

# 100% NEW YORK

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



Residential rooftop PV  
3.6%



Solar PV plants  
35.8%



CSP plants  
0%



Onshore wind  
10%



Offshore wind  
40%

## 2050

PROJECTED  
ENERGY MIX

Commercial/govt  
rooftop PV  
3.2%



Wave devices  
0.8%



Geothermal  
0%



Hydroelectric  
6.5%



Tidal turbines  
0.1%



### 40-Year Jobs Created

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

Operation jobs:



94,644

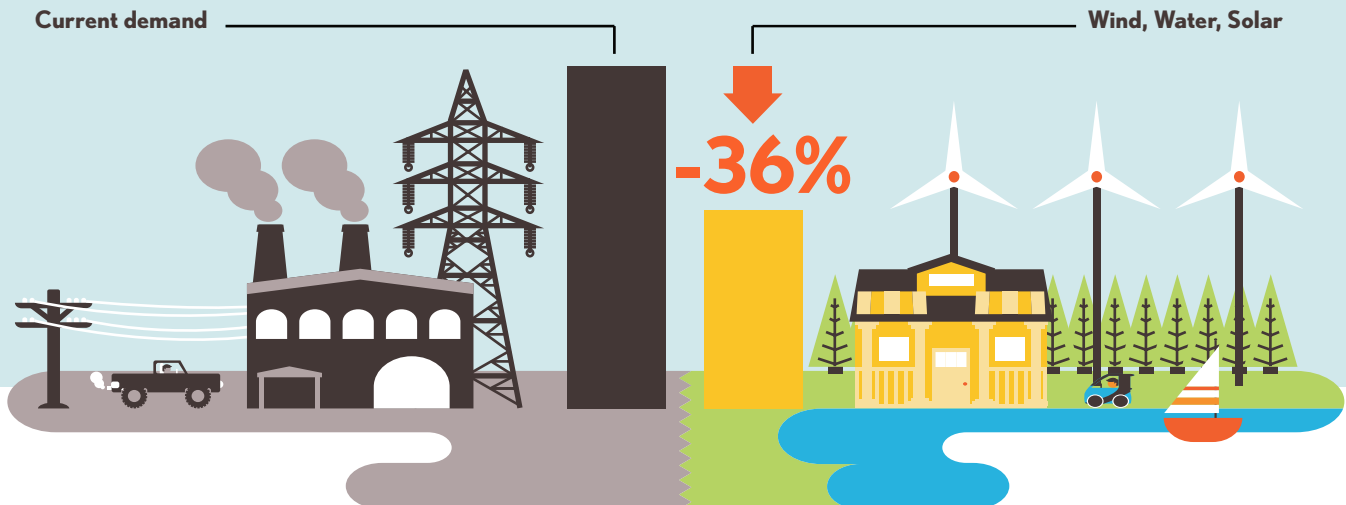
Construction jobs:



174,775

1 icon = 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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## Avoided Mortality and Illness Costs

Avoided health costs per year:



1% of State GDP

Air pollution deaths avoided every year: 3137



=100



Plan pays for itself in as little as 6.1 years from air pollution and climate cost savings alone

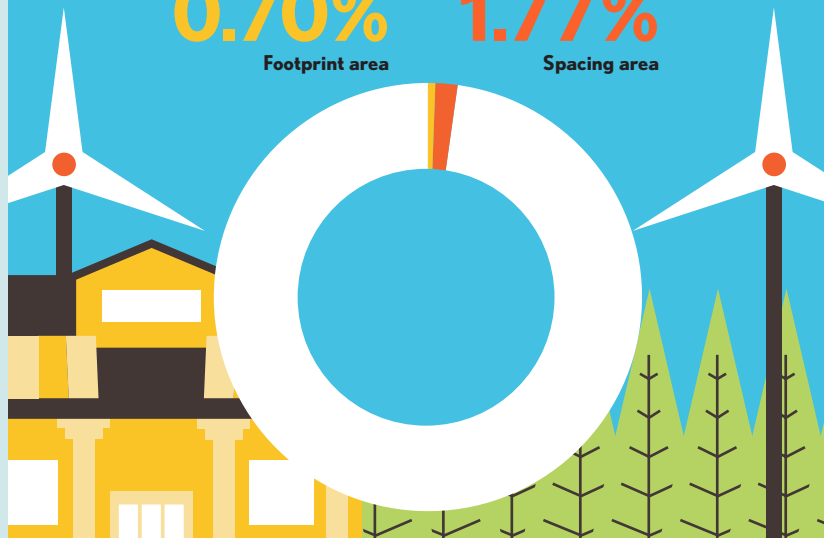
## Percentage of New York Land Needed for All New WWS Generators

0.70%

Footprint area

1.77%

Spacing area



## Future Energy Costs 2050

BAU (Business as usual)

WWS (Wind, water, solar)

U.S. average fossil-fuel energy costs\*

12.6 c/kWh

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

State average WWS electricity costs

13.4 c/kWh

## Money in Your Pocket

☞ = \$2,000

Annual energy, health, and climate cost savings per person in 2050: \$5,789



Annual energy cost savings per person in 2050: \$112



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