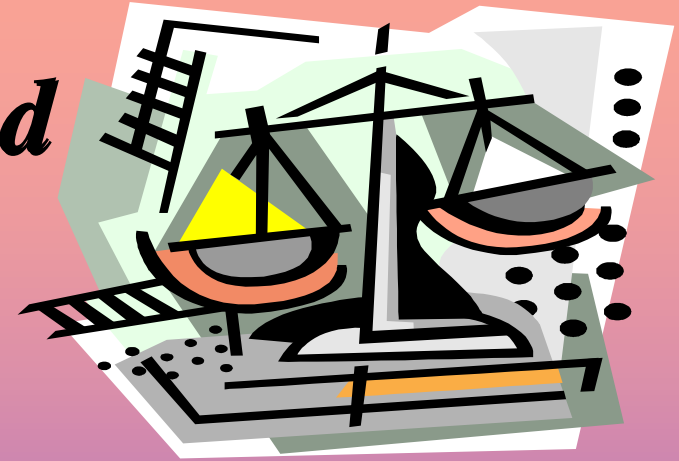
City of Los Angeles

January 2005

Department of Public Works



Lawsuit Background

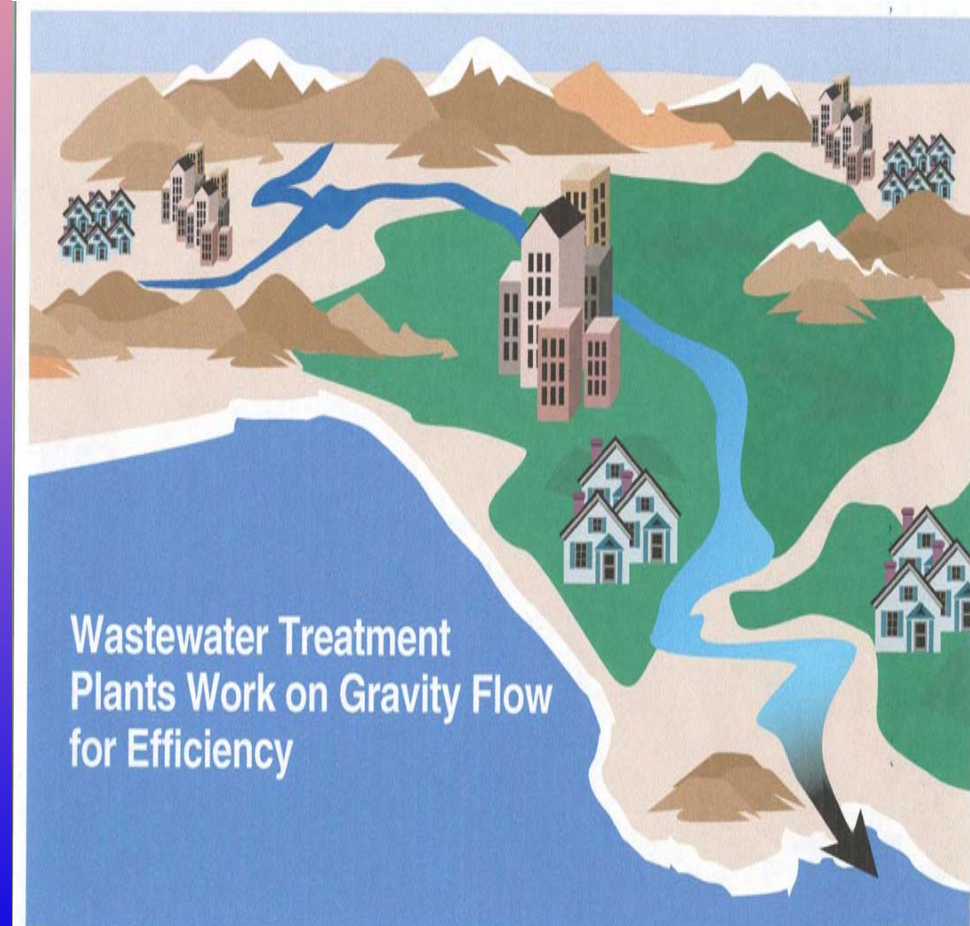
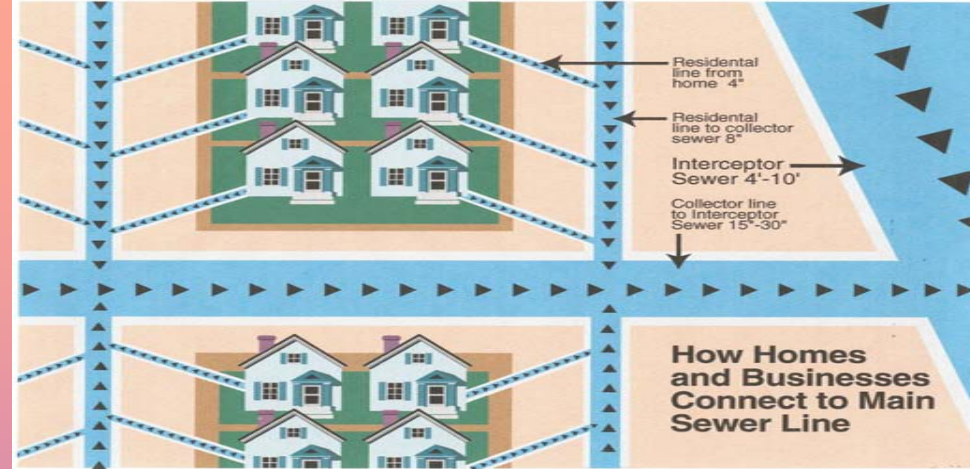


