

100% NICARAGUA

Transition to 100% wind, water, and solar (WWS) for all purposes
(electricity, transportation, heating/cooling, industry)



Residential rooftop solar
23.7%



Solar plant
26.9%



Concentrated solar plant
5%



Onshore wind
10%



Offshore wind
2%

2050

PROJECTED ENERGY MIX



Commercial/govt rooftop solar
10%



Wave energy
1%



Geothermal energy
18.4%



Hydroelectric
2.4%



Tidal turbine
0.6%



40-Year Jobs Created

Number of jobs where a person is employed for 40 consecutive years

Operation jobs:



4,080

Construction jobs:



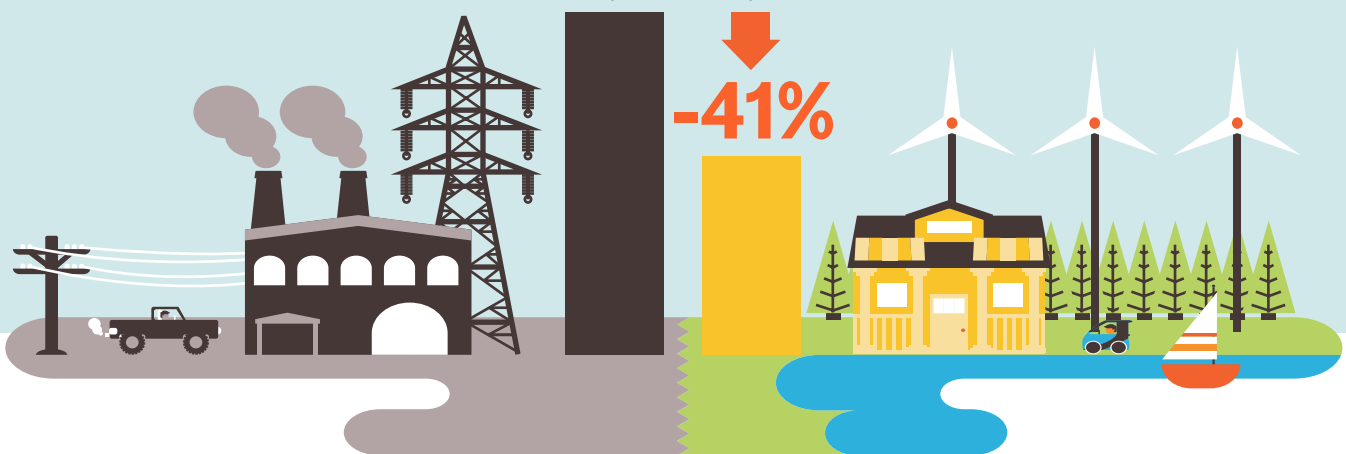
6,060

= 1,000

Using WWS electricity for everything, instead of burning fuel, and improving energy efficiency means you need much less energy.

2050 Demand with BAU

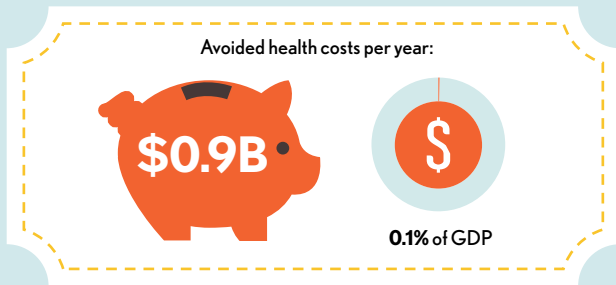
2050 Wind, Water, Solar



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Avoided Mortality and Illness Costs



Air pollution deaths avoided every year: **159**



Plan pays for itself in as little as **2.4** years from air pollution and climate cost savings alone.

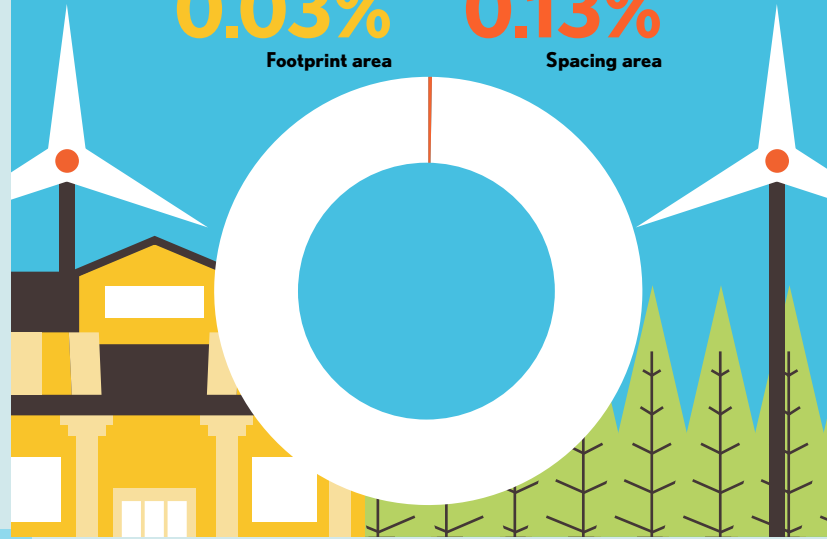
Percentage of Land Needed for All New WWS Generators

0.03%

Footprint area

0.13%

Spacing area



Future Energy Costs 2050

BAU (Business as usual)

WWS (Wind, water, solar)



Average fossil-fuel energy costs*

12.1 c/kWh

*Health and climate external costs of fossil fuels are another 5.7c/kWh



Average WWS electricity costs

8.8 c/kWh

Money in Your Pocket

(P) = \$50

Annual energy, health, and climate cost savings per person in 2050: **\$476**



Annual energy cost savings per person in 2050: **\$41**

