

100% TAJIKISTAN

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



Residential rooftop solar
16.6%



Solar plant
0.4%



Concentrated solar plant
0%



Onshore wind
25%



Offshore wind
0%

2050

PROJECTED ENERGY MIX

Commercial/govt rooftop solar
8%



Wave energy
0%



Geothermal energy
0%



Hydroelectric
50%




Tidal turbine
0%




40-Year Jobs Created


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

Operation jobs: 

4,395

Construction jobs: 

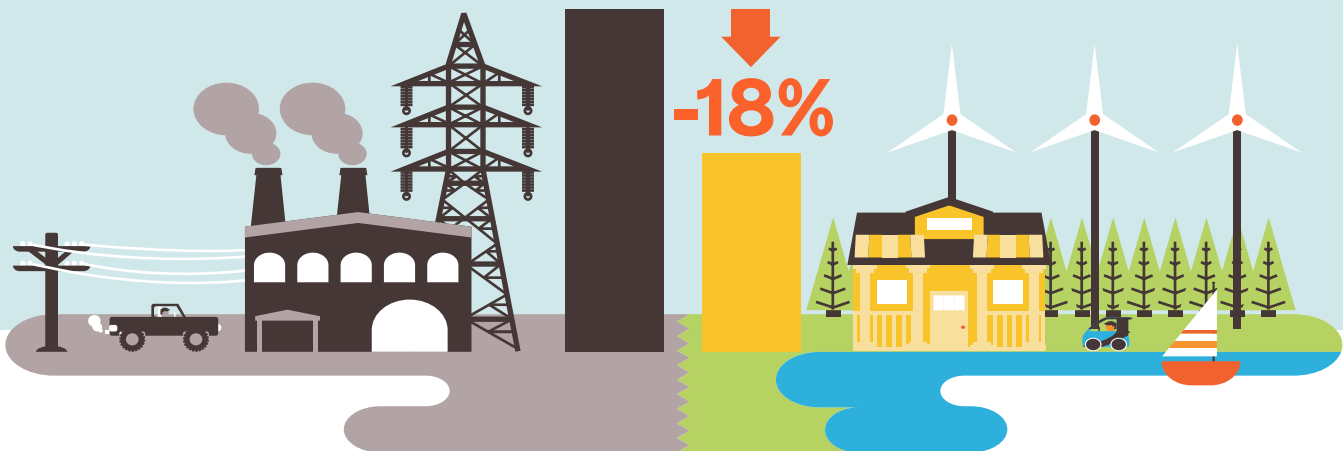
5,901

 = 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

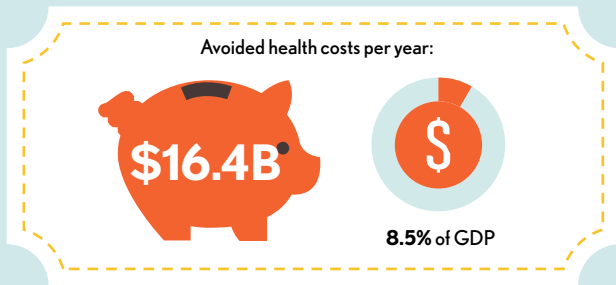
2050 Wind, Water, Solar



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Avoided Mortality and Illness Costs



Air pollution deaths avoided every year: **2,984**



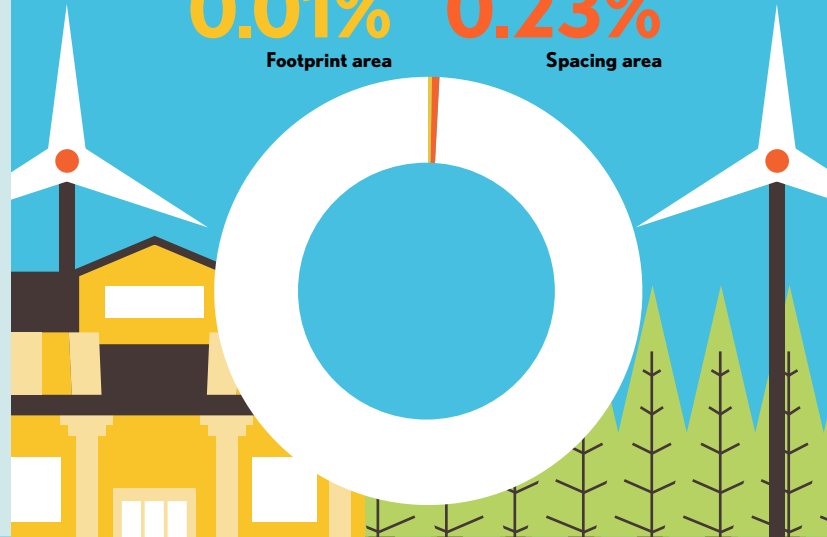
= 500



Plan pays for itself in as little as **0.9** years from air pollution and climate cost savings alone.

Percentage of Land Needed for All New WWS Generators

0.01% Footprint area
0.23% Spacing area



Future Energy Costs 2050

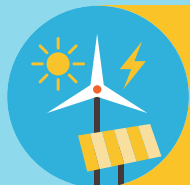
BAU (Business as usual) WWS (Wind, water, solar)



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

7.6 c/kWh

Money in Your Pocket

(P) = \$200

Annual energy, health, and climate cost savings per person in 2050: **\$1,472**



Annual energy cost savings per person in 2050: **\$4**

