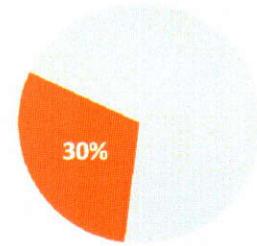


SHASTA REGIONAL CLIMATE ACTION PLAN

ENERGY SECTOR FACTSHEET

Building energy use generates almost a third of total emissions in Shasta County. This sector includes emissions from electricity, natural gas, and propane in residential and non-residential uses.



KEY ENERGY SECTOR CONCEPTS ARE:

- Kilowatts per hour (KwH)
- Therms – for natural gas and propane
- Age of building stock

647,618 MT CO₂e/Year

Total Shasta County Energy Emissions

Energy Sector Baseline 2008 Emissions (MT CO ₂ e/Year)							
Anderson		Redding		Shasta Lake		Unincorporated	
25,113	21%	333,253	32%	82,943	57%	206,309	24%

Total residential kWh per year per jurisdiction



kWh per household per year



Annual electricity cost per household



SHASTA REGIONAL CLIMATE ACTION PLAN

ENERGY SECTOR FACTSHEET

Total residential natural gas per year per jurisdiction (Therms)



Therms of natural gas per household per year



Annual natural gas cost per household



Age of Housing Stock

Year Built	Anderson	Redding	Shasta Lake	Unincorporated
1990 to 2000	13%	23%	13%	16%
1980 to 1990	15%	23%	18%	22%
Prior to 1979	72%	54%	69%	62%

SHASTA REGIONAL CLIMATE ACTION PLAN

ENERGY SECTOR FACTSHEET

EXAMPLES OF EMISSION REDUCTION STRATEGIES – ENERGY

- Renovate and retrofit existing buildings to be more energy efficient
- Promote existing utility incentive programs for voluntary upgrades
- Increase the level of energy efficiency in new construction
- Promote existing appliance (e.g. washer/dryer) rebate programs
- Require installation of energy efficient appliances in new construction
- Encourage planting shade trees around buildings
- Promote use of solar photovoltaic systems and solar hot water systems
- Replace streetlights and parking lot lights with higher energy efficiency models
- Replace incandescent traffic signals with LED traffic lights