100% UNITED KINGDOM

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

2050
PROJECTED ENERGY MIX

- Residential rooftop solar **1.1%**
- Solar plant **7.2%**
- Concentrated solar plant **0%**
- Onshore wind **20%**
- Offshore wind **65%**
- Commercial/govt rooftop solar **3%**
- Wave energy **0.8%**
- Geothermal energy **0%**
- Hydroelectric **0.7%**
- Tidal turbine **2.2%**

40-Year Jobs Created

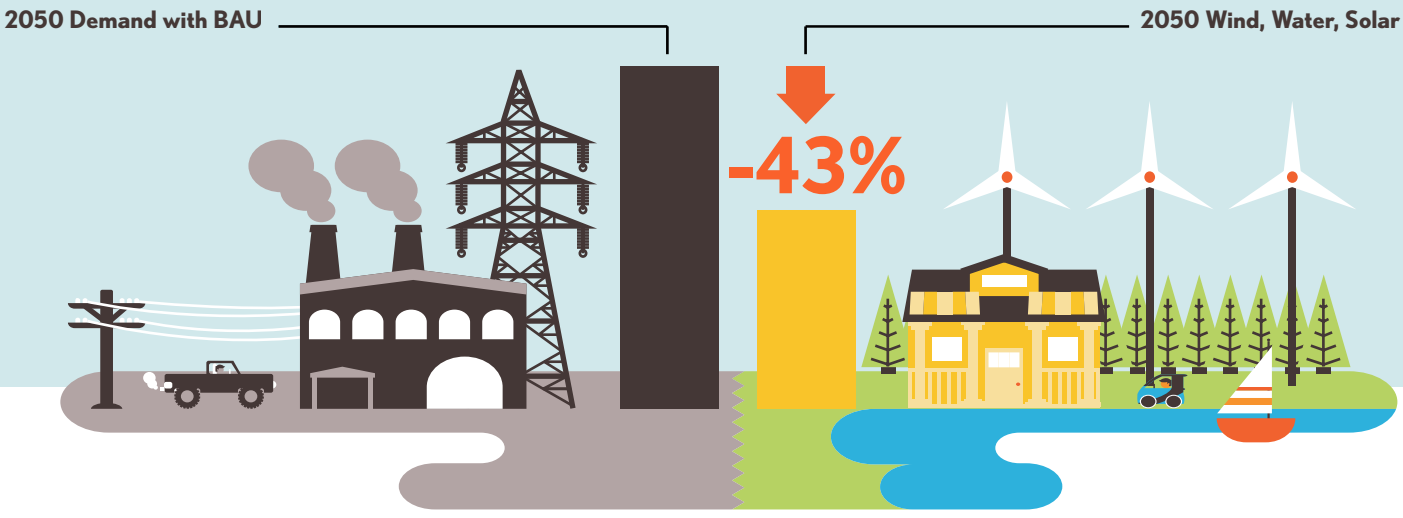
Number of jobs where a person is employed for 40 consecutive years

Operation jobs: **218,326**

Construction jobs: **154,386**

= 50,000

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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Transition to 100% wind, water, and solar (WWS) for all purposes
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Avoided Mortality and Illness Costs

Avoided health costs per year:

4.9% of GDP

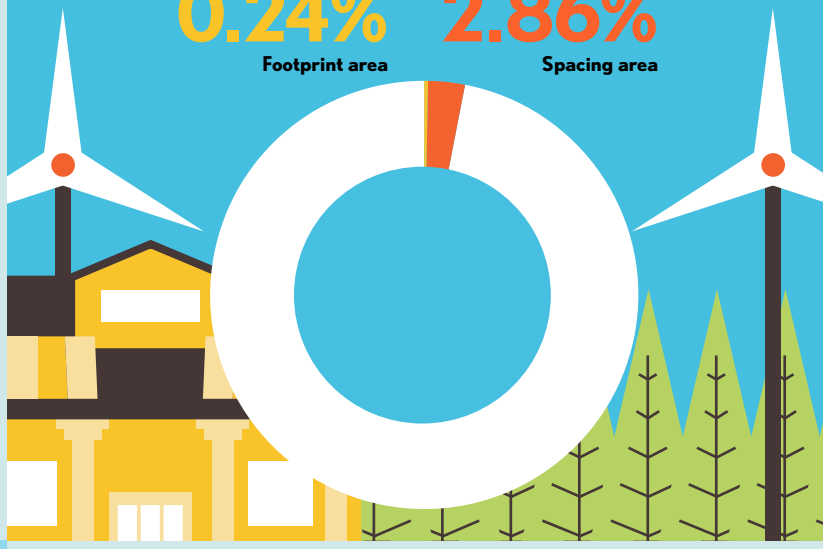
Air pollution deaths avoided every year: **20,475**

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

0.24% Footprint area

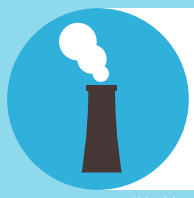
2.86% Spacing area



Future Energy Costs 2050

BAU (Business as usual)

WWS (Wind, water, solar)



Average fossil-fuel energy costs*

11.1 c/kWh

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

Average WWS electricity costs

13.1 c/kWh

Money in Your Pocket

= $1,000

Annual energy, health, and climate cost savings per person in 2050: **$6,528**

Annual energy cost savings per person in 2050: **$47**

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