

Bay Area Mult-Unit Upgrade Potential

Metric	Data/ Calculations	Units	Comments
Affordable housing units (MEP sample data)		250 Housing units	Data from an assisted housing project by Strategic Energy Innovations (SEI), EAH Housing, and Marin Community Foundation.
Affordable housing units in the Bay Area		130,000 Housing units	The results of ABAG's 2009 housing survey: 128,150. Restricted units are those that, because they receive financial assistance or are otherwise subject to deed restrictions, have protections that require the units to remain affordable to households at lower income levels.
Electricity Saved (MEP sample data)		47,129 kWh/Year	MEP Property Characteristics Data
Estimated electricity savings per unit		188.5 kWh/Year/Unit	Extrapolated using MEP Property Characteristics Data
kWh to MWh		1,000 kWh/MWh	1 MWh = 1,000 kWh
Potential Bay Area Electricity Savings		24,507 MWh/Year	
Natural Gas (NG) Saved (MEP sample data)		10,671 Therm/Year	MEP Property Characteristics Data
Estimated NG savings per unit		42.7 Therm/Year/Unit	Extrapolated using MEP Property Characteristics Data
Potential Bay Area NG Savings		5,549,176 Therm/Year	
GHG Avoided (MEP sample data)		168,185 lbs of CO2/Year	MEP Property Characteristics Data
Estimated GHG Savings per unit		672.7 lbs of CO2/Year/Unit	Extrapolated using MEP Property Characteristics Data
Potential Bay Area GHG Avoided (in lbs of CO2)		87,456,064 lbs of CO2/Year	
Lbs-to-MtCO2e		2,204.62 lbs/metric tons	
Potential Bay Area GHG Avoided		39,669 MtCO2e/Year	
Total Costs (MEP sample data) w/o rebates	\$	123,051 \$	MEP Property Characteristics Data
Estimated Costs per unit w/o rebates	\$	492 \$/Unit	Extrapolated using MEP Property Characteristics Data
Potential Bay Area Total Costs (w/o rebates)	\$	63,986,499 \$	
Final Costs (MEP sample data) w/rebates	\$	101,303 \$	MEP Property Characteristics Data
Estimated Final Costs per unit w/rebates	\$	405 \$/Unit	Extrapolated using MEP Property Characteristics Data
Potential Bay Area Final Costs (w/rebates)	\$	52,677,690 \$	
Operational Annual Cost Savings (MEP sample data)	\$	21,692 \$/Year	MEP Property Characteristics Data
Estimated Annual Cost Savings per unit	\$	87 \$/year/Unit	Extrapolated using MEP Property Characteristics Data
Potential Bay Area Annual Operational Cost Savings	\$	11,280,049 \$/Year	