

100% PHILIPPINES

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



Residential rooftop solar
31.5%



Solar plant
14.4%



Concentrated solar plant
0%



Onshore wind
5%



Offshore wind
10%

2050

PROJECTED ENERGY MIX



Commercial/govt rooftop solar
17.3%



Wave energy
5%



Geothermal energy
12.3%



Hydroelectric
4.2%



Tidal turbine
0.3%



40-Year Jobs Created

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

Operation jobs:



53,034

Construction jobs:



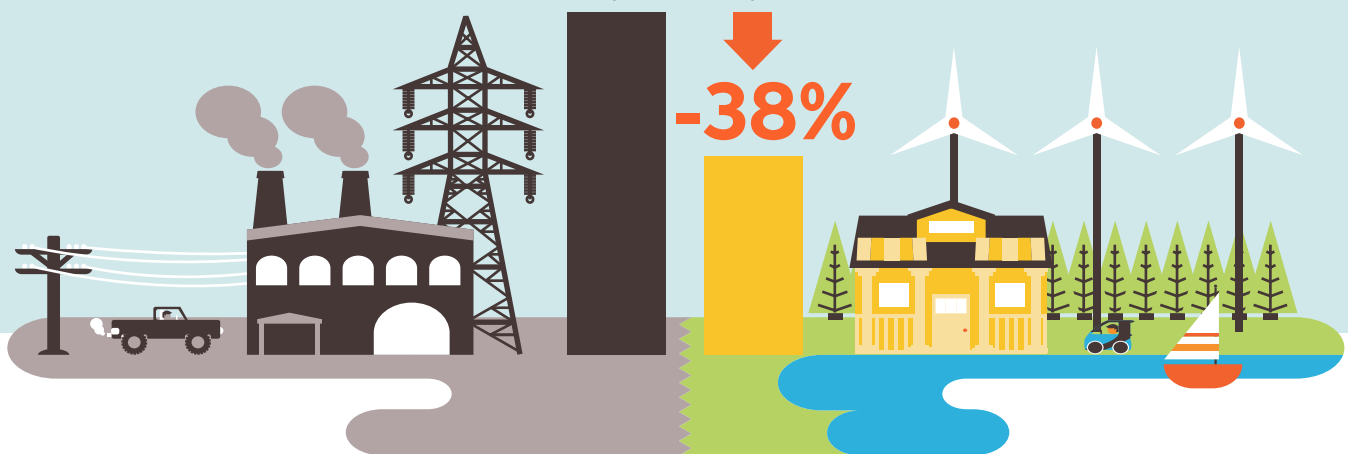
123,203

1 = 10,000

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

2050 Demand with BAU

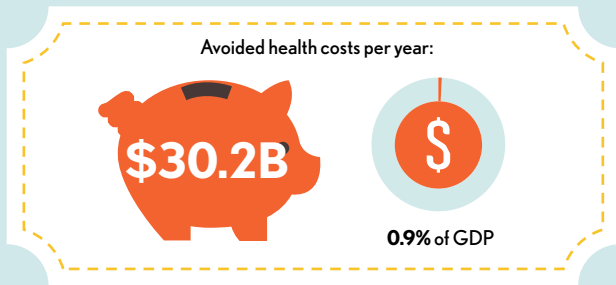
2050 Wind, Water, Solar



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Avoided Mortality and Illness Costs



Air pollution deaths avoided every year: **4,855**



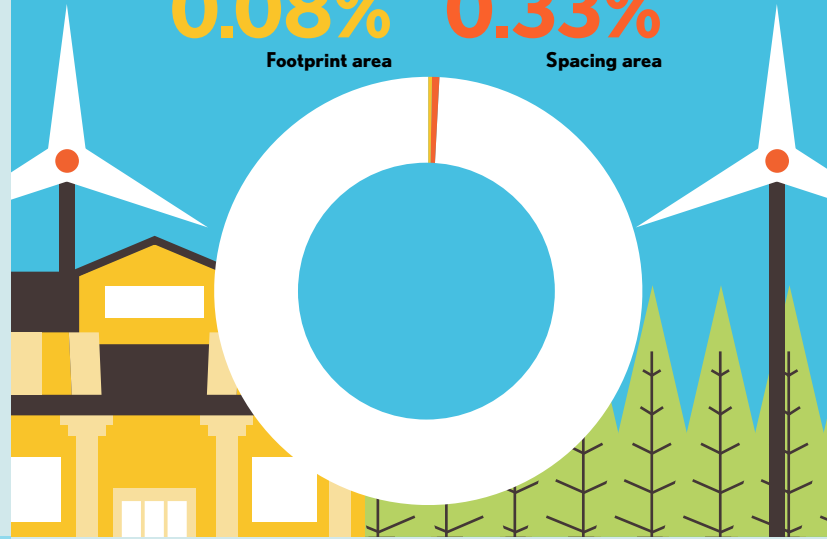
= 500



Plan pays for itself in as little as **2.8** years from air pollution and climate cost savings alone.

Percentage of Land Needed for All New WWS Generators

0.08% Footprint area
0.33% Spacing area



Future Energy Costs 2050

BAU (Business as usual) WWS (Wind, water, solar)



Average fossil-fuel energy costs*

11 c/kWh

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



Average WWS electricity costs

11.5 c/kWh

Money in Your Pocket

(P) = \$50

Annual energy, health, and climate cost savings per person in 2050: **\$468**



Annual energy cost savings per person in 2050: **\$21**

