



## 100% Renewable Energy for All (H.2836, S.1958)

### We can envision a healthy, equal world powered by 100 percent renewable energy

Despite recent progress, most of our energy is still coming from dirty, polluting fossil fuels that disproportionately hurt low income and people of color- polluting our air, water and communities.

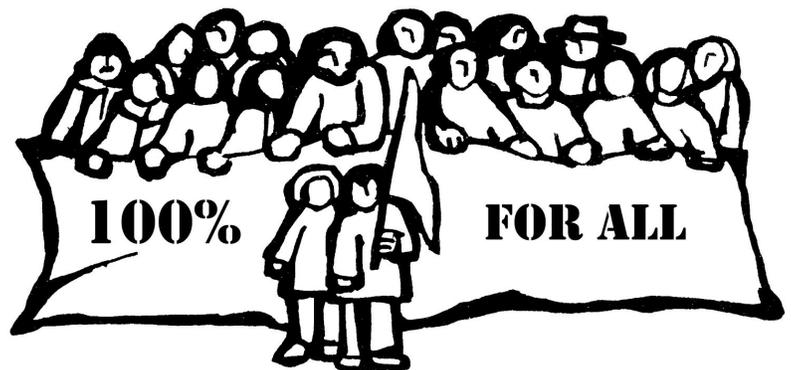
To equitably transition our society to 100 percent renewable energy, we should:

- **Make our homes and businesses more efficient.** The American Council for an Energy-Efficient Economy estimates that we can reduce energy consumption by 40–60 percent by 2050 through efficiency measures.
- **Replace fossil fuel power plants with renewable energy resources like solar and wind.** Offshore wind could generate more than 19 times as much electricity as Massachusetts consumers use on an annual basis. Just by installing solar panels on every suitable rooftop, we could generate 47 percent of Massachusetts' electricity from solar.
- **Convert other uses of fossil fuels, such as heating and transportation, to clean electricity.** Air source heat pumps, electric vehicles, and other technologies will allow us to heat our buildings and drive our transportation system with electricity from renewable sources.
- Prioritize displaced workers, low income and communities of color to benefit from the transition

### Massachusetts should lead the way

For decades, Massachusetts has taken ambitious steps to reduce fossil fuel consumption and expand clean energy, setting a bold example for the rest of the country to follow.

Now, it's more important than ever for Massachusetts to lead. We must fulfill our existing climate and clean energy commitments, such as the Global Warming Solutions Act. And to avoid the devastating effects of climate change, we must go even further to achieve 100 percent renewable energy economy-wide as soon as possible.



### Clean energy is growing rapidly in Massachusetts

Today, we're generating more than 240 times as much solar energy in Massachusetts as we did just 10 years ago. Massachusetts is poised to make similar progress on offshore wind in the coming years. And new technologies like electric vehicles, energy storage, and air source heat pumps are already being deployed at an accelerating rate. Because of renewable energy, our air is cleaner, our families are healthier, and we're releasing less global warming pollution into the atmosphere.

### **A growing movement for 100 percent renewable energy**

Across Massachusetts and around the world, a growing number of elected officials, business and institutional leaders, and ordinary citizens are embracing a goal of 100 percent renewable energy.

- More than 160 major companies, including Apple, Johnson & Johnson, and Nike, have committed to 100 percent renewable energy targets. Google is already powering its worldwide operations with 100 percent renewable electricity.
- Ten cities and towns in Massachusetts have adopted 100 percent renewable energy goals, including Salem, Cambridge, Lowell, Leverett, Framingham, Amherst, Northampton, Beverly, Watertown, and Natick. Other communities are considering similar targets.
- Boston University recently agreed to buy enough wind energy to meet its entire demand for electricity. Hampshire College is producing enough energy from on-campus solar panels to offset 100 percent of its electricity consumption.
- Hawaii has committed to 100% renewable electricity statewide by 2045; California recently set a similar target.



### **The 100% Renewable Energy Act**

The 100% Renewable Energy Act (filed by Representative Marjorie Decker, Representative Sean Garballey, and Senator Jamie Eldridge) will accelerate the growth of clean energy and set out clear, enforceable requirements to ensure we stay on track to achieve 100 percent renewable energy, while ensuring that the displaced workers, low income and communities of color that have been most impacted by fossil fuel pollution have a seat at the table.

The 100% Renewable Energy Act would make Massachusetts the first state in the nation to establish an economy-wide commitment to 100 percent renewable energy. It would:

- Set a goal of 100 percent renewable electricity by 2035, and 100 percent renewable energy economy-wide (including heating and transportation) by 2045.
- Accelerate the Renewable Portfolio Standard (RPS) to reach 100 percent renewable electricity by 2035.
- Require the Department of Energy Resources to set interim renewable energy targets for 2030 and 2040, and issue regulations to meet those targets.
- Establish an interagency working group to evaluate all state laws and regulations that affect energy consumption and propose changes to accelerate the transition to renewable energy.
- Establish a Clean Energy Workforce Development Fund to support training, education, and job placement assistance for Massachusetts residents to work in the clean energy industry, funded by energy savings from clean energy projects installed on state properties.