



Your Fall Report

Time to turn the tide on plastics

More than 40 percent: Used once, thrown away

It's clear we have a plastic problem. Over the past six decades, we've produced more than 9 billion tons of the stuff, most of which now clogs our landfills—or worse.

Too often, this plastic pollution ends up in our rivers, lakes and, ultimately, our oceans. Experts estimate that millions of tons of plastic enter the ocean every year, where it forms enormous garbage patches and harms and even kills wildlife.

What a waste

With millions of pieces of plastic floating in the water, it's easy for a bird, turtle or whale to mistake it for food.

It's a costly mistake. When animals eat plastic, it can block their digestive tracts—and they starve as a result.

This was the sad case of a pilot whale that died in June after swallowing more than 80 plastic bags. In all, experts found 17 pounds of plastic lodged in his stomach.

Wildlife over waste

Nothing we use for a few minutes should be allowed to pollute our rivers and oceans for hundreds of years.

Environment Massachusetts is calling for a statewide ban on one of the worst forms of plastic: polystyrene foam cups and containers, like the kind you get from restaurants and coffee shops.

This summer, we worked to educate business owners, decision-makers and all Bay Staters about the costs of plastic pollution. In all, more than 300,000 members and supporters



Jason Kam via Flickr, CC BY-ND 2.0

▲ *This is just the plastic pollution we can see. Scientists estimate that millions of pounds of plastic wash into our oceans every year.*

from across the country joined our national network in calling for bans.

Cities and communities are already starting to listen. Baltimore passed a ban on foam cups and containers in April, joining hundreds of other cities across the country that have taken action to ban single-use plastics like bags, straws and foam cups.

Companies are getting the message, too, as McDonald's and Dunkin' Donuts both pledged to replace foam cups and containers with 100 percent recycled materials by 2019.

With your support, we'll build on this momentum and convince more cities and, eventually, our state to choose wildlife over waste by banning single-use plastics.



Staff

Take action

We need your help to protect wildlife in our rivers, lakes and oceans from plastic pollution. Take action online to urge our leaders to ban foam cups and containers in Massachusetts.

www.EnvironmentMassachusetts.org

◀ *This summer, our national network organized beach and park cleanups across the country to raise awareness around plastic pollution.*



Staff

You make it possible

You care about clean air and water, a healthy climate, and all the places that make Massachusetts beautiful—and so do I. That's why I'm proud to share with you the work we accomplished over the summer.

Environment Massachusetts launched our new Wildlife Over Waste campaign to tackle the mountains of plastic trash produced each year by building public support for bans on items like plastic foam cups and containers.

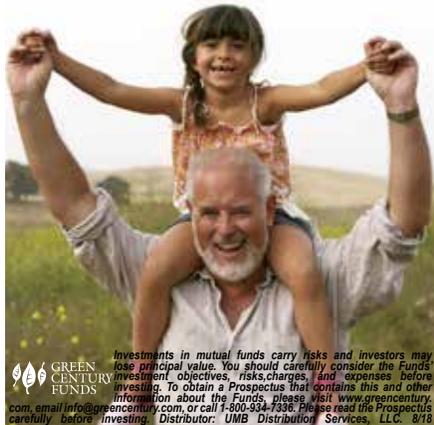
At the same time, we celebrated a decade of clean energy progress with the release of our sister organization Environment Massachusetts Research & Policy Center's new report showing the incredible advances states like Massachusetts have made on solar and wind power since 2008.

Thank you for making all this work possible with your action and support.

Ben Hellerstein
State Director

Invest fossil fuel free. Because her future matters.

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www.greencentury.com/myguide



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Action for our environment

How can you protect the jaguar's home?

Picture your high school's football field. Now picture 40 of them. That's how much tropical forest the world lost every minute during the past two years. It's a terrible blow to wildlife, as deforestation drives out rare and endangered species like jaguars and orangutans. But what can we do about it here in Massachusetts?

Many of these forests are being clear-cut or burned down to make way for palm oil and soybeans to be used in our everyday products and in farm animal feed. It's a terrible and tragic trade-off. What's more, as the preservation of tropical forests remains critical to slowing global warming, we know the stakes are even higher—for people as well as wildlife.

Environment Massachusetts is calling on U.S.-based agribusinesses like Cargill and Bunge to end their role in tropical deforestation. With your support, we can slow the loss of endangered species and the pace of climate change by saving the world's tropical forests.

Wrong way! EPA 'cited' on clean cars

Environment Massachusetts Research & Policy Center supporters delivered a clear message this summer: Stop going the wrong way on clean cars.

Transportation is now the largest contributor to global warming pollution and, if fully implemented, the federal fuel economy standards would go a long way toward limiting tailpipe emissions. Instead, the Trump administration took action in July to roll them back.

We rallied outside the Environmental Protection Agency to deliver a violation notice citing the agency for recklessly reversing progress and endangering health and safety. "No one wants more pollution and dirtier air," said Global Warming Campaign Director Andrea McGimsey. "But that's exactly what we'll get if the federal government scraps our clean car standards. We need to clean up our cars, not make a U-turn on the progress we can achieve."



TJ O'Neill/TJO Photography

▲ Environment Massachusetts Research & Policy Center supporters gave the EPA a citation for driving to endanger the planet when the agency announced it would roll back the clean car standards.

