100% PAKISTAN

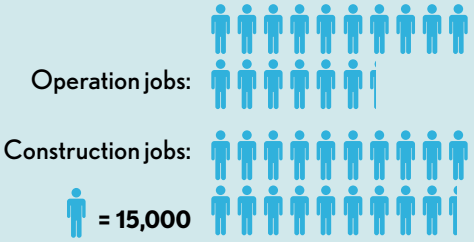
Transition to 100% wind, water, and solar (WWS) for all purposes
(electricity, transportation, heating/cooling, industry)

2050
PROJECTED ENERGY MIX

- Residential rooftop solar **12.2%**
- Solar plant **57.9%**
- Concentrated solar plant **15%**
- Onshore wind **2.5%**
- Offshore wind **2.3%**
- Commercial/govt rooftop solar **6.7%**
- Wave energy **0.3%**
- Geothermal energy **0%**
- Hydroelectric **3.1%**
- Tidal turbine **0%**

40-Year Jobs Created

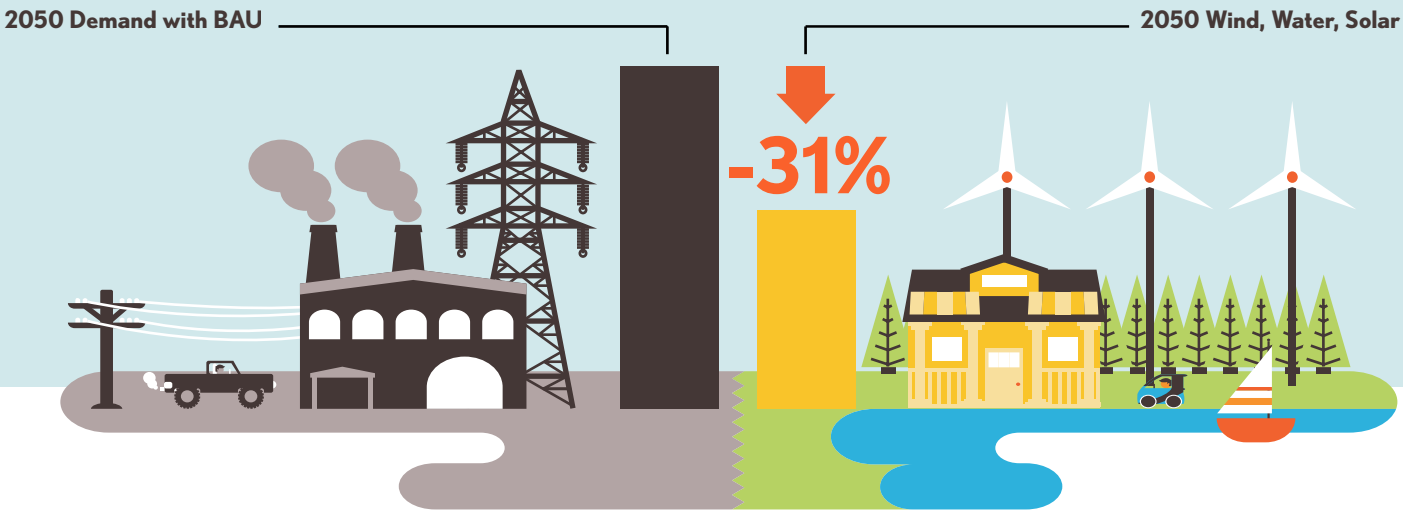
Number of jobs where a person is employed for 40 consecutive years



239,490

290,527

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



THE SOLUTIONS PROJECT

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Avoided Mortality and Illness Costs

Avoided health costs per year:

21% of GDP

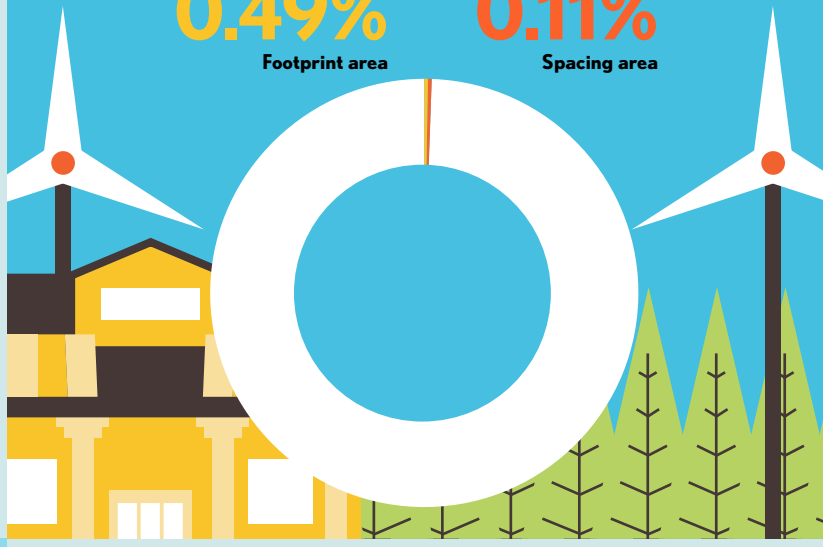
Air pollution deaths avoided every year: **170,517**

Plan pays for itself in as little as **0.8** years from air pollution and climate cost savings alone.

Percentage of Land Needed for All New WWS Generators

0.49% Footprint area

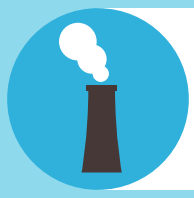
0.11% Spacing area



Future Energy Costs 2050

BAU (Business as usual)

WWS (Wind, water, solar)



Average fossil-fuel energy costs*

10.4 c/kWh

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

Average WWS electricity costs

6.8 c/kWh

Money in Your Pocket

= $500

Annual energy, health, and climate cost savings per person in 2050: **$3,469**

Annual energy cost savings per person in 2050: **$37**

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