Malibu Civic Center
Stakeholders Meeting

July 25, 2013
Malibu City Hall
8:30 a.m.
Meeting Agenda

- Regional Water Quality Control Board
- Community Facilities District (CFD)
- Assessment District (AD)
- Wastewater Facility Design
- Questions/Comments
- Next Meeting August 29, 2013
- Adjourn
April 17, 2013: met with Dr. Eric Wu of the RWQCB (Groundwater and Permitting Unit)

Discussed:
- Project milestones
- EIR
- CDP requirements
- Monitoring well and locations
- Test injection
- Pump testing of aquifer
- US EPA requirements
- Department of Public Health review
- Permits
Regional Water Quality Control Board

- Submitted all information for permit application to allow injection testing of the Civic Center Aquifer with potable water.
  - Board has assured that permit will be ready for scheduled aquifer testing in June.
  - **June 20, 2013:** RWQCB issued City injection testing permit.

- **June 19, 2013:** Staff again met with Dr. Eric Wu of the RWQCB (Groundwater and Permitting Unit)

- Discussed:
  - ATS Permit.
  - Status of the city’s regulatory obligations (CDP, CEQA, EIR).
  - WDR Permit limits and requirements.
  - Water balance and expanded recycle water use.
Regional Water Quality Control Board

- Injection of Recycled Water Program Description.
- Malibu Valley Groundwater Basin
- Malibu Creek Nutrient TMDL.
- Local Agency Management Plan.

On June 25, 2013 staff sent to the RWQCB the second quarter project progress report.
Regional Water Quality Control Board

- **July 17, 2013:** staff met with Dr. Eric Wu and Dr. Don Tsai of the RWQCB (Groundwater and Permitting Unit)
- **Discussed:**
  - Status of the city’s regulatory obligations (CDP, CEQA, EIR).
  - WDR Permit limits and requirements.
  - Water balance and expanded recycle water use.
  - Recycled water reuse
  - California Department of Public Health Requirements
    - Reverse Osmosis
  - TMDLs
Community Facilities District (CFD)

- Bond sale closed in February 2013 ✓
- City received funds in February 2013 ✓
- No other updates
Assessment District (AD)

- RFP is currently out to obtain an Assessment Engineering Consultant
- RFP is due August 1, 2013
- Should have Assessment Engineer onboard in August 2013
Wastewater Facility Design

- Groundwater Injection Study
  - Phase 1 – cursory modeling and scoping
  - Phase 2 – preliminary feasibility assessment
  - Phase 3 – monitoring & injection well construction, testing, analysis, modeling, & injection well pre-design

- Environmental Impact Report (EIR)
- Final Design/Construction Document
Wastewater Facility Design-Planning Entitlements

DRAFT - FOR DISCUSSION PURPOSES ONLY

1st

LCPA - CCWTF
All phases

CC Initiation
(6/24/13)

2nd – concurrent steps

PC hearing / recommendation

CC hearing / adoption

Submit for CCC certification

CC hearing / CCC modifications

CCC ex dir reports/certification

CDP – CCWTF
Phase 1

Submittal
("Summer 2013")

Conformance Review

ERB (CDP and DEIR)

PC hearing
(FEIR, CDP, code amendments)

CC hearing
(FEIR certification, CDP approval, code amendments)

City NOFA to CCC

EIR – Phase 1 & 2
(project-level), Phase 3
(programmatic)

NOP / scoping meeting
("Summer 2013")
(30 day review)

Admin DEIR

DEIR
(45 day review)

PC receives DEIR comments
(during 45 day review)

CCC Appeal of CDP

Appeal period – 10 working days after receipt of NOFA

Substantial issue hearing (within 49 calendar days)

If no substantial issue: City decision on CDP is final

If substantial issue: New CCC hearing; CCC action voids City CDP
Project Schedule

Phase 3 Field Program

• Pre-field Work (March – May 2013)
  - Solicit and execute consultant and contractor agreements ✔
  - Select monitoring well locations and secure access ✔
  - Obtain drilling permits ✔
  - Obtain RWQCB testing permit ✔

• Monitoring well construction, development and testing (April – August 2013)
  - Install wells (April 22 to May 20) ✔
  - Develop wells (May) ✔
  - Test wells (Began July 1 RWQCB permit obtained) Ongoing
  - Analyze collected data
  - Prepare well reports
Project Schedule

Monitoring Wells

- Super Care Drugs - 2 wells installed ✔
- Civic Center Way - 1 well installed ✔
- Animal Hospital - 1 well installed ✔
- Malibu Road - 2 wells installed ✔
- Malibu Colony - 2 wells installed ✔
- State Park land - 1 well installed ✔
Project Schedule

Monitoring Wells

- Super Care Drugs (23661 PCH) - 2 wells installed
Project Schedule

Monitoring Wells

- Civic Center Way - 1 well installed
Project Schedule

Monitoring Wells

- Animal Hospital (23431 PCH) - 1 well installed
Project Schedule

Monitoring Wells

- Malibu Road - 2 wells being installed
Project Schedule

Phase 3 Field Program

- Well Injection Testing (June – August 2013)
  - MW 01  (permit obtained)  July 1 began
  - MW 02  (permit obtained)  August 1 commence
  - MW 03  (permit obtained)  September 1 commence

- Initial results are positive

- Modeling Work  JULY  (September - December 2013)
  - Updating model
  - Recalibration
  - Run scenarios
  - Perform sensitivity analysis
  - Prepare model report

- Begin injection well design  (December 2013)
Phase III Field Program (Malibu Colony)

1. Drilling and Well Construction
   - Location of new wells
Phase III Field Program (Malibu Colony)

Location of new wells
Project Schedule

Environmental Impact Report (EIR)

� Prepare and circulate NOP  (March – August 2013)
  • Initiated biological, geological and cultural survey of treatment plant site
  • Revised project description for use in EIR and Coastal development permit
  • Discussed coordination between EIR and Coastal Development permit
  • Analyze wastewater flow projections

� Prepare and circulate Draft EIR  (March 2013– January 2014)

� Prepare Final EIR  (January – April 2014)
Final design and construction documents  (April – June 2014)

- Completed on-shore and near-shore geophysics survey to estimate location of freshwater/seawater interface. Interface was found to be offshore, confirming that the lower aquifer flows to the ocean and is not blocked by a geologic feature. ✓

- Technical review with independent treatment process experts to confirm treatment process, configuration, sizing, and planned operations. ✓  (Ongoing Work)

- Perform a wetlands delineation report for Winter Canyon Wastewater Treatment Site. (Ongoing Work)
Project Schedule

- **Treatment Plant Design (Ongoing Work)**
  - Process configuration
  - Site plan utilization
  - Analyze existing electrical system in area
  - Electrical & Instrumentation design for process equipment
  - Trenchless pipeline construction to reduce disruption/costs

- **Collection System Design (Ongoing Work)**
  - Pump station locations
  - Pump station sizing
  - Pipe alignments
  - Pipe sizing
  - Pipe crossing conflicts (Civic Center Way box culvert)
  - User Tie-in locations
Injection Well Testing
Shoreline Geophysical Survey
Questions / Comments
Next meeting August 29, 2013
Thank you