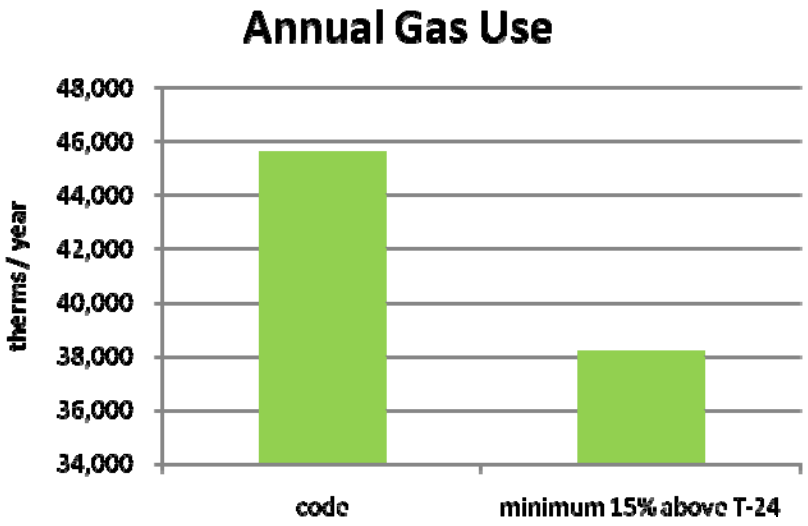
The Riverbrook Multi-Family Project

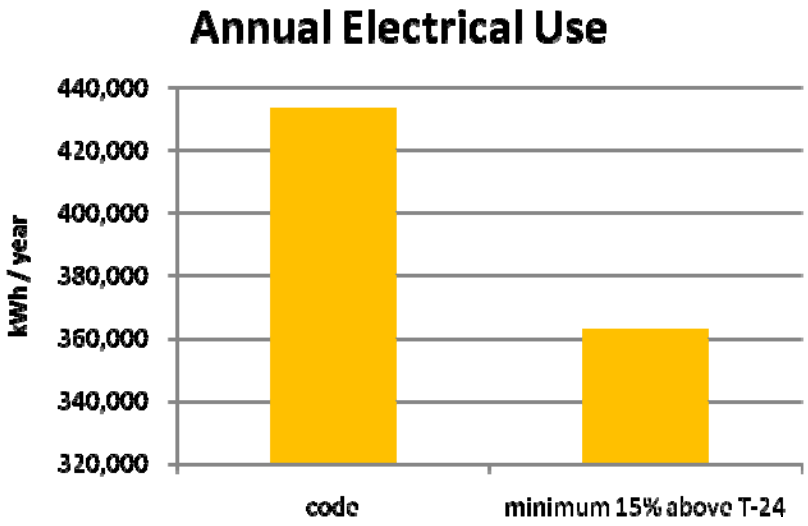
Carbon Emissions and Renewable Systems

Residential Energy Use

Envelope energy modeling of the 165 multi-family units in Riverbook

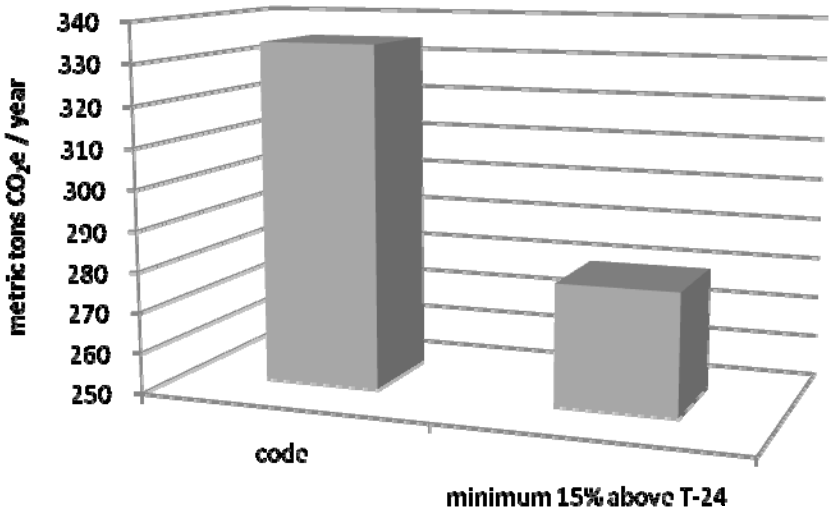


7,436 therms saved annually



70,632 kWh saved annually

Residential GHG Emissions



54.5 metric tons CO_2e saved annually by building Riverbrook residential units 15% above 2005 T-24

54.5 metric tons CO_2e is equivalent to:

Eliminating 136,897 vehicle miles traveled annually
Replacing 1,202 75-watt incandescent bulbs with 25-watt compact fluorescents

Source: Environmental Protection Agency

Residential Green Savings

