



CITY OF
HAYWARD
HEART OF THE BAY

Renewable Energy Generation at City Facilities

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Renewable Energy Systems

Date Installed	Description	Size of System	Total Cost	Rebates/ Incentives	Financing	% of Demand	Annual Cost Savings
1982	Cogeneration at WPCF	750kW				40%	\$396,400
2010	Solar PV at WPCF	1 MW	\$5,500,000	\$2.6 million	CEC Loan/Sewer Ent. Fund	20%	\$190,400
2014	Proposed Cogeneration at WPCF	1,137 kW	\$11,500,000	\$2.8 million	Sewer Enterprise Fund	100%	\$300,000
2005	Solar PV at Barnes Court	276 kW	\$1,800,000	\$900,000	General fund	100%	\$57,000
2012	Solar PV at Utilities Building	51 kW	\$327,000	\$32,000	CEC Loan	85%	\$14,800
2012	Solar PV at Corporation Yard	35 kW	\$195,000	\$21,000	CEC Loan	80%	\$9,000
Total		2.5 MW (after new Cogeneration)					\$571K



Renewable Generation

Current Electrical Generation:

10.8 MWh per year

Electrical Generation Needed to be Grid Neutral:

20.8 MWh per year



Potential New Renewable Generation

Identified in Approved Capital Improvement Program:

- Additional solar PV at WPCF (1 MW)
- Solar PV at various water facilities (500 kW)

Funding Not Identified:

- Solar PV on City Hall Parking Structure (connect with new library)
- Solar Hot Water at various facilities
- Solar PV on City Hall
- Solar PV at Executive Airport

