

100% LATVIA

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



Residential rooftop solar
0.6%



Solar plant
32.5%



Concentrated solar plant
0%



Onshore wind
35%



Offshore wind
14.5%

2050

PROJECTED ENERGY MIX

Commercial/govt rooftop solar
1.2%



Wave energy
3.9%



Geothermal energy
0%



Hydroelectric
12.1%



Tidal turbine
0.2%



40-Year Jobs Created

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

Operation jobs:



21,913

Construction jobs:



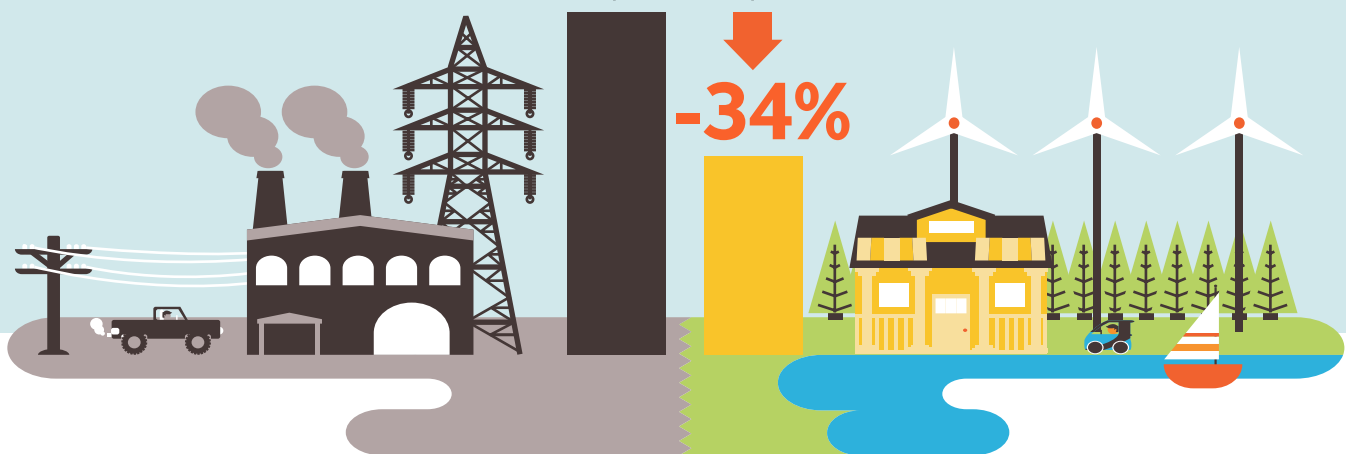
13,258

1 figure = 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

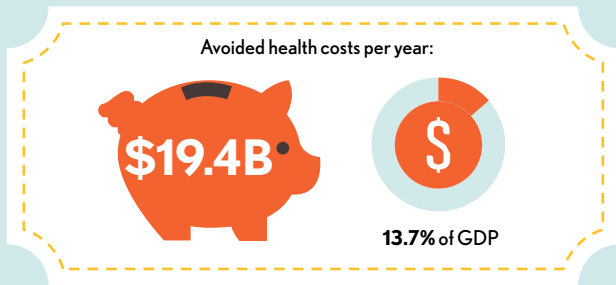
2050 Wind, Water, Solar



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Avoided Mortality and Illness Costs



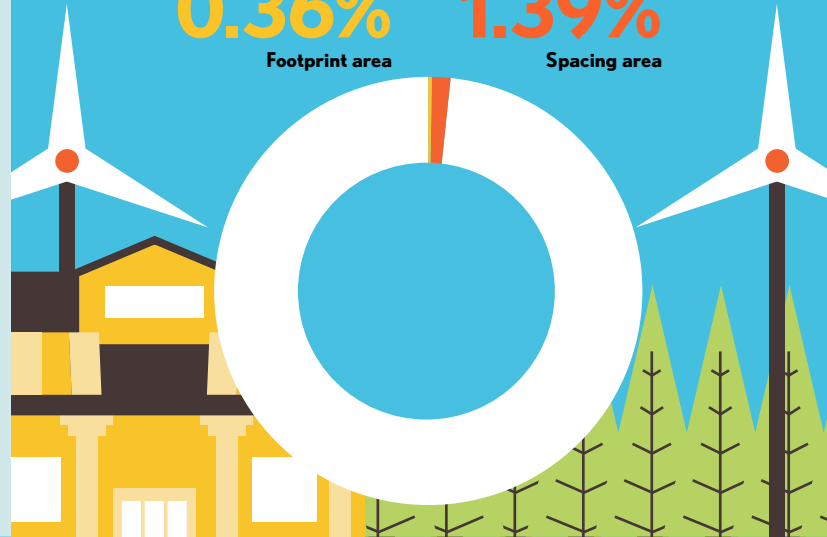
Air pollution deaths avoided every year: **1,469**



Plan pays for itself in as little as **1.6** years from air pollution and climate cost savings alone.

Percentage of Land Needed for All New WWS Generators

0.36% Footprint area
1.39% Spacing area



Future Energy Costs 2050

BAU (Business as usual) WWS (Wind, water, solar)



Average fossil-fuel energy costs*

9.7 c/kWh

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



Average WWS electricity costs

7.8 c/kWh

Money in Your Pocket

= \$1,500

Annual energy, health, and climate cost savings per person in 2050: **\$15,334**



Annual energy cost savings per person in 2050: **\$405**

