

100% GHANA

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



Residential rooftop solar
8.9%



Solar plant
49.9%



Concentrated solar plant
0.3%



Onshore wind
21.1%



Offshore wind
4%

2050

PROJECTED ENERGY MIX



Commercial/govt rooftop solar
6.3%



Wave energy
1%



Geothermal energy
0%



Hydroelectric
8.4%



Tidal turbine
0.1%



40-Year Jobs Created

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

Operation jobs:



22,976

Construction jobs:



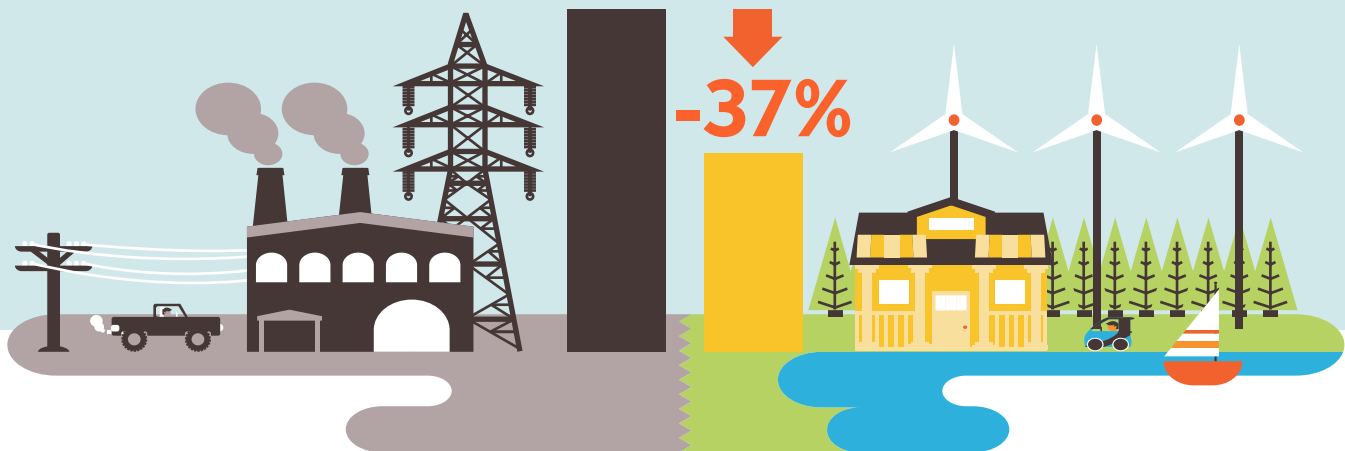
23,932

1 = 2,000

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

2050 Demand with BAU

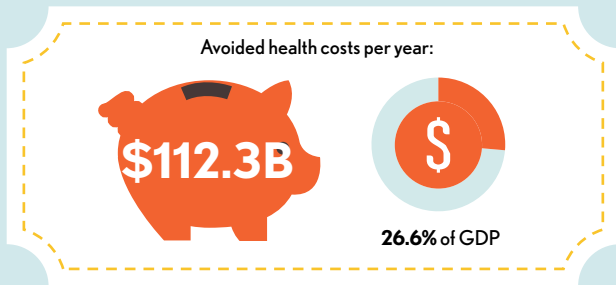
2050 Wind, Water, Solar



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Avoided Mortality and Illness Costs



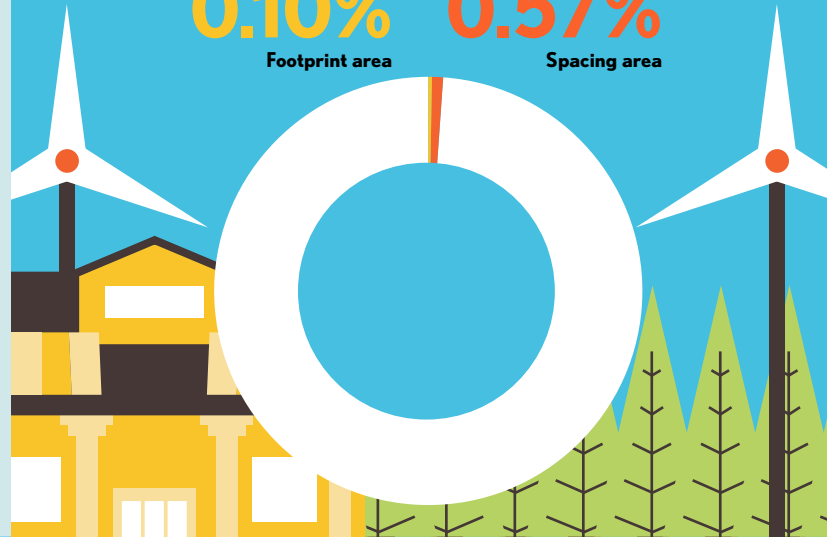
Air pollution deaths avoided every year: **25,133**



Plan pays for itself in as little as **0.6** years from air pollution and climate cost savings alone.

Percentage of Land Needed for All New WWS Generators

0.10% Footprint area
0.57% Spacing area



Future Energy Costs 2050

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



Average fossil-fuel energy costs*

7.6 c/kWh

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



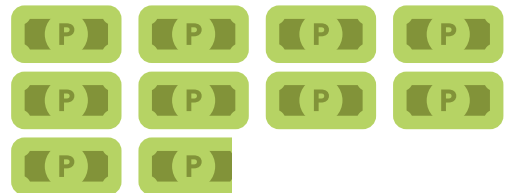
Average WWS electricity costs

6.5 c/kWh

Money in Your Pocket

Ⓟ = \$300

Annual energy, health, and climate cost savings per person in 2050: **\$2,924**



Annual energy cost savings per person in 2050: **\$14**