

# 100% BOLIVIA

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



Residential rooftop solar  
**20.1%**



Solar plant  
**23%**



Concentrated solar plant  
**5%**



Onshore wind  
**25%**



Offshore wind  
**0%**

## 2050

PROJECTED  
ENERGY MIX

Commercial/govt rooftop solar  
**8.6%**



Wave energy  
**0%**



Geothermal energy  
**15%**



Hydroelectric  
**3.3%**



Tidal turbine  
**0%**



### 40-Year Jobs Created

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

Operation jobs:



**12,466**

Construction jobs:



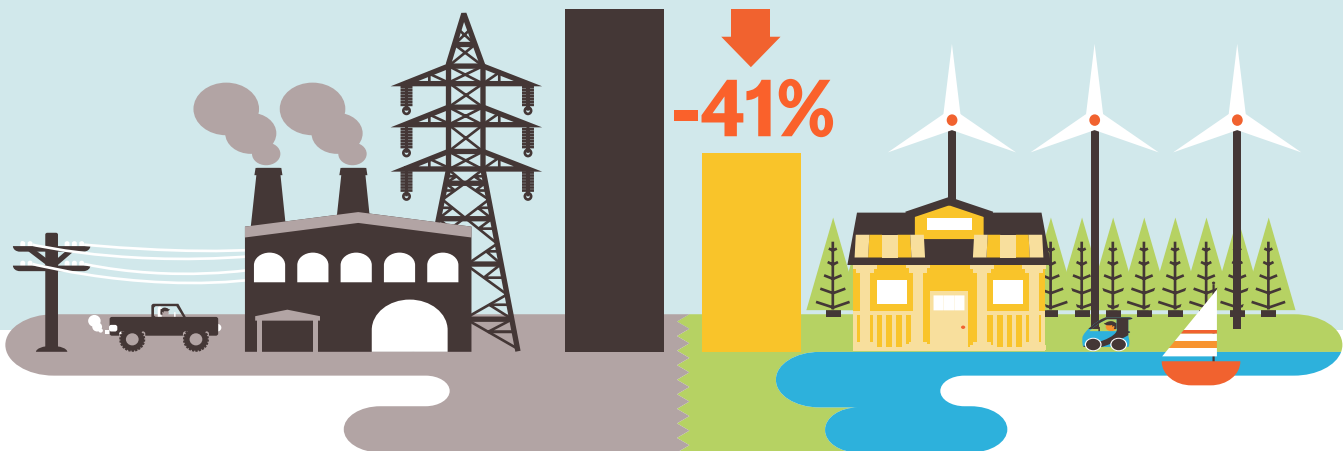
**17,259**

☺ = 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

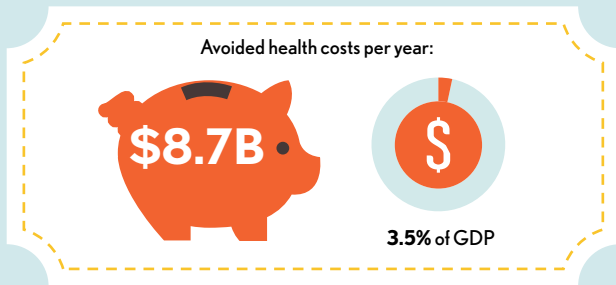
2050 Wind, Water, Solar



# 100% BOLIVIA

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: **1,606**



= 100



Plan pays for itself in as little as **1.7** years from air pollution and climate cost savings alone.

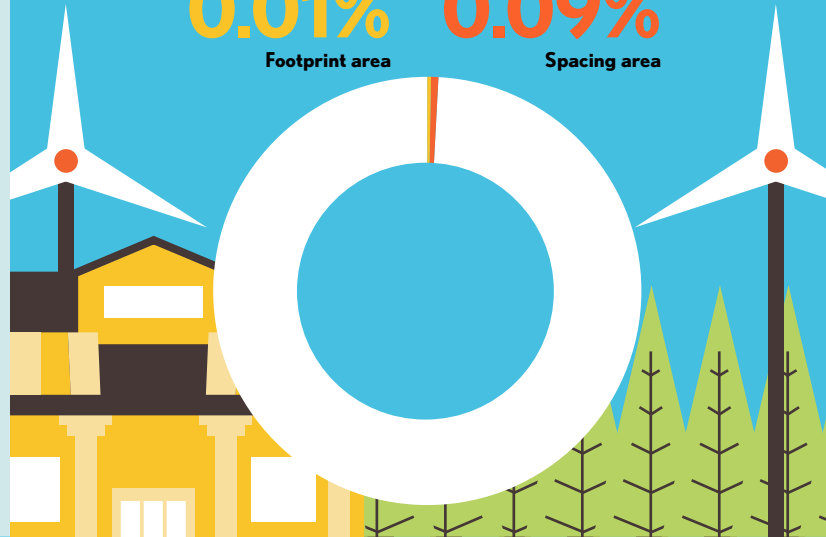
## Percentage of Land Needed for All New WWS Generators

**0.01%**

Footprint area

**0.09%**

Spacing area



## Future Energy Costs 2050

BAU (Business as usual)

WWS (Wind, water, solar)



Average fossil-fuel energy costs\*

**10.5 c/kWh**

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



Average WWS electricity costs

**8.7 c/kWh**

## Money in Your Pocket

**(P) = \$100**

Annual energy, health, and climate cost savings per person in 2050: **\$1,137**



Annual energy cost savings per person in 2050: **\$22**

