

Industry Growth

Nevada's industry sector includes sectors such as; aerospace, mining, health care, information technology and agriculture. Note that tourism and gaming's energy use fall under transport and the commercial sector.

In 2014, industry was responsible for about 25% of total Nevada primary energy demand amounting to 6 GW. The industrial sector uses 30% of Nevada's electricity.

The industrial sector's future energy use is determined by two factors: industry growth and energy intensity.

We assume that industry growth results in an energy demand increase of 1.5% a year. Energy intensity tells you how much energy you require to produce a given amount of product. The industry growth results in more demand but improved energy intensity lowers demand for a given amount of industrial output.

Level 1

We start with primary energy usage of 5.7 GW and grow by 1.5%/year

Level 2

We assume that there is a 10% reduction in energy intensity by 2050.

Level 3

We assume that there is a 20% reduction in energy intensity by 2050

Level 4

We assume that there is a 40% reduction in energy intensity by 2050



Tesla's battery factory being built near Sparks, Nevada.

