



# Manchester Can Benefit From More Clean Energy

*Across New Hampshire, clean energy is booming – reducing pollution, cleaning our air, creating jobs and saving money. Contributing to the boom is the Regional Greenhouse Gas Initiative – America’s best regional clean air and climate program – which is limiting pollution and generating funding for clean energy programs.*

*But we can do much more. We have the tools to power our society entirely with clean energy sources like the wind and the sun, while also using energy more efficiently. Clean energy can help protect Manchester from the worst impacts of global warming, such as snow loss, and build a healthier and more prosperous future.*

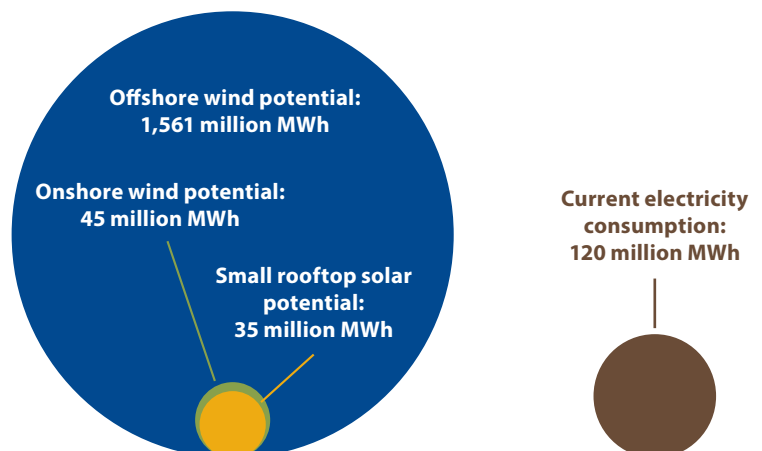
*To accelerate our progress, New Hampshire and other New England states should double the strength of the Regional Greenhouse Gas Initiative to help create an even stronger market for clean energy.*

*Here’s how more clean energy can benefit Manchester – and New Hampshire:*

## New Hampshire Has Immense Renewable Energy Potential

New England could generate nearly **14 times more electricity with solar and wind power than it uses** in the course of a year. Tapping even a fraction of that potential could enable New Hampshire to power itself with clean energy.

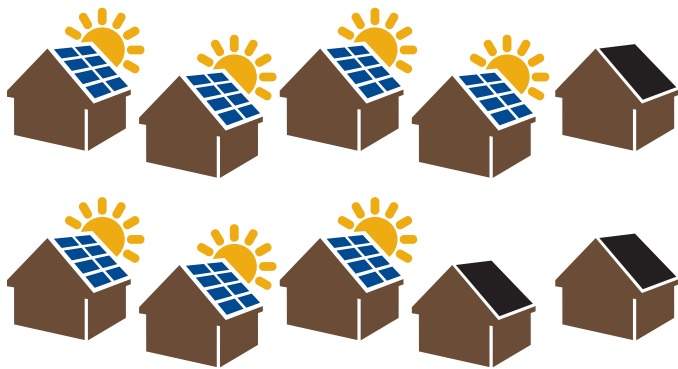
### Comparison of Renewable Energy Technical Potential and Current Consumption in New England



# Manchester Can Benefit From More Clean Energy

## Clean Energy Can Replace Dirty Fuels

New Hampshire has the potential to generate **four times more electricity from wind and solar than is currently produced by polluting fuels**, like gas, in the state.



## Manchester's Rooftops Can Generate Clean Electricity Locally

More than **7 out of 10 small buildings in Manchester** have the potential to host rooftop solar panels – providing reliable electricity for residents and reducing dependence on fossil fuels, according to data from the U.S. Department of Energy.

## New Hampshire Has Tremendous, Untapped Wind Energy Potential

New Hampshire has the potential to produce enough power with onshore wind turbines to **power all the homes in New Hampshire twice over**.



# Manchester Can Benefit From More Clean Energy

## Energy Efficiency Is Saving Money and Cutting Pollution

Energy efficiency programs implemented in 2015 in New Hampshire **saved enough energy to power nearly 9,000 homes.**



## Clean Energy Creates Jobs

New Hampshire is home to more than 70 solar companies, which employ nearly 1,000 people.

## Renewable Energy is Good Business

Businesses and organizations in Manchester and across New Hampshire benefit from a **growing clean energy economy**. For example, Smuttynose Brewery built a new highly-efficient brewery operation in New Hampshire with help from the state's participation in the Regional Greenhouse Gas Initiative. Over the lifetime of the equipment installed, Smuttynose will save more than \$1 million in energy costs - while helping to preserve the climate necessary for farmers to grow the raw ingredients for beer by preventing carbon pollution equivalent to driving a typical car for almost 13 million miles.



# Manchester Can Benefit From More Clean Energy

## Stronger Action Will Make Us Healthier

Clean air means better health. In its first six years, the **Regional Greenhouse Gas Initiative saved 10 lives in New Hampshire** and prevented 870 missed work days due to respiratory illness, according to Abt Associates. Cutting pollution faster would save even more lives and improve public health in New Hampshire.



## Stronger Action Will Boost Our Economy

Between 2009 and 2014, the **Regional Greenhouse Gas Initiative boosted New Hampshire's economy by \$85 million**, according to reports by Analysis Group. Doubling the strength of the program as part of a larger climate change program could reduce energy bills in the nine participating states by \$25 billion and create nearly 60,000 new jobs, according to a report by the Sierra Club.



## New Hampshire Should Take the Lead

New Hampshire has set strong goals on clean energy and fighting climate change – now it's time to achieve them. **Governor Sununu should double the pace at which New Hampshire is cutting pollution and investing in clean energy.** In 2017, the state should strengthen the Regional Greenhouse Gas Initiative to cut carbon pollution by 5 percent per year – and persuade neighboring states to do the same.



For more information and citations, please visit [www.EnvironmentNewHampshire.org/RGGIManchester](http://www.EnvironmentNewHampshire.org/RGGIManchester)

Photo credits: Page 1—PSNH via Flickr; Page 2—Flickr user SayCheeeeeese; Page 3 (from top)—CC-BY-2.0/Mike Mozart via Flickr, PSNH via Flickr, SmuttynoseBeer via Wikimedia; Page 4 (from top)—CC-BY-2.0/Alan Levine via Flickr, iStock.com, AlexiusHoratius via Wikimedia.