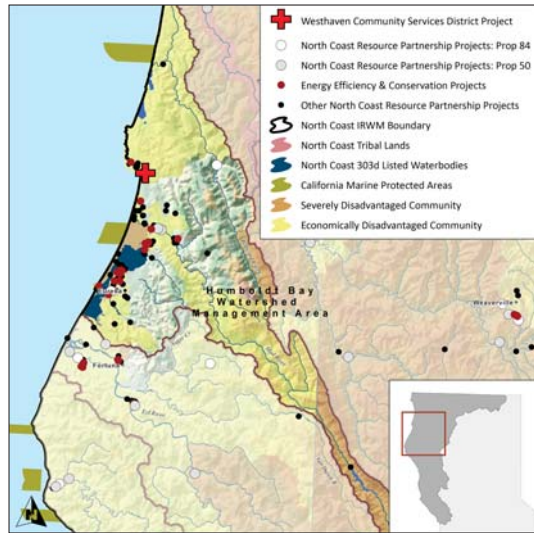


Westhaven Community Services District Water Loss Reduction Project

WESTHAVEN COMMUNITY SERVICES DISTRICT



COMPLETION DATE

December 6, 2016

STATEMENT OF THE PROBLEM

Westhaven's water mains are more than 45 years old, have experienced repeated and extensive leaks, and contributed to an average system loss of about 31% of total water production in 2013 and 2014. These losses have caused serious concern about water supply reliability during periods of drought or other emergencies.

PROJECT GOALS

- Reduce water system loss and system vulnerability to drought conditions
- Improve fire protection capacity
- Increase customer base by connecting additional households

THE SOLUTION

This project will install new water mains, shut-off valves, and fire hydrants to reduce water losses and increase water supply reliability to a point where the existing 2006 moratorium on new customers is lifted. The customers targeted for hook-ups when capacity is expanded have been previously identified as having inadequate or contaminated well water

PROJECT BUDGET

IRWM funds:	\$ 493,500
Leveraged funds:	\$ 115,000
TOTAL	\$ 608,500

BENEFITS

Economic benefits

- An estimated \$7,524 per year in increased water supply reliability
- Approximately \$30,096 in sales to new customers yearly
- About \$18,635 every five years in avoided costs of fire

Water Supply

- Increased water supply reliability

Cultural benefits

- Enhanced fire-fighting capabilities

Jobs and Local Economic Benefits

- This project costs \$608,500, which will be spent locally using local supplies and labor when possible
- About 3 jobs were created/ maintained through project implementation

NEXT STEPS

The Westhaven CSD will continue to upgrade infrastructure and seek to enhance capacity to ensure water supply reliability and climate change adaptability for the community of Westhaven.

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