- As a result of 1998 El Nino Storms and sewer overflows
- Filed in 1998 by Santa Monica Baykeepers.
- Joined in 2001 by US EPA, RWQCB and Citizen groups from South LA
- \$550 Million demanded.
- Trial was set for April 2004



Issues

- Wet weather flow overflows
- Dry weather flow overflows
- Sewer odors
- Aging Infrastructure

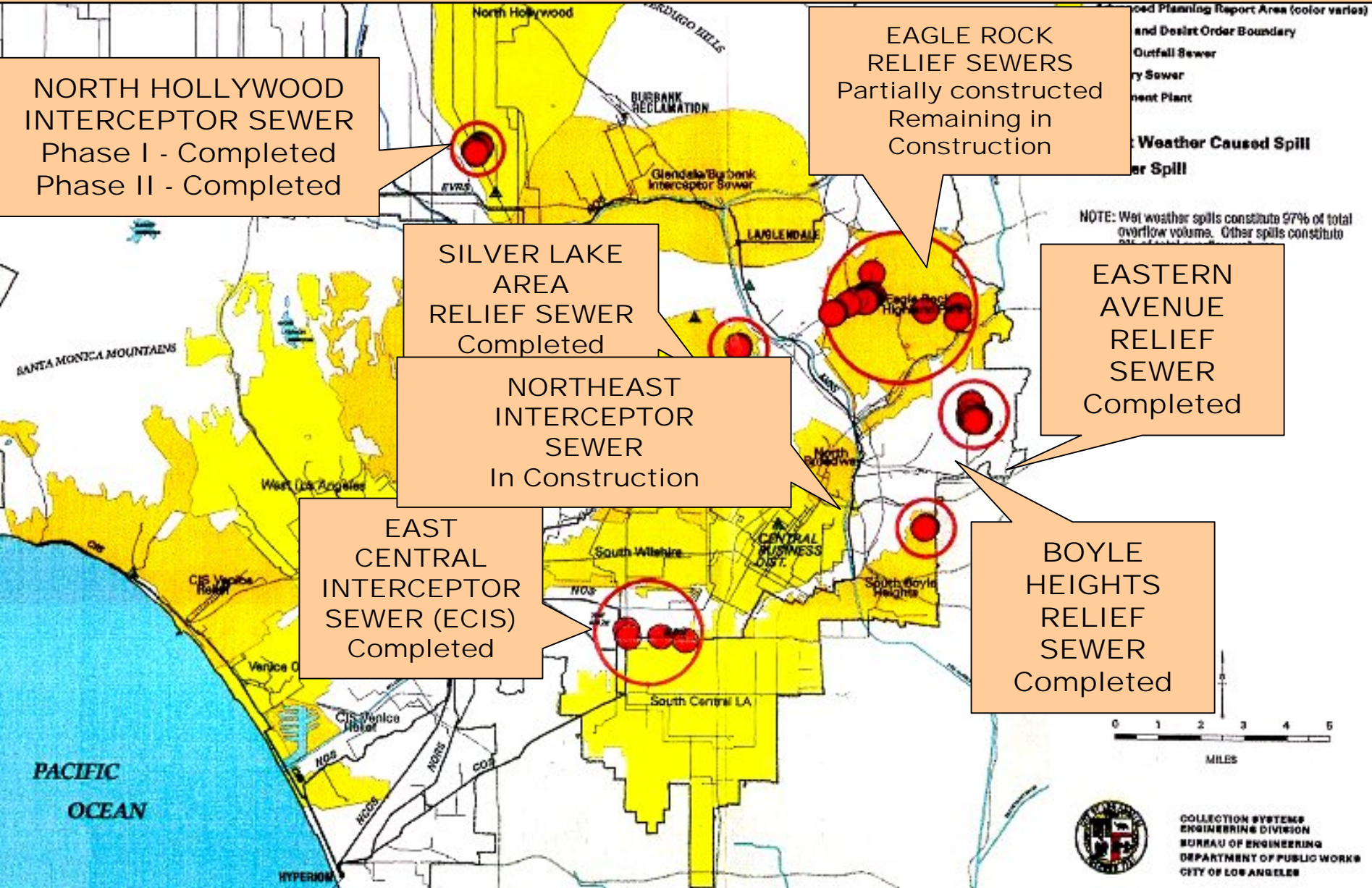


Wet Weather Overflows



With the construction of new relief sewers, overflows caused by rain will be addressed.

ALL WET WEATHER SPILLS HAVE BEEN ADDRESSED BY THE NEW SEWERS



Dry Weather Flow Overflows



With the aggressive sewers maintenance, cleaning, source control & outreach, overflows caused by blockages have consistently declined.

