

THE WHITE HOUSE

The Threat of Carbon Pollution: New York

We have a moral obligation to leave our children a planet that's not polluted or damaged, and by taking an all-of-the-above approach to develop homegrown energy and steady, responsible steps to cut carbon pollution, we can protect our kids' health and begin to slow the effects of climate change so we leave a cleaner, more stable environment for future generations. Climate change impacts including severe weather, asthma attacks, prolonged allergy seasons, and sea-level rise are affecting our security, our economy, and our communities. In 2012 alone, the cost of weather disasters exceeded \$110 billion in the United States, and climate change will only increase the frequency and intensity of these events. Today, we already set limits for arsenic, mercury and lead, but we impose no limits on how much carbon pollution our power plants release. Carbon pollution is contributing to a higher risk of asthma attacks and more frequent and severe storms, floods, heat waves, and wildfires, driving up food prices and threatening our communities. The President's plan is a comprehensive approach to cutting the pollution that causes climate change and threatens public health, setting us on a path to make our communities healthier, safer, and more resilient.

THE IMPACT OF POLLUTION AND EXTREME WEATHER IN NEW YORK

In 2011, power plants and other major industrial facilities in New York emitted more than 48 million metric tons of carbon pollution—that's equal to the yearly pollution from more than 10 million cars.

Recent incidents provide a reminder of the impacts to our public health and costs due to extreme weather in New York. Although we cannot say that climate change is responsible for any individual event, climate change is already increasing our risks from these events.

- Superstorm Sandy devastated New York City and the New York coastline in 2012, impacting much of Manhattan, devastating Staten Island and severely damaging or destroying 100,000 homes on Long Island, 2,000 of which were deemed uninhabitable. In New York City alone, 6500 patients were evacuated from hospitals and nearly 2 million people were left without power. Rebuilding and recovery will cost tens of billions of dollars, with \$50 billion already allocated through the Disaster Relief Appropriations Act of 2013.
- In New York, there were over 37,800 hospital admissions for asthma in 2011, with an average charge of over \$17,900 for each.
- In 2009, there were 961 emergency room visits in New York due to heat stress.

ANTICIPATED CLIMATE-RELATED RISKS IN THE NORTHEAST

Northeast states can expect more climate change related heat waves – with significantly more days above 90°F – and flooding from sea level rise and extreme precipitation events. Even low-end projections anticipate that historical 100-year coastal floods will happen as often as every 22 years by the end of the century. There is \$2.3 trillion of insured coastal property at risk in New York state alone. Northeasterners are already experiencing increased heavy precipitation. Extreme heat and declining air quality are expected to increase risk associated with respiratory problems and heat stress, both of which pose increasing problems for human health, especially in urban areas, and can result in increased hospitalizations and even premature death. Rising temperatures and carbon dioxide concentration increase pollen production and prolong the pollen season, increasing health

risks for people with allergies. Agricultural production, including dairy, fruit, and maple syrup, are likely to be adversely affected as favorable climates shift, while the center of lobster fisheries is projected to continue its northward shift and the cod fishery on Georges Bank is likely to be diminished.

CUTTING CARBON POLLUTION AND INCREASING RESILIENCE IN NEW YORK

Climate change is a long-term problem, but we can make substantial progress through a series of steady and responsible steps. President Obama's plan builds from progress already underway to work with states, local communities, and the private sector to reduce carbon pollution and to prepare our Nation for the impacts that cannot be avoided. Since 2009, President Obama has taken a number of common sense measures to combat carbon pollution, including:

- ***Investing in Clean Energy:*** During the President's first term, the United States more than doubled its use of renewable energy from wind, solar, and geothermal sources. In New York, renewable energy generation from these sources increased 60 percent. Since 2009, the Administration has supported tens of thousands of renewable energy projects throughout the country, including more than 1,000 in New York, generating enough energy to power nearly 200,000 homes and helping New York meet its own goal of generating 29 percent of its electricity from renewable energy sources by 2015.

- ***Improving Efficiency:*** Using less energy to power our homes, businesses and vehicles is critical to building a clean and secure energy future. President Obama has made essential investments in research and development for energy efficiency advances, and set new standards to make the things we use every day – from cars to microwaves – more efficient.
 - President Obama established the toughest fuel economy standards for passenger vehicles in U.S. history. These standards will double the fuel efficiency of our cars and trucks by 2025, saving the average driver more than \$8,000 over the lifetime of a 2025 vehicle and cutting carbon pollution.

 - Since October 2009, the Department of Energy and the Department of Housing and Urban Development have jointly completed energy upgrades in more than one million homes across the country, saving many families more than \$400 on their heating and cooling bills in the first year alone.

 - As part of the President's Better Buildings Challenge, Rochester, NY committed to reduce energy intensity 20 percent by 2020 in 4 million square feet of city-owned buildings. The town of Huntington committed to the same goal and has installed energy efficient street lighting fixtures and implemented a suite of upgrades to the Huntington Town Hall, its flagship municipal facility.

- ***Preparing Communities for the Consequences of Climate Change:*** The Obama Administration has worked since its earliest days to strengthen the Nation's resilience to climate change impacts, including investing in critical science and tools, developing the first-ever Federal agency climate adaptation plans, and directly partnering with communities. For example, with support from Centers for Disease Control and Prevention, the New York State health department is studying the shifting locations of disease carrying ticks, which are spreading to new areas as temperatures increase, and providing local health professionals with guidance on reducing the risk of Lyme disease.