

100% ETHIOPIA

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



Residential rooftop solar
17.7%



Solar plant
36.2%



Concentrated solar plant
18%



Onshore wind
16%



Offshore wind
0%

2050

PROJECTED
ENERGY MIX



Commercial/govt rooftop solar
5.1%



Wave energy
0%



Geothermal energy
4.1%



Hydroelectric
2.9%



Tidal turbine
0%



40-Year Jobs Created

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

Operation jobs:



60,043

Construction jobs:



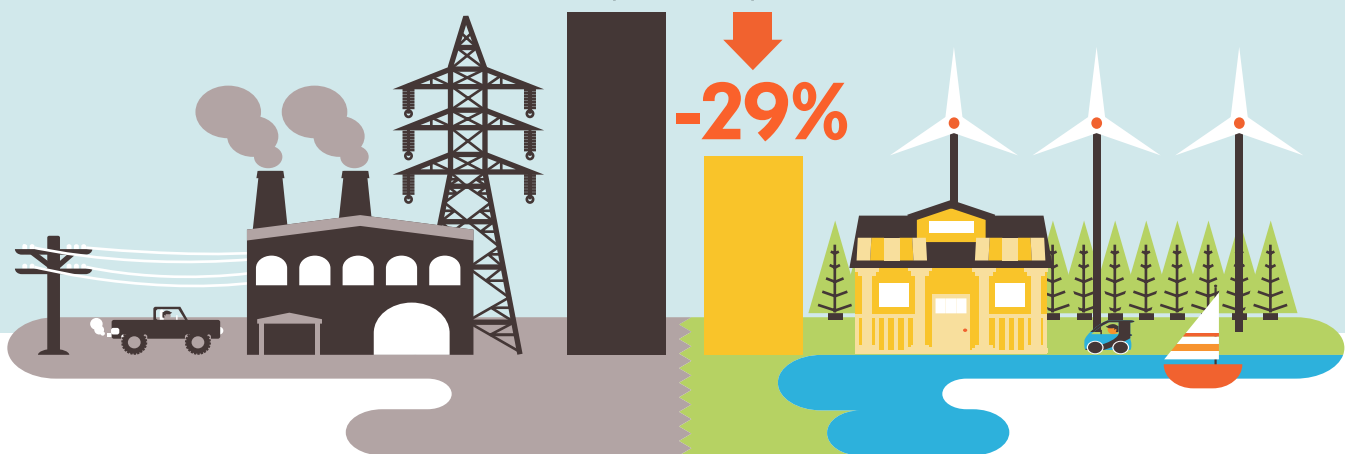
89,109

= 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

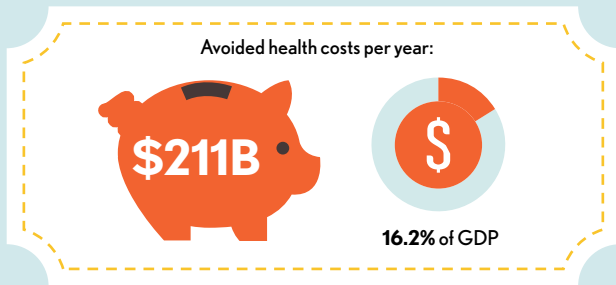
2050 Wind, Water, Solar



100% ETHIOPIA

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: **70,820**



Plan pays for itself in as little as **1.3** years from air pollution and climate cost savings alone.

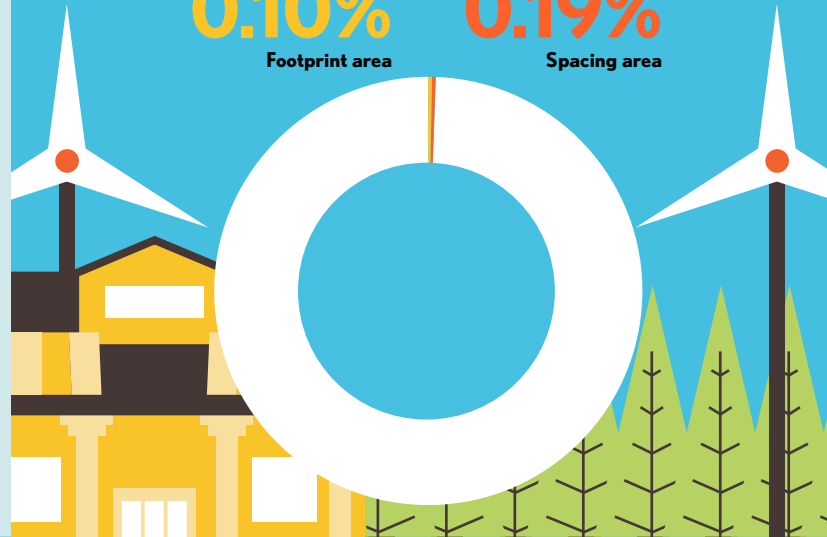
Percentage of Land Needed for All New WWS Generators

0.10%

Footprint area

0.19%

Spacing area



Future Energy Costs 2050

BAU (Business as usual)

WWS (Wind, water, solar)



Average fossil-fuel energy costs*

7 c/kWh

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



Average WWS electricity costs

7.4 c/kWh

Money in Your Pocket

(P) = \$100

Annual energy, health, and climate cost savings per person in 2050: **\$770**



Annual energy cost savings per person in 2050: **\$0**