



Carbon Pollution: A Game Changer for America's Hunting and Fishing Heritage

CLIMATE CHANGE

Carbon pollution from coal-burning power plants, refineries, and vehicles is causing worldwide climate change. America's wildlife is threatened by these assaults unknown until modern times. Fish are disappearing from lakes and streams, big game populations are being pushed out of their historic range, and duck wetland habitats are vanishing. From sea level to the highest mountain peaks, entire ecosystems are in retreat.

Changes from carbon pollution are leading to direct habitat loss as well as more insidious changes, such as decreases in snowpack that result in a massive loss of fish spawning sites and increased summertime temperatures that will change the wildlife communities of forests and streams forever. Many wildlife species are struggling to adapt. Some never will.

In a single generation, the future of fish and game is changing. Scientists predict that rising global temperatures could move 30% of all plant and wildlife species toward extinction in the lifetime of a child born today.¹ Taking action to reduce carbon pollution and confront our climate crisis will greatly benefit wildlife and our outdoor heritage.

America has a choice: Clean air, clean water, and healthy wildlife populations, or a polluted future where the only winners are special interests. This nation's core of conservationists, hunters, and anglers has a proud legacy of working to protect wildlife and must continue to do so as our world warms.

THE CLEAN AIR ACT WORKS

Passed by Congress with overwhelming bi-partisan support 40 years ago, the Clean Air Act has been one of the starting points for our country's proud legacy of environmental protection. This act has a strong and proven track record of protecting our lakes, forests, wildlife, national parks, and other natural treasures from the devastating impacts of air pollution while allowing our economy to prosper.

Modern threats of carbon pollution will change the game for American hunters and anglers. The Clean Air Act is a critical tool that we need available to significantly reduce this carbon pollution that is wreaking havoc on wildlife.

Now, the Environmental Protection Agency (EPA) plans to update the nation's pollution standards to address the wildlife impacts caused by the carbon pollution that leads to climate change. It is essential that EPA move forward on this important work to protect wildlife and our outdoor heritage from the worst effects of a climate change.

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Wisconsin: Wildlife Icons at Risk

Carbon pollution from coal-burning power plants is causing world-wide climate change. In Wisconsin, climate change will include higher annual average temperatures, increased year round precipitation, more frequent heat waves, and a decrease in lake ice, including ice on the Great Lakes.² Changes in the earth's climate directly threaten two pastimes treasured in Wisconsin and across our nation – recreational fishing and hunting.

In 2006, over 1,394,000 anglers and 697,000 hunters came to Wisconsin to hunt and fish on its lands and waters. Fishing and hunting are not just recreational pastimes; they are also a major contributor to the Wisconsin economy. These 2.1 million sportsmen and women in Wisconsin generated over \$2.9 billion in revenue in that year alone.³ However, this rich community of fish and game, and the economy that depends on it, is at risk from a warming world.



Loon

Few birds have a call as recognizable as the tremulous call of the common loon. Northern lakes are getting quieter, however. Changes in precipitation patterns and increased temperatures due to climate change are altering the water quality of many lakes in Wisconsin. In recent years, these alterations in lake quality are causing toxic algal blooms to develop, killing thousands of loons as a result. Cloudier lakes are causing loons to venture further north in search of cleaner and clearer lakes better suited for fishing. As climate change becomes more severe, Wisconsin residents may have to go elsewhere to hear the once common call of the loon.

Walleye

Few fish have such a rabid fan base as the cool-water-loving walleye. Walleye are targeted by anglers who chase these toothy predators year-round – in rivers and lakes, from boats and shore, and even through the ice. A warming climate is literally changing the world around the walleye. Warming lakes are decimating populations of ciscos, a major prey item for walleye. Researchers also have concerns that a warming climate is allowing fish not native to walleye waters to expand their range and compete with walleye for food sources.



For American hunters, anglers, and conservationists healthy populations of wildlife are necessary to support our economy and outdoor heritage. It remains critical to speak up for Wisconsin's iconic species and encourage the Environmental Protection Agency to update the nation's pollution standards.

The EPA must carry out its legal obligation to control carbon pollution that causes climate change from our country's biggest polluters and Congress must oppose all attempts to undermine Clean Air Act programs.

For more information visit the full report: www.nwf.org/gamechangers
Act to protect wildlife from climate change: www.nwf.org/cleanair

¹ Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the IPCC

² Global Climate Change Impacts in the United States. <http://downloads.globalchange.gov/usimpacts/pdfs/midwest.pdf>

³ U.S. Department of the Interior, Fish and Wildlife Service, and U.S. Department of Commerce, U.S. Census Bureau. 2006 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation - Wisconsin.