


WHAT CAN YOU DO?

- Inform yourself and others. For more information on climate change and national parks, visit EPA's website at www.epa.gov/globalwarming; and click on "impacts." Or call EPA's National Service Center for Environmental Publications (NSCEP) t 1-800-490-9198 and ask for information on climate change and how it affects wildlife, forestry, and/o sea level rise.

Encourage more research. If you work for an organization that camies out related scientific suddies, suggest induding a climate change component to the research.
Reduce greenhouse gases. Use a more fuel-efficient (or non-motorized) mode f transportation. Cappool. Purchase ectronic devices and appliances with the ENERGY STAR' label. Plant trees.

## BEPA

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Thousands of scientists predict that the earth's climate will change because human activities are altering the chemical composition of the atmosphere through the buildup of greenhouse gases. The heat-trapping property of such gases as carbon dioxide, methane, nitrous oxide, and chloroflurocarbons is undisputed. Greenhouse gases are released into the atmos phere in large quantities by motorized vehicles, utilities, facto ies, appliances, and landfills.

Although there is uncertainty about exactly how and when the earth's climate will respond to higher concentrations of greenhouse gases, observations indicate that detectable changes ar underway. Temperatures will most likely rise by an average of 2 to $6^{\circ} \mathrm{F}$ over the next century, along with measurable changes in precipitation, soil moisture, and sea level. All of these changes could have adverse effects on many ecological sysems, as well as on human health and the economy.


America's national parks were established to preserve valuable natural resources while providing environmentally diverse settings for recreation. They were intended for use by Americans of all generations to come But these natural treasures may be at risk from global climate change if we do nothing to address the problem. Other public lands, such as national seashores, national forests, wildlife refuges, and Bureau of Land Management lands also could be affected.
Global warming could have numerous impacts on wildlife and their habitat on public lands and the waters that flow through those lands. Many inland may become too warm for the fish and may become too warm ther the aquatic species that currently inhabit them.

Climate change also may contribute to a loss of wetlands, beaches, and to a loss of wetlands, beaches, and other habitat. As the oceans warm,
the sea level rises and erosion of beaches and wetlands during storms beaches and wetlands during storms
increases. Such national park units as Padre Island, Assateague Island, Fire Padre island, Assateague island, Fire
Island, Cape Hatteras, and Cape Cod could be affected by sea level rise.

States in coastal areas that cannot enact land use planning may find that wetlands and other coastal ecosystems cannot migrate inland as the sea rises. Critical wetlands in wildlife refuges and other public lands could be lost as a result.

## $2=40$




Reductions in tundra and related ecosystems also would mean the loss of mammal and migratory waterfowl habitats. In addition, Alaska's native Coho, sockeye, and chinook salmon found in Glacier Bay, Katmai, and Wrangell-St. Elias national parks may be affected by the warming of lakes and rivers.

Saltwater already has intruded 5 miles into Everglades National Park from Florida Bay. Increased salinity resulting from sea level rise could damage fresh water ecosystems in the Everglades that provide important habitat for birds, fish, and other wildlife. Freshwater wetlands such as sawgrass, slough, and wet prairie, which are important foraging habitat for wading rids and other wilduife, would decrease in area. These habitat changes could increase pressures on panther, Key deer, American crocodile, and the Everglades mink.

Without the promise of a stable climate, the history, heritage, wilderness, and the history, henitage, wilderness, and beauty preserved by Amenca's public
lands are at risk. Climate change could lands are at nisk. Climate change could
increase the possibility of drought and increase the possibitity of drought and of edible nuts for grizzlies in
Yellowstone Park. Fires and flooding also could change the composition of Yellowstone and many other of our nation's celebrated landscapes.


