

# Contra Costa County

## Overview of Energy Efficiency Programs

Demian Hardman, Senior Planner  
Department of Conservation & Development



# CAP Energy Efficient Programs

▶ BayREN **BAY AREA** Regional Energy Network

▶ EBEW **EAST BAY energy watch**

▶ Energy Efficiency Financing (PACE) **hero**



# BayREN

## ▶ Single Family

- ▶ Home Upgrade
- ▶ Advanced Home Upgrade

## ▶ Multifamily

- ▶ BAMBE (Bay Area Multifamily Building Enhancement)

## ▶ Codes & Standards

- ▶ Resources to Local Governments on Energy Code



**BAY AREA** Regional Energy Network  
[www.bayren.org](http://www.bayren.org)

# BayREN Single Family Projects 2013-09/16



County	Home Upgrade					Advanced Home Upgrade Assessment Incentive				
	# Reserved (not paid)	\$ Reserved	# Paid	\$ Paid	Total	# Reserved (not paid)	\$ Reserved	# Paid	\$ Paid	Total
<b>Alameda</b>	91	\$209,500.00	540	\$1,231,050.00	\$1,440,550.00	43	\$12,691.90	535	\$150,591.00	\$163,282.90
<b>Contra Costa</b>	286	\$646,350.00	912	\$2,150,650.00	\$2,797,000.00	40	\$12,000.00	393	\$114,853.00	\$126,853.00
<b>Marin</b>	33	\$74,550.00	153	\$333,400.00	\$407,950.00	3	\$900.00	95	\$28,154.00	\$29,054.00
<b>Napa</b>	17	\$36,350.00	126	\$303,400.00	\$339,750.00	0	\$0.00	9	\$2,700.00	\$2,700.00
<b>San Francisco</b>	5	\$9,450.00	19	\$38,200.00	\$47,650.00	27	\$8,100.00	157	\$46,374.00	\$54,474.00
<b>San Mateo</b>	15	\$31,850.00	95	\$211,150.00	\$243,000.00	22	\$6,600.00	145	\$41,389.00	\$47,989.00
<b>Santa Clara</b>	115	\$265,750.00	503	\$1,162,600.00	\$1,428,350.00	26	\$7,800.00	336	\$98,477.50	\$106,277.50
<b>Solano</b>	76	\$188,050.00	537	\$1,319,470.00	\$1,507,520.00	0	\$0.00	18	\$5,399.00	\$5,399.00
<b>Sonoma</b>	117	\$255,100.00	528	\$1,154,300.00	\$1,409,400.00	4	\$1,200.00	83	\$24,775.00	\$25,975.00
<b>TOTAL</b>	<b>755</b>	<b>\$1,716,950.00</b>	<b>3413</b>	<b>\$7,904,220.00</b>	<b>\$9,621,170.00</b>	<b>165</b>	<b>\$49,291.90</b>	<b>1771</b>	<b>\$512,712.50</b>	<b>\$562,004.40</b>

# BayREN Multi-Family Projects 2013 - 9/16



County	In TA, to complete in 2017 or later		Reserved or in Reservation Process		Total Completed 2016		Total Completed 2013-2015	
	Units	Projects	Units	Projects	Units	Projects	Units	Projects
Alameda	2,126	63	998	30	0	0	2,812	51
Contra Costa	1,472	32	878	11	7	1	1,609	15
Marin								
Napa	77	3	146	1	0	0	106	2
San Francisco	1,880	30	1,152	10	40	1	4,024	58
San Mateo	2,262	25	210	11	16	2	2,397	29
Santa Clara	2,088	19	912	17	121	8	4,755	72
Solano	704	7	301	3	0	0	20	1
Sonoma	327	8	245	2	0	0	173	7
<b>Total</b>	<b>10,936</b>	<b>187</b>	<b>4,842</b>	<b>85</b>	<b>184</b>	<b>12</b>	<b>15,896</b>	<b>235</b>

## Commercial Building Energy Efficiency Programs

- ▶ Commercial Building Energy Efficiency Rebates Administered by PG&E Through 3<sup>rd</sup> Parties
- ▶ Covers both Alameda and Contra Costa Counties and Cities
- ▶ Provides Energy Efficiency Resources to Local Governments



EAST BAY  
energy  
watch

## Energy Efficiency Financing (PACE)

- ▶ Property Assessed Clean Energy Financing
  - ▶ Home Energy Renovation Opportunity (HERO)
  - ▶ CaliforniaFirst
    - ▶ \*coming soon

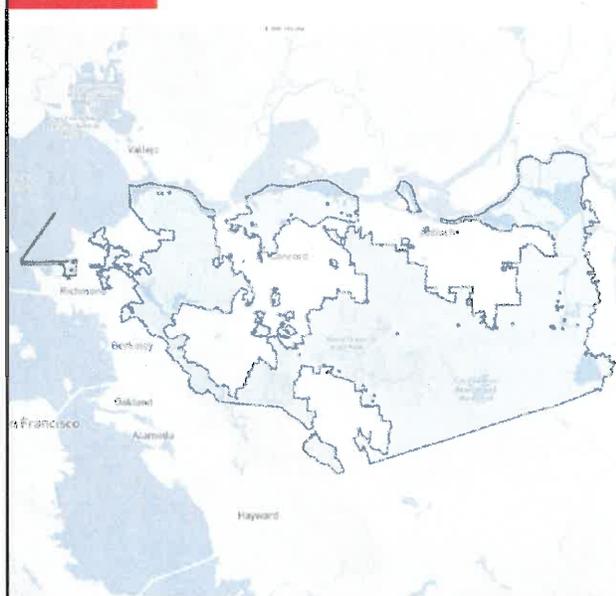


Contra Costa County Unincorporated

50 Homes Improved

06/23/2016 HERO Launch Date  
53,816 Housing Count

06/23/2016 - 10/14/2016 Report Range



Improvements

Type	Total Installed	Bill Savings
Energy	74	\$1.17M
Solar	27	\$1.41M
Water	1	\$6,242

Lifetime Impact

Applications Submitted	199
Applications Approved	151
Funded Amount	\$1.36M
Economic Stimulus	\$2.35M
Jobs Created	12
Energy Saved	13.1M kWh
Emissions Reduced	3,130 tons
Water Saved	935K gal

Learn how these numbers are calculated at <https://www.mapinfo.com/>



County CAP Measures & Achievements

Measure	Performance Metric	2015	2020 GHG Target	Current Reductions To-Date	% Complete To-Date
EE 1 Energy efficient retrofits - residential buildings	Cumulative number of single-family homes receiving energy efficiency retrofits since the beginning of 2015	117 Completed	-2140	-70	3%
	Cumulative number of multifamily units receiving energy efficiency retrofits since the beginning of 2015	8 Under construction			
EE 2 Energy efficient retrofits - nonresidential buildings	Cumulative number of businesses receiving energy efficiency retrofits since the beginning of 2005	Not Available Yet - Working with PG&E	-4630	0	?
EE 3 Energy efficiency and conservation awareness	Total number of households participating in energy conservation awareness activities	732 - Gathering more data - likely to be much higher	-430	-96	22%
	Total number of businesses participating in energy conservation awareness activities	Not Available Yet - Working with PG&E			

