



Environmental Benefits of Clean Energy

Clean energy promotes a **cleaner, more sustainable future for our planet** by mitigating the environmental and public health impacts of fossil fuel power plants. Our nation awaits the continued **powerful, diverse benefits for all.**



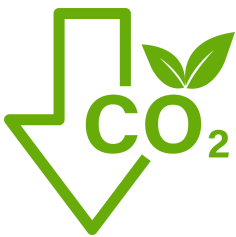
Improves air quality

Clean energy reduces reliance on fossil fuels and **prevents harmful toxins from being released into our air and water**, helping to mitigate widespread environmental and health concerns.



Saves