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

Residential rooftop solar 11.3%
Solar plant 25.4%
Concentrated solar plant 0%
Onshore wind 30%
Offshore wind 5%

Commercial/govt rooftop solar 10.7%
Wave energy 4%
Geothermal energy 0%
Hydroelectric 12.8%
Tidal turbine 0.8%

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

Operation jobs: 15,033
Construction jobs: 12,720

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

-56%

Data from Stanford University

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

Avoided Mortality and Illness Costs

Avoided health costs per year:

$0.6B

0.33% of GDP

Air pollution deaths avoided every year: 73

= 10

Plan pays for itself in as little as 3.2 years from air pollution and climate cost savings alone.

Future Energy Costs 2050

BAU (Business as usual)

WWS (Wind, water, solar)

Average fossil-fuel energy costs*

9.3 c/kWh

Average WWS electricity costs

8.1 c/kWh

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

Money in Your Pocket

Money in Your Pocket = $100

Annual energy, health, and climate cost savings per person in 2050: $1,169

Annual energy cost savings per person in 2050: $74

Data from Stanford University