100% UNITED STATES

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

2050 PROJECTED ENERGY MIX

- Residential rooftop solar: 8%
- Solar plant: 25%
- Concentrated solar plant: 7.3%
- Onshore wind: 30.9%
- Offshore wind: 17.5%
- Commercial/govt rooftop solar: 7.4%
- Wave energy: 0.4%
- Geothermal energy: 0.5%
- Hydroelectric: 3%
- Tidal turbine: 0%

40-Year Jobs Created
Number of jobs where a person is employed for 40 consecutive years

Operation jobs: 2,815,850
Construction jobs: 2,285,816

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

-44%

Data from Stanford University

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Avoided Mortality and Illness Costs

Avoided health costs per year:

$587B
1.5% of GDP

Air pollution deaths avoided every year: 44,367

= 10,000

Plan pays for itself in as little as 1.5 years from air pollution and climate cost savings alone.

Future Energy Costs 2050

Average fossil-fuel energy costs*

10.4 c/kWh

Average WWS electricity costs

8.5 c/kWh

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

Percentage of Land Needed for All New WWS Generators

0.24% Footprint area
1.81% Spacing area

Money in Your Pocket

= $1,000

Annual energy, health, and climate cost savings per person in 2050: $8,020

Annual energy cost savings per person in 2050: $444

Data from Stanford University