

El Segundo's Major Heat Pump Water Heater Overhaul

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Project Summary

In 2023, SoCalREN identified eight potential sites for heat pump water heater upgrades and presented them to energy champion Jorge Prado, the Facilities Maintenance Supervisor for the City of El Segundo. The South Bay Cities Council of Governments (SBCCOG) played a crucial role in informing the City about the offering and driving the project forward. Though limited City staff availability prevented an in-person scope meeting until November 30th, the project was completed in record time, finishing installation before the end of the same year! While waiting for the meeting, SoCalREN procured contractor quotes and confirmed unit incentive eligibility. Jorge secured the buy-in from the City team to schedule and complete installations at an expedited pace. The project was a significant success, saving the City \$158,000, thanks to Jorge's determination and the support of the SoCalREN team and enhanced heat pump water heater incentive offering.

“ The City has long recognized energy efficiency as a high priority but achieving savings has been challenging with limited financial resources. SoCalREN has helped us meet that need by providing financial support, securing incentives and rebates, providing access to qualified construction professionals, and helped promote the success of the City's projects to ensure stakeholder buy-in. ”

- Jorge Prado, City of El Segundo's Facilities Maintenance Supervisor



Before and after photos of one of the water heater replacements at City Yard.

Project Overview



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Capital funding used

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100%
Costs covered by SoCalREN!



\$158,000+
SoCalREN incentives awarded



6 months
From project identification to implementation



90,343
Lifetime therm savings



87 cars
Taken off the road
lifetime kWh savings greenhouse gas equivalency

Table 1: Water heater sizing details

Facility	Existing Gas Water Heater	Heat Pump Water Heater Replacement
City Hall IT/Mech Room	30 gallon	50 gallon
City Yard	99 gallon	80 gallon, 80 gallon
Club House	75 gallon	80 gallon
Fire Station 1	98 gallon, 40 gallon	120 gallon, 50 gallon
Teen Center	30 gallon	50 gallon
Water Department	40 gallon	50 gallon