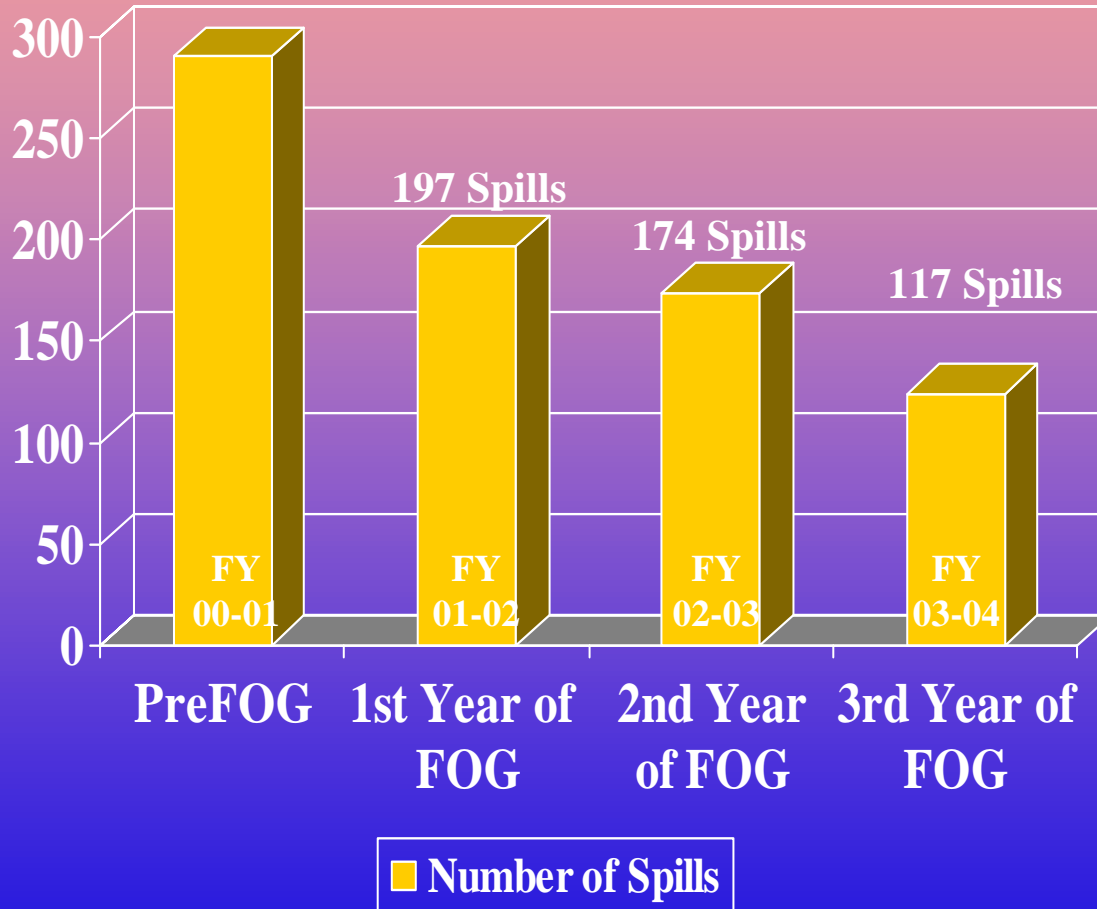


FOG Program Results

Exceeded 50% reduction at the end of FY 2003/04



290 Spills

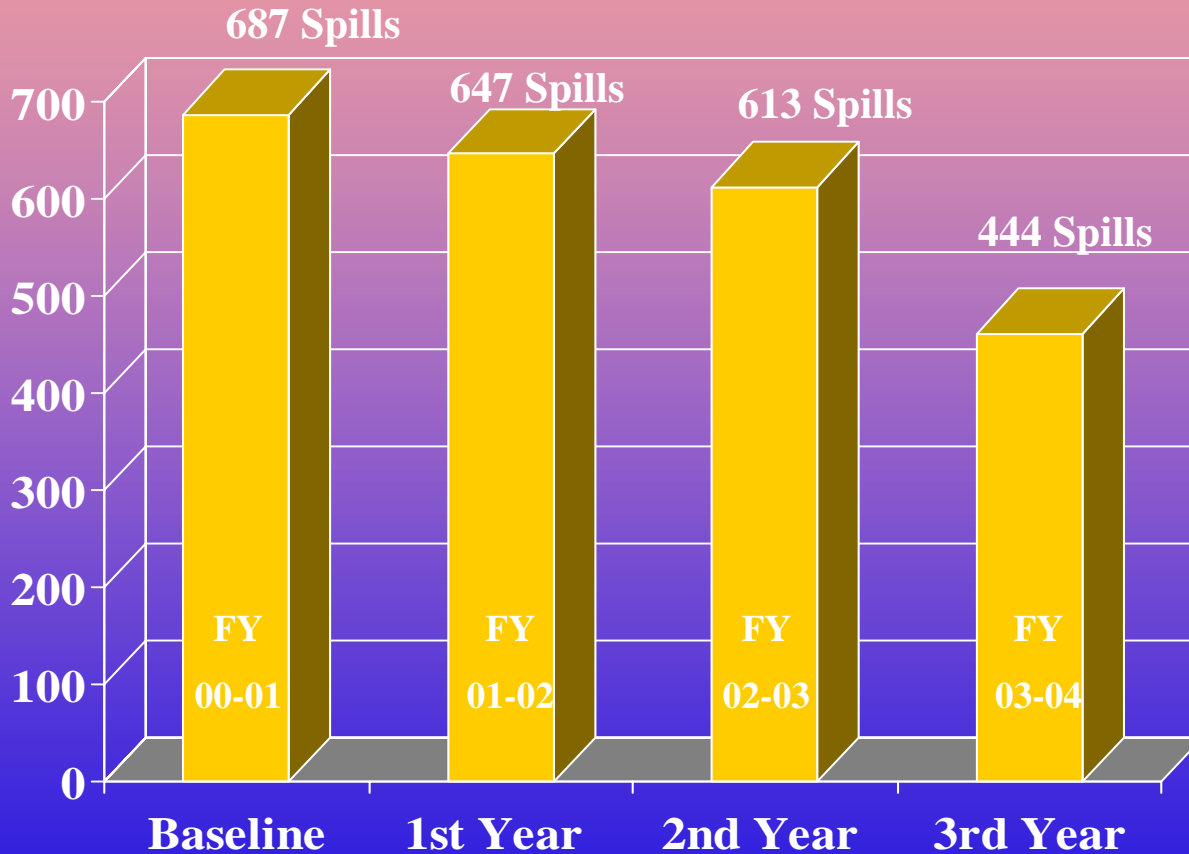


**>50 %
Reduction**



All Spills

Exceeded 30% reduction at the end of FY 2003/04



**>30 %
Reduction**

Number of Spills

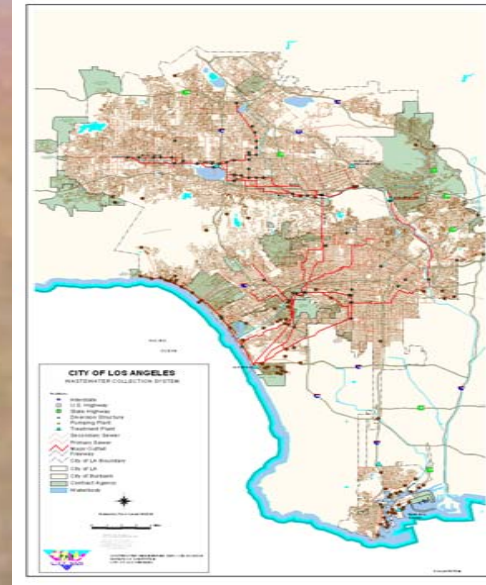
odor reporting **HOTLINE**

To report sewer odors call

Toll-free 24-hour hotline:

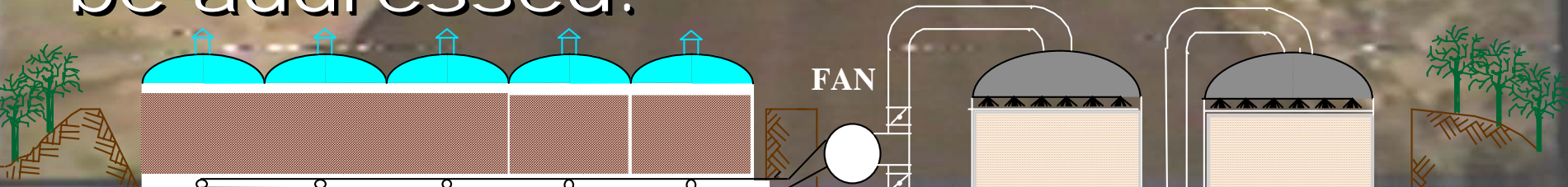
1-866-44SEWER 1-866-447-3937

or go to www.lasewers.org



Sewer Odors

With the completion of the 7 Odor Control Facilities, sewer odors will be addressed.





Aging Infrastructure

*Invest over \$2 Billion in system
