

# Home Heating and Cooling

In 2014, power consumption in Nevada homes was 2.7 GW, of which 1.3 GW came from electricity and 1.2 GW came from natural gas.

Data for Nevada, Arizona and New Mexico combined show that fifteen percent of household energy consumption is used for space heating and twenty-five percent is used for space cooling, seventeen percent is used for water heating.

We assume that forty percent of Nevada's residential energy consumption is for space heating and cooling.

All levels assume that Nevada's population grows at one point five percent per year.

## ***Level 1***

Power consumption increases at the same rate as population growth with same ratio of gas and electricity as in 2014.

## ***Level 2***

Same as Level 1 but with an increased efficiency in energy use of five percent.

## ***Level 3***

Electrify home heating and cooling entirely resulting in 1.7 GW of power consumption in 2050.

## ***Level 4***

Same as level 3 but with twenty percent energy savings resulting in 1.43 GW of power consumption in 2050.

