Agriculture and the Climate Change Discussion

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Total U.S. Greenhouse Gas Emissions by Economic Sector

1990 to 2019 in CO2 Equivalents



AMERICAN FARM BUREAU FEDERATION*

Source: Environmental Protection Agency, Farm Bureau Calculations



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Source: Environmental Protection Agency, Farm Bureau Calculations

Animal Agriculture's Role in U.S. Greenhouse Gas Emissions is Less than 3%





Source: Environmental Protection Agency, Farm Bureau Calculations

Ag Innovation Provided An Opportunity for Livestock to Get Better & Lower GHG Footprint -8%



AMERICAN FARM BUREAU FEDERATION*

Livestock production has increased while we have reduced our per-unit emissions in the last 30 years.

U.S. Pork Production











Farmers Today Do More With Fewer Acres

Harvested Acres Needed to Produce the 2018 Crop, 1990 and 2018





Source: USDA NASS, Farm Bureau Calculations



Farmers Are Providing More Clean & Renewable Energy 3/

U.S. farmers and ranchers are adopting and investing in **RENEWABLE AND CLEAN ENERGY**

sources. In the last five years, farmers and ranchers have put in **132%** more renewable energy sources including geothermal, solar panels, windmills, hydro systems and methane digesters. More than 130,000 operations employ renewable energy sources.



The use of **ETHANOL AND BIODIESEL** in 2018 reduced GHG emissions by 71 MMT– equivalent to **17 MILLION CARS** off the road.



>15% Of All Farmland Is Used For Conservation & Wildlife Habitat Efforts 3/4/ +140,000,000 Acres*



Total acres U.S. farmers have enrolled in certain USDA conservation programs. **Equal to the total land area of California & New York.** This does not include millions of acres in voluntary- or state-led conservation practices.

*Includes CRP, CSP, EQIP and VPA-HIP active and completed contracts through fiscal years 2017



3/ United States Department of Agriculture's National Agricultural Statistics Service Census of Agriculture

4/ United States Department of Agriculture's Natural Resources Conservation Service

Food and Agriculture Climate Alliance

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