

# Imported Electricity (from renewables)

Low carbon electricity can be imported from other states as well as being produced in Nevada.

States such as Wyoming have a much larger wind energy resource than Nevada, so it makes more sense to import wind energy from Wyoming than to build more extensive wind farms in Nevada.

To bring wind energy from Wyoming to Nevada requires transmission lines. A 730 mile long high voltage line from Wyoming to Nevada is being designed for just this purpose. As planned it will transmit up to 3 GW of electrical power.

## Level 1

Level 1 assumes that we keep electricity imports at their present level of 0.15 GWe.

## Level 2

Level 2 assumes that in 2050 Nevada doubles imports to 0.3GW of electricity.

## Level 3

Level 3 assumes that in 2050 Nevada imports increase to 0.6 GW of electricity.

## Level 4

Level 4 assumes that in 2050 Nevada imports 1 GW of electricity. Assuming 5W/m<sup>2</sup> this would imply a wind farm area of 200 square km. The figure is 10% of anticipated energy end use in Nevada by 2050.