upgrades.*



Settlement Agreement Terms

- **Built on City's planned program.**
- **Eliminated open-ended commitments that would saddle the City with potentially ballooning costs.**
- **Eliminated any reference to a spill-reduction standard or an automatic penalty-per-spill provision with automatic program adjustments.**
- **Prevented additional trial & litigation costs.**

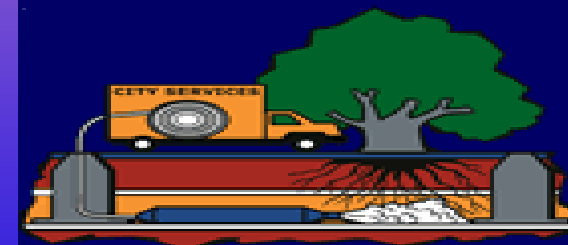


Settlement Agreement Terms

Program Enhancements and Requirements

Sewer Maintenance

- Clean 60,000 pipes annually (~2,600 miles).
- Clean a three year average of 65,000 pipes per year (~2,800 miles).
- Minimum cleaning of 52,000 pipes per year.
- Allow for banking & credit for extra cleaning as long as you don't go below minimum.
- Focus on hotspots and adjust frequency of cleaning.
- Apply chemicals for roots control to a minimum of 150 miles per year.
- Evaluation of effectiveness of chemical application, cost effectiveness and impact to water quality.



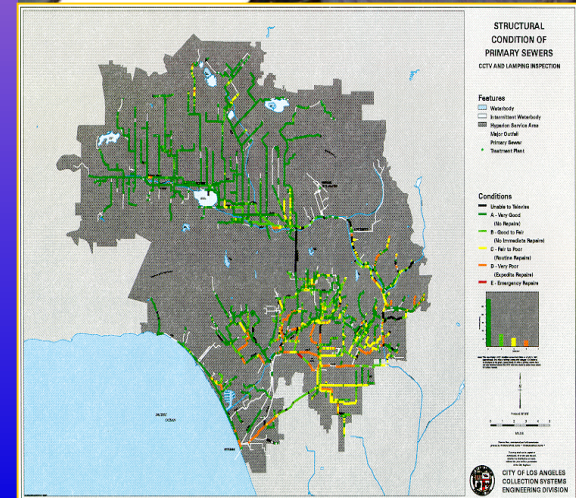


Settlement Agreement Terms

Program Enhancements and Requirements

Sewer Condition Assessment

- CCTV and assess 600 miles annually.
- Focus on sewers not previously inspected or were inspected 5 years before entry (First-time assessment).
- Allow for banking & credit for extra CCTV work. Banking will be for first time assessment only.





