

# 100% SERBIA

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



Residential rooftop solar  
**2.4%**



Solar plant  
**59.5%**



Concentrated solar plant  
**0%**



Onshore wind  
**25%**



Offshore wind  
**0%**

## 2050

PROJECTED ENERGY MIX



Commercial/govt rooftop solar  
**5%**



Wave energy  
**0%**



Geothermal energy  
**0%**



Hydroelectric  
**8.1%**



Tidal turbine  
**0%**



### 40-Year Jobs Created

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

Operation jobs:

Construction jobs:

= 10,000

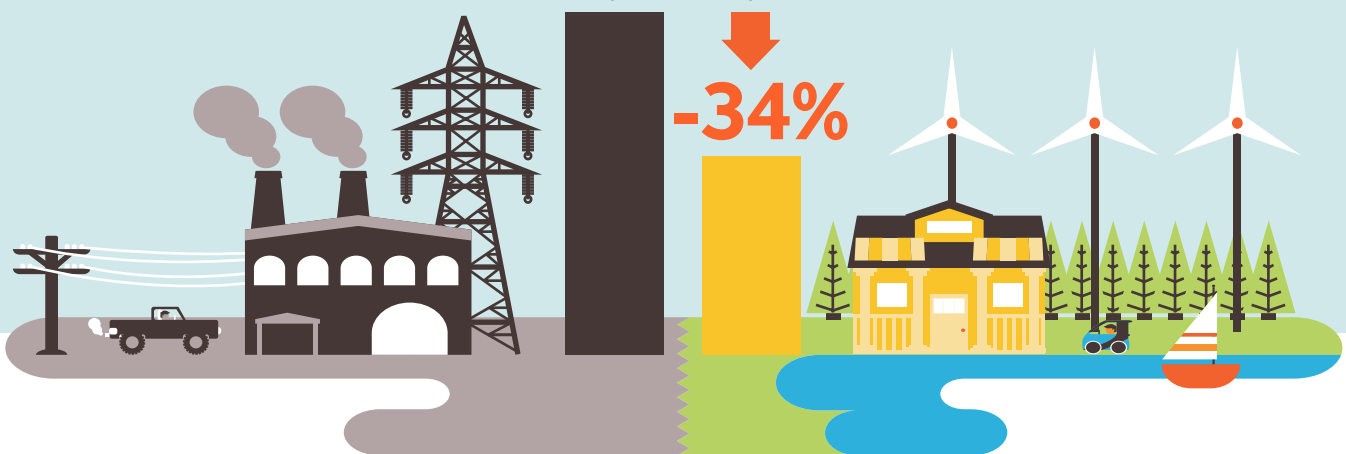
**40,172**

**33,830**

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

2050 Demand with BAU

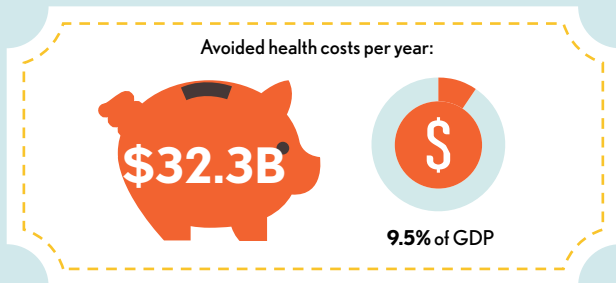
2050 Wind, Water, Solar



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## Avoided Mortality and Illness Costs



Air pollution deaths avoided every year: **3,083**



= 500



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

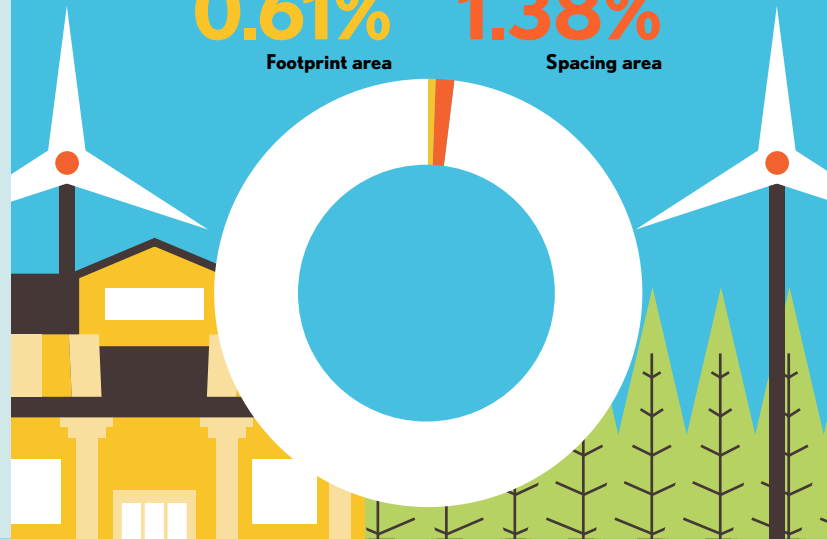
## Percentage of Land Needed for All New WWS Generators

**0.61%**

Footprint area

**1.38%**

Spacing area



## Future Energy Costs 2050

BAU (Business as usual)

WWS (Wind, water, solar)



Average fossil-fuel energy costs\*

**9.3 c/kWh**

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



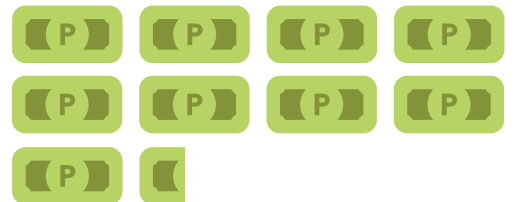
Average WWS electricity costs

**6.2 c/kWh**

## Money in Your Pocket

**(P)** = \$1,000

Annual energy, health, and climate cost savings per person in 2050: **\$9,279**



Annual energy cost savings per person in 2050: **\$540**

