



Infographic

Policy Proposed in the NDC by Sector

EWELINA CZAPLA | JULY 29, 2021

The Biden Administration submitted its [Nationally Determined Contribution](#) (NDC) to the United Nations in April to assert how the United States would reduce its greenhouse gas emissions to comply with the Paris Agreement.

POLICY PROPOSED IN THE NDC BY SECTOR

GOAL

50-52 percent economy-wide reduction of net greenhouse gas emissions below 2005 levels by 2030

ELECTRICITY

CURRENTLY 25% OF U.S. EMISSIONS

PROPOSALS:

- Produce carbon pollution-free electricity by 2035 using existing nuclear and renewable resources and carbon-intensive power plants retrofitted with carbon capture
- Support research, development, demonstration (RDD), commercialization, and deployment of software and hardware to support a carbon pollution-free, resilient, reliable, and affordable electricity system

BUILDINGS

CURRENTLY 13% OF U.S. EMISSIONS

PROPOSALS:

- Support energy efficiency and efficient electric heating and cooking in buildings via funding for retrofit programs, wider use of heat pumps and induction stoves, and adoption of modern energy codes for new buildings
- Invest in new technologies to reduce emissions

AGRICULTURE

CURRENTLY 10% OF U.S. EMISSIONS

PROPOSALS:

- Support scaling of climate smart agricultural practices, reforestation, rotational grazing, and nutrient management practices
- Invest in forest protection and forest management
- Support nature-based coastal resilience projects as well as efforts to increase sequestration in waterways and oceans by pursuing “blue carbon”

TRANSPORTATION

CURRENTLY 29% OF U.S. EMISSIONS

PROPOSALS:

- Mandate tailpipe emissions and efficiency standards
- Create incentives for zero-emission personal vehicles
- Fund charging infrastructure to support multi-unit dwellings, public charging, and long-distance travel
- Support RDD efforts to enable advances in very low carbon new-generation renewable fuels
- Invest in a wider array of transportation infrastructure to reduce the need for vehicle miles traveled

INDUSTRY

CURRENTLY 23% OF U.S. EMISSIONS

PROPOSALS:

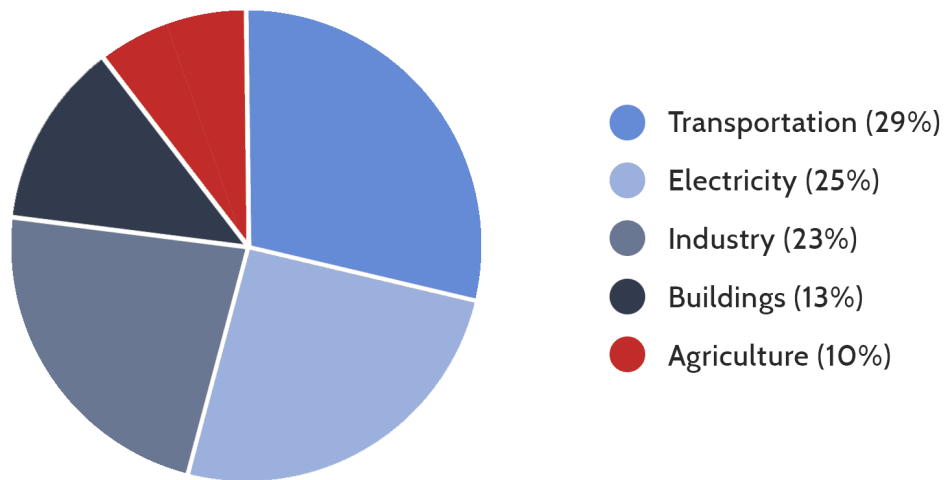
- Support RDD and commercialization of very low- and zero-carbon industrial processes and products

NON-CO2 EMISSIONS

PROPOSALS:

- Phase down the use of hydrofluorocarbons
- Update standards and invest in plugging leaks from wells and mines to reduce methane emissions
- Create programs and incentives to improve agricultural productivity through practices and technologies that reduce

2019 U.S. GREENHOUSE GAS EMISSIONS BY ECONOMIC SECTOR



Source: Greenhouse Gas Inventory Data Explorer.
<https://cfpub.epa.gov/ghgdata/inventoryexplorer/#allsectors/allsectors/allgas/econsect/current>