Settlement Agreement Terms

Program Enhancements and Requirements

Sewer Rehabilitation & Replacement

- Complete list of projects for 1st three years.
- Prepare a Rehabilitation Plan that sets the needed rehabilitation per year.
- From year 4-10, rehabilitate 50 miles per year and a three year average of 60 miles per year or as recommended in Rehabilitation Plan.
- Rehabilitation should focus on “Targeted Sewers” with high risk of SSOs.
- Allow for banking & credit for extra rehabilitation.



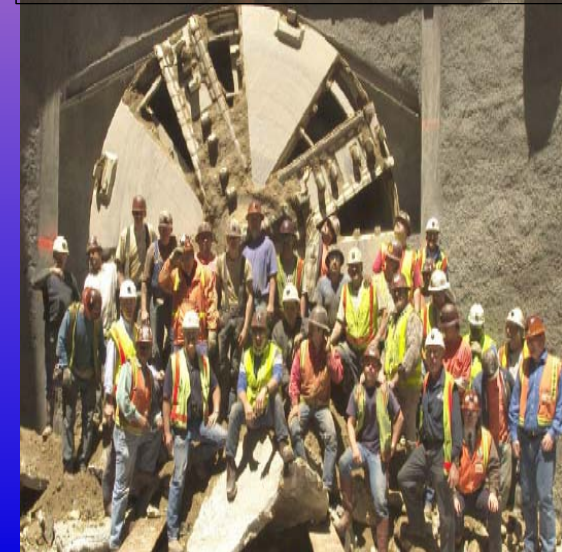
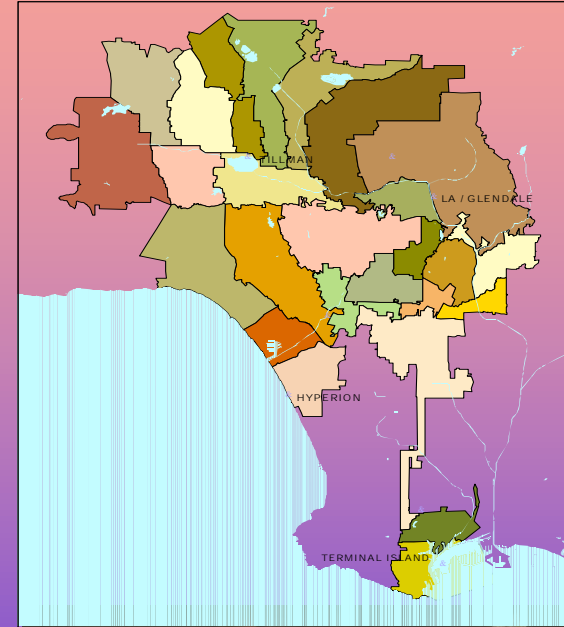


Settlement Agreement Terms

Program Enhancements and Requirements

Capacity Assurance

- Modify design standard to account for high I/I areas.
- Complete list of relief projects for 1st three years.
- Prepare a Capacity Report & Plan including:
 - Additional sewers needed
 - Review of trigger flow level
 - Flow monitoring program assessment
- Complete master planning for all 25 Master planning areas (primary sewers).
- Complete master planning for 100 high priority basins (secondary sewers).
- Complete wet weather calibration of MOUSE model and expand model to include all primary sewers.
- Submit City Integrated Resource Plan (Citywide facilities plan)