Renewables are rising in Massachusetts

Environment Massachusetts is working hard to make our state a leader in clean, renewable energy—and that work is paying off.

On July 31, the final day of the 2017–2018 legislative session, the House and Senate approved a bill that would increase the portion of Massachusetts’ electricity from renewable resources like solar and wind to 35 percent by 2030.

It would also expand energy storage, open the door to doubling our current offshore wind power commitments, and make it easier for residents and businesses to switch from oil and gas heating to renewable technologies.

We know we need to reach 100 percent renewable energy by 2050, and this bill doesn’t get us all the way there. But progress on clean energy tends to lead to more progress, and this is a solid step in the right direction.

600 percent increase

The last decade has seen explosive growth in the key technologies needed to power America with clean, renewable energy. “Renewables on the Rise,” a report released in July by Environment Massachusetts Research & Policy Center and Frontier Group, explores just how far we’ve come—and what steps we can take today to build a cleaner, greener future.

Today, our nation produces nearly six times as much renewable electricity from the sun and the wind as we did in 2008. That’s enough renewable energy to power more than 34 million homes, or roughly 1 in 4 homes across the country.

At the same time, the average American uses nearly 8 percent less energy than a decade ago, due largely to more energy efficient lighting, appliances and cars—even as our population grew by 20 million.

Of course, building an economy that relies on clean, renewable energy means ending

the use of fossil fuels for all activities, including transportation.

395,000 electric cars

More than 395,000 electric vehicles have been sold over the last decade. We saw sales surge by 24 percent in 2017 alone, fueled by lower prices, better performance, and a range of attractive and affordable new car models.

We know that repowering America with clean, renewable energy is essential to phasing out carbon pollution by 2050—a necessary step to prevent the worst impacts of global warming.

It will also improve our health by preventing harmful air pollution and eliminating the dangers of extracting, transporting, processing and burning fossil fuels.

Fortunately, Massachusetts has renewable energy resources vast enough to power the state several times over. When legislators return in January, Environment Massachusetts will push for more ambitious policies to move us toward a 100 percent renewable future.



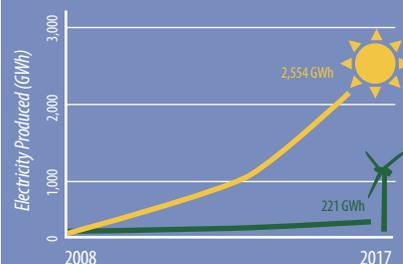
Explore more online

▲ *Environment Massachusetts State Director Ben Hellerstein (left) was joined by legislative leaders at a press conference to release “Renewables on the Rise.”*

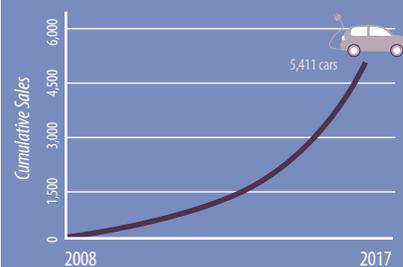
Read the full report at:
www.EnvironmentMassachusettsCenter.org

PROGRESS ON CLEAN ENERGY IN MASSACHUSETTS

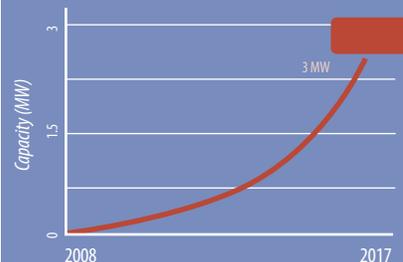
Growth of solar & wind energy



Growth in electric vehicle sales



Growth in battery storage



FROM 2008-2017

Solar growth: 247-fold
Wind growth: 55-fold
Electric vehicles: 5,411 sold
Utility battery storage: 3 MW

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Environment Massachusetts

Our mission

We all want clean air, clean water and open space. But it takes independent research and tough-minded advocacy to win concrete results for our environment, especially when powerful interests stand in the way of environmental progress.

That's the idea behind Environment Massachusetts, Incorporated, a project of Environment America, Inc. We focus on protecting Massachusetts' air, water and open space. We speak out and take action at the local, state and national levels to improve the quality of our environment and our lives.

Bus Stocker/Shutterstock



Why 219,000 said no to bee-killing 'neonics'

Every year, bee-killing neonicotinoid pesticides are used on millions of acres of farmland across the U.S.—but they don't stay there. Whether sprayed on crops or applied to seeds as a coating, recent studies show that neonics are drifting far beyond the field, even showing up in our rivers and lakes.

This is bad news for bees—and us, as we rely on bees to pollinate many of the world's most common crops. And as the pace of bee die-offs continues to accelerate, it's clear that urgent action is needed.

Environment Massachusetts supporters joined a coalition of food safety and environmental groups to deliver 219,000 public comments to the Environmental Protection Agency, calling for a ban on bee-killing pesticides. "Given the facts at hand about the harm neonics do to bees, the EPA should move quickly to ban these dangerous pesticides," said Steve Blackledge, senior campaign director. "We don't have time to wait."



Support our efforts

Support efforts to ban bee-killing pesticides.

Donate online at:
www.EnvironmentMassachusetts.org

◀ *Environment Massachusetts members and supporters were among the 219,000 public comments our coalition delivered calling for a ban on bee-killing neonicotinoid pesticides.*