

100% BENIN

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



Residential rooftop solar
12%



Solar plant
41.8%



Concentrated solar plant
10%



Onshore wind
29.2%



Offshore wind
0.3%

2050

PROJECTED
ENERGY MIX



Commercial/govt rooftop solar
5.8%



Wave energy
0.5%



Geothermal energy
0%



Hydroelectric
0%



Tidal turbine
0.4%



40-Year Jobs Created

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

Operation jobs:



6,990

Construction jobs:



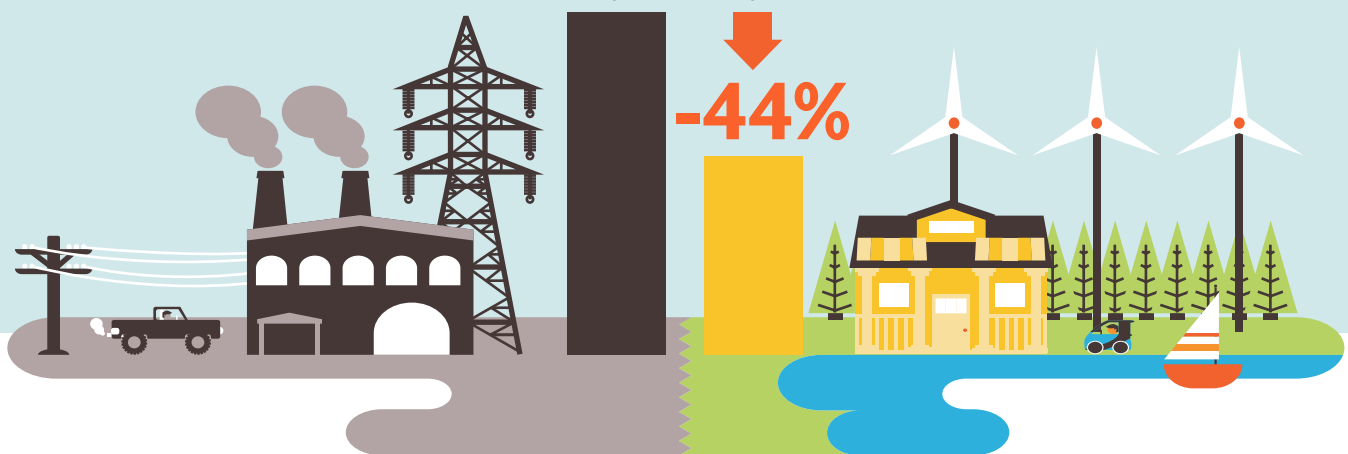
7,680

= 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

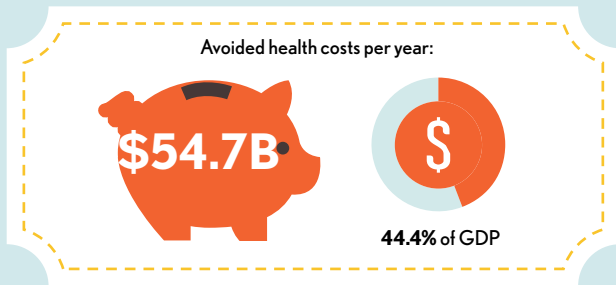
2050 Wind, Water, Solar



100% BENIN

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

Avoided Mortality and Illness Costs



Air pollution deaths avoided every year: **16,812**



= 1,000



Plan pays for itself in as little as **0.4** years from air pollution and climate cost savings alone.

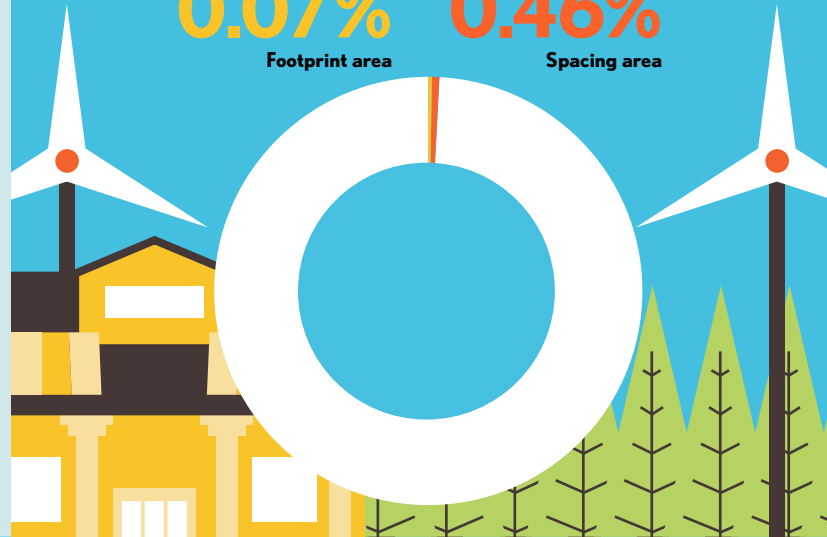
Percentage of Land Needed for All New WWS Generators

0.07%

Footprint area

0.46%

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

6.2 c/kWh

Money in Your Pocket

(P) = \$300

Annual energy, health, and climate cost savings per person in 2050: **\$2,607**



Annual energy cost savings per person in 2050: **\$10**