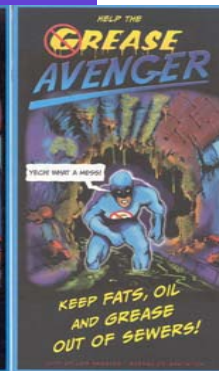
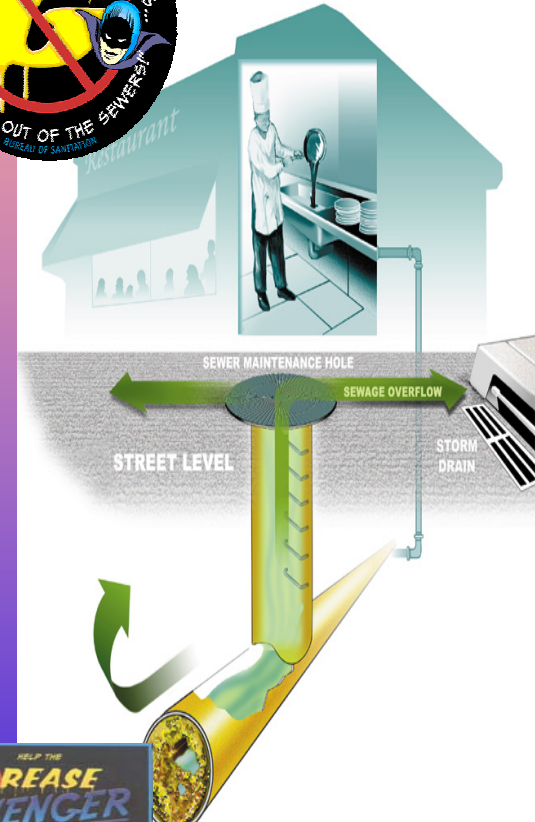


Settlement Agreement Terms

Program Enhancements and Requirements

FOG Control

- Inspect all permitted FSE (minimum is 95%)
- Conduct review of FOG Control program with focus on
 - Waiver
 - Follow-up referrals for FOG SSOs
 - Enforcement response to FOG caused SSO
 - Inspection & maintenance procedure and design standards for Grease Removal Devices
 - Sampling & analysis of O&G at FSE
 - Targeted residential outreach
 - Inspection forms





Settlement Agreement Terms

Program Enhancements and Requirements

Sewer Odor Control

- Continue to operate hotline and work with Odor Advisory Board.
- Develop outreach plan to advertise hotline Citywide. Include community feedback system.
- Revise odor complaint response form to include information about weather condition.
- Commit to quick response to complaints (initial call after 1 week and follow-up call after 30 days).
- Commit to schedule of constructing the 7 odor control facilities.
- Complete Odor Control Master Plan
- Provide reports on performance and complaints.

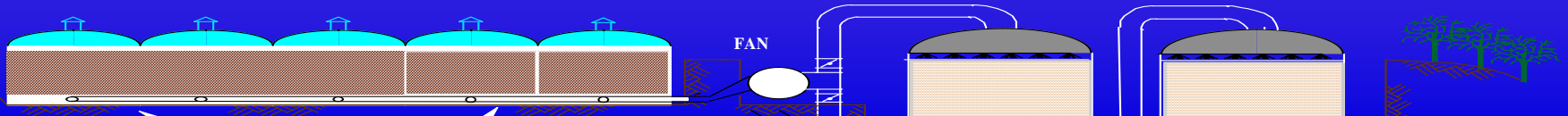
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Settlement Agreement Terms

SEPs



**\$8.5 Million in Supplemental
Environmental Projects**



Settlement Agreement Terms

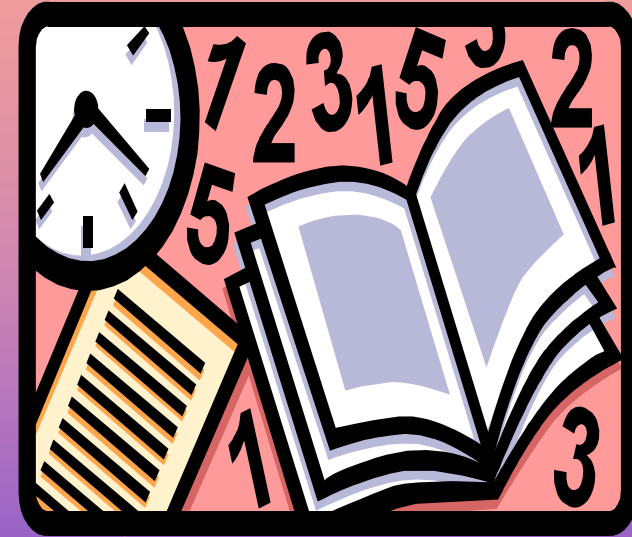
Program Enhancements and Requirements

Reporting

- Quarterly report for SSOs.
- Quarterly Report for Odor.
- Annual Compliance Report.

Stipulated Penalties

- No automatic stipulated penalties for spills
- Stipulated penalties apply when failure to meet requirement.





Wastewater Collection System Settlement Agreement

Questions?

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