

100% ZAMBIA

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



Residential rooftop solar
13%



Solar plant
29.6%



Concentrated solar plant
18%



Onshore wind
20%



Offshore wind
0%

2050

PROJECTED
ENERGY MIX



Commercial/govt rooftop solar
7.7%



Wave energy
0%



Geothermal energy
0.8%



Hydroelectric
10.9%




Tidal turbine
0%



40-Year Jobs Created


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

Operation jobs: 

16,934

Construction jobs: 

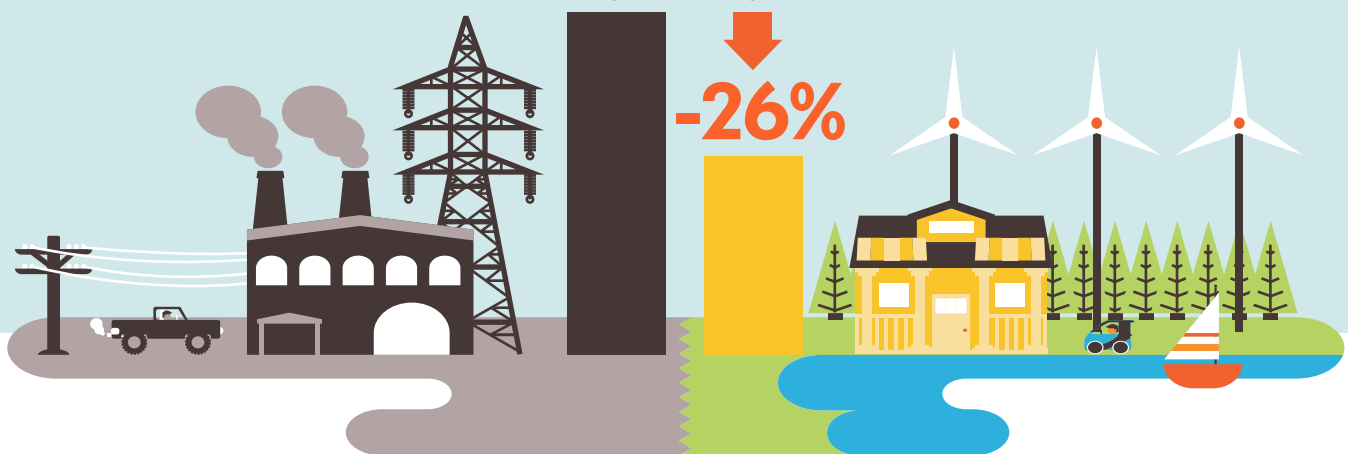
19,557

 = 5,000

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

2050 Demand with BAU

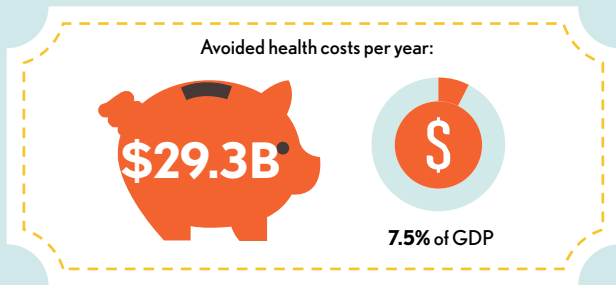
2050 Wind, Water, Solar



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Avoided Mortality and Illness Costs

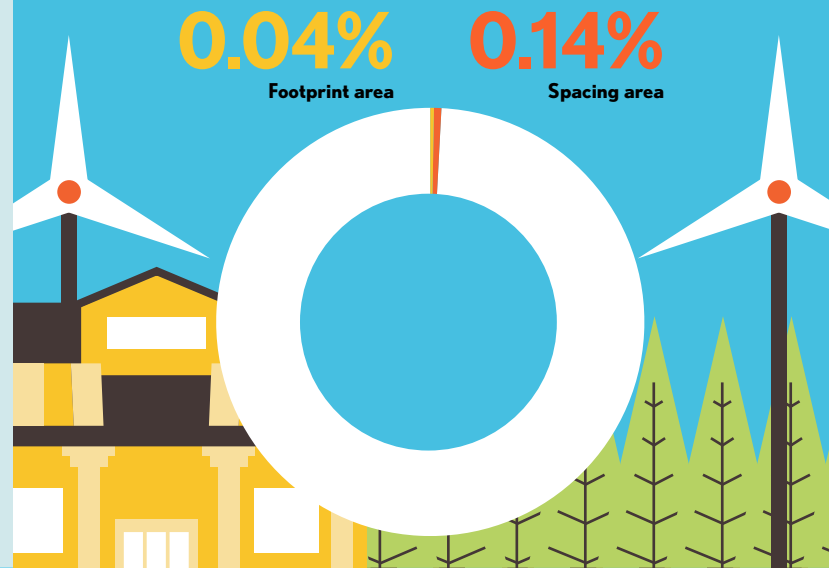


Air pollution deaths avoided every year: **6,673**



Plan pays for itself in as little as **2** years from air pollution and climate cost savings alone.

Percentage of Land Needed for All New WWS Generators



Future Energy Costs 2050

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



Average fossil-fuel energy costs*

6.9 c/kWh

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



Average WWS electricity costs

6.8 c/kWh

Money in Your Pocket

= \$100

Annual energy, health, and climate cost savings per person in 2050: **\$803**



Annual energy cost savings per person in 2050: **\$8**

