

100% MASSACHUSETTS

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



Residential rooftop PV
3.9%



Solar PV plants
22.3%



CSP plants
0%



Onshore wind
13%



Offshore wind
55%

2050

PROJECTED
ENERGY MIX



Commercial/govt
rooftop PV
3.3%



Wave devices
1%



Geothermal
0%



Hydroelectric
1.4%



Tidal turbines
0.1%



40-Year Jobs Created

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

Operation jobs:



37,950

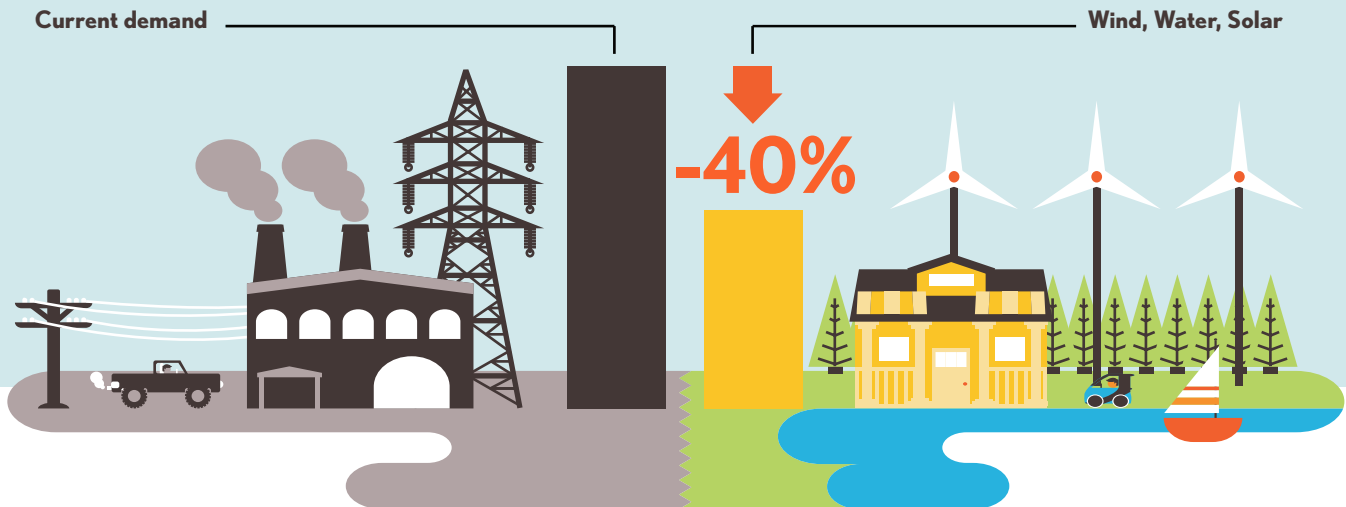
Construction jobs:



53,490

=10,000

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



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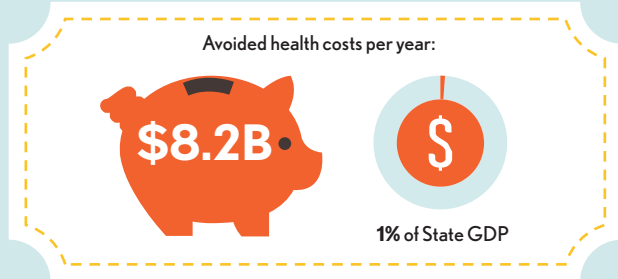


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Avoided Mortality and Illness Costs

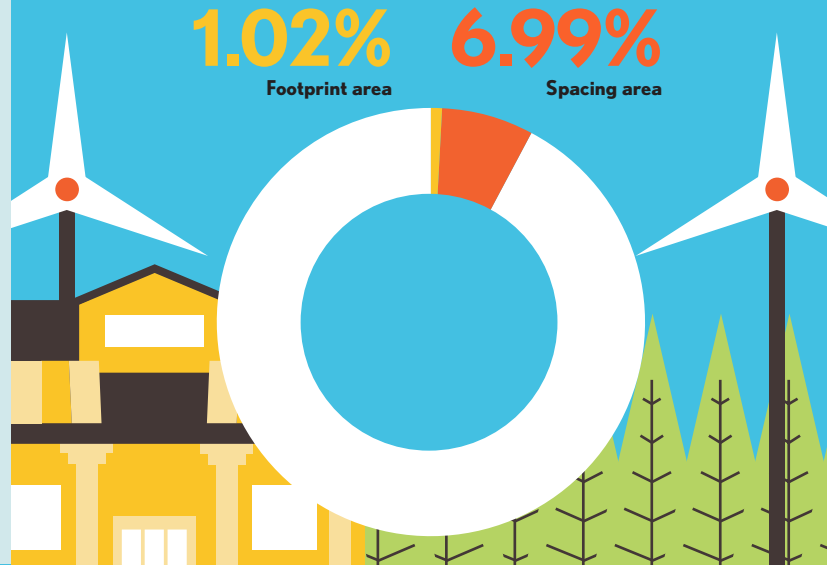


Air pollution deaths avoided every year: **1033**



Plan pays for itself in as little as **5** years from air pollution and climate cost savings alone

Percentage of Massachusetts Land Needed for All New WWS Generators



Future Energy Costs 2050

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

U.S. average fossil-fuel energy costs*

11.0 c/kWh

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

State average WWS electricity costs

12.7 c/kWh

Money in Your Pocket

[P] = \$2,000

Annual energy, health, and climate cost savings per person in 2050: **\$6,365**



Annual energy cost savings per person in 2050: **\$26**

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