

100% ESTONIA

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



Residential rooftop solar
0.8%



Solar plant
14.8%



Concentrated solar plant
0%



Onshore wind
60%



Offshore wind
20.7%

2050

PROJECTED ENERGY MIX



Commercial/govt rooftop solar
1.3%



Wave energy
2%



Geothermal energy
0%



Hydroelectric
0.1%



Tidal turbine
0.4%




40-Year Jobs Created


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

Operation jobs: 

6,245

Construction jobs: 

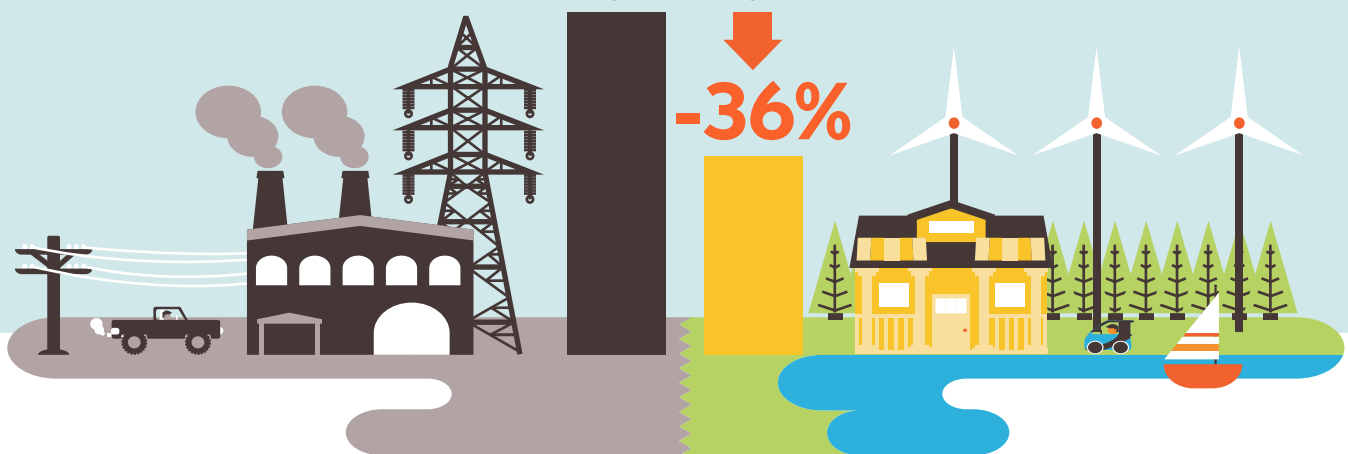
4,450

 = 1,000

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

2050 Demand with BAU

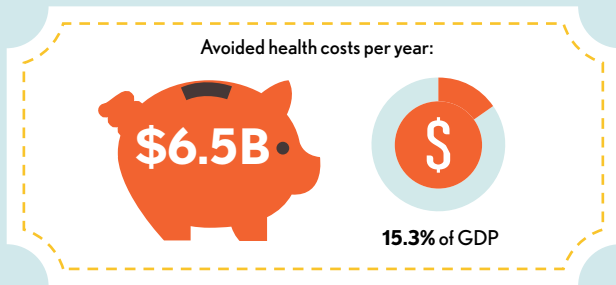
2050 Wind, Water, Solar



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Avoided Mortality and Illness Costs



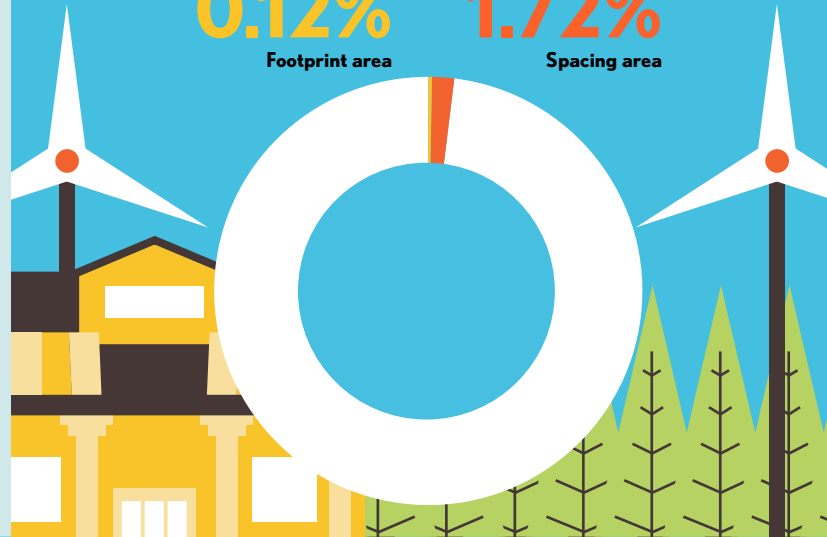
Air pollution deaths avoided every year: **671**



Plan pays for itself in as little as 1 year from air pollution and climate cost savings alone.

Percentage of Land Needed for All New WWS Generators

0.12% Footprint area
1.72% 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



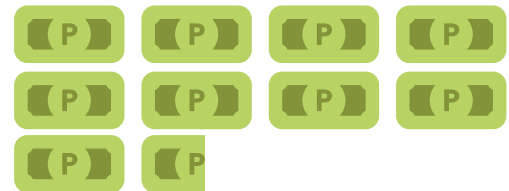
Average WWS electricity costs

8.5 c/kWh

Money in Your Pocket

(P) = \$2,000

Annual energy, health, and climate cost savings per person in 2050: **\$19,018**



Annual energy cost savings per person in 2050: **\$586**

