

100% NORWAY

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



Residential rooftop solar
0.3%



Solar plant
4.4%



Concentrated solar plant
0%



Onshore wind
14%



Offshore wind
10%

2050

PROJECTED ENERGY MIX



Commercial/govt rooftop solar
0.7%



Wave energy
0.6%



Geothermal energy
0%



Hydroelectric
69.6%



Tidal turbine
0.4%



40-Year Jobs Created

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

Operation jobs:



28,865

Construction jobs:



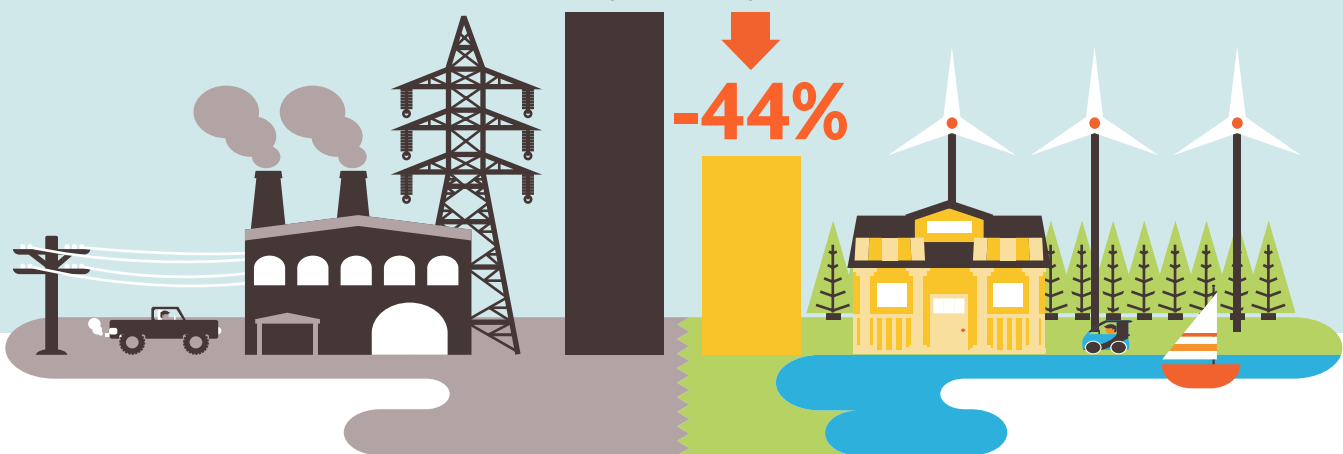
10,885

= 2,000

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

2050 Demand with BAU

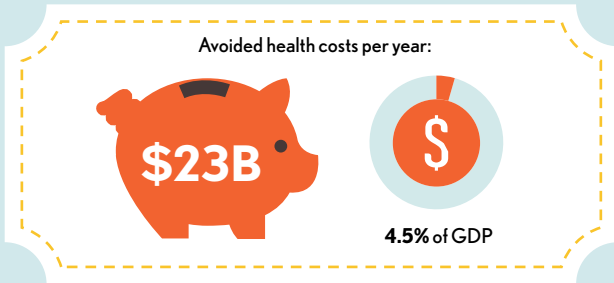
2050 Wind, Water, Solar



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Avoided Mortality and Illness Costs



Air pollution deaths avoided every year: **1,649**

= 100



Plan pays for itself in as little as **0.6** years from air pollution and climate cost savings alone.

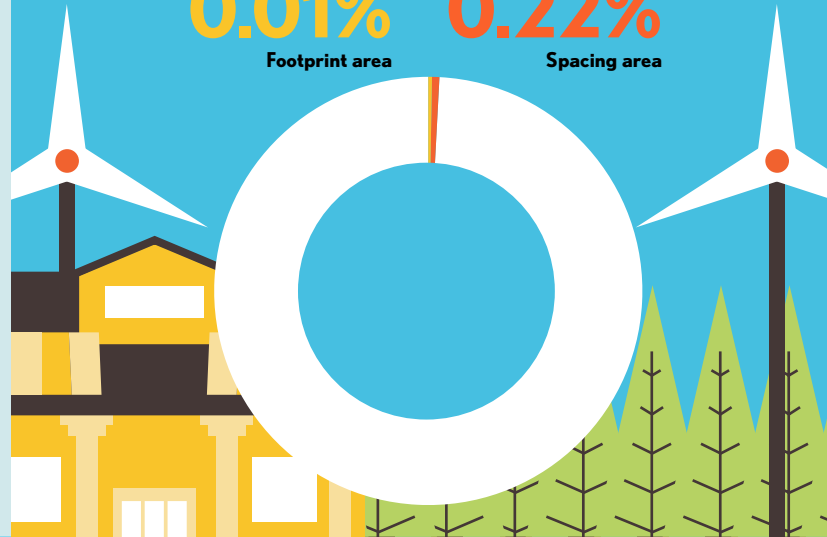
Percentage of Land Needed for All New WWS Generators

0.01%

Footprint area

0.22%

Spacing area



Future Energy Costs 2050

BAU (Business as usual)

WWS (Wind, water, solar)



Average fossil-fuel energy costs*

7.2 c/kWh

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



Average WWS electricity costs

7.9 c/kWh

Money in Your Pocket

= \$1,000

Annual energy, health, and climate cost savings per person in 2050: **\$10,701**



Annual energy cost savings per person in 2050: **\$249**