Building Riverbrook to CA Green Builder specifications would:

Save 165,000 gallons of water per year

high efficiency toilets
parallel hot water piping or hot water recirculation system
landscaping with drought tolerant plants and weather based irrigation

Divert 528 tons of solid waste from landfills

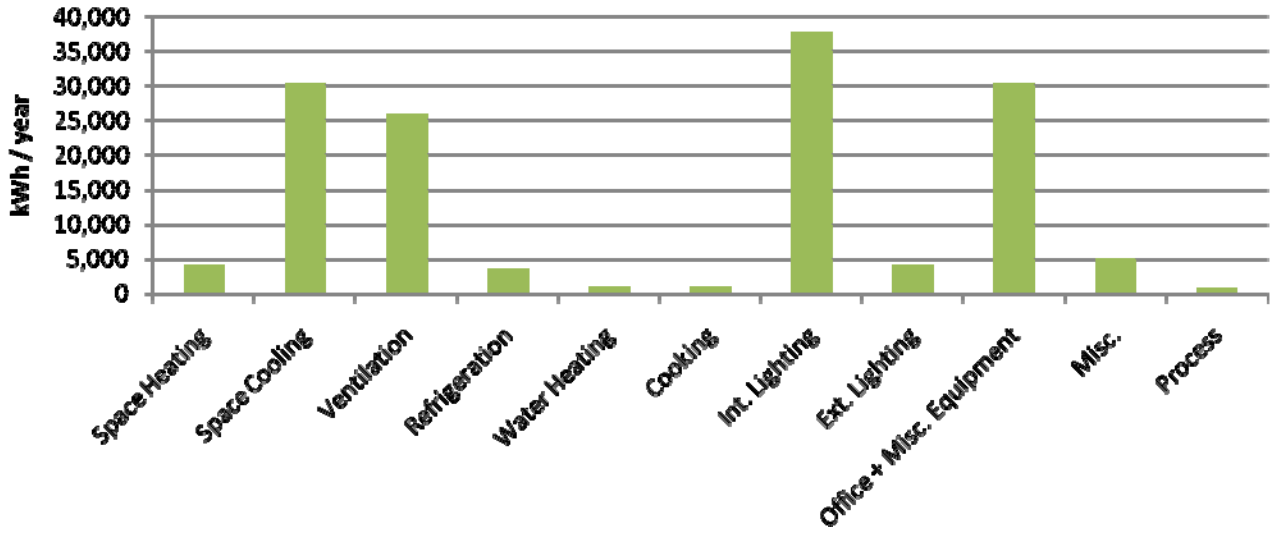
reduce job site waste
comply with state recycling and waste reduction requirements

Save 22 acres of pine or fir trees

engineered wood products from sustainable forests

Community Center Energy Use

Annual electrical energy consumption of the Riverbrook Community Center



Total annual electrical consumption estimated at 144,024 kWh per year

Community Center Energy Use

Break out of electrical use in the Community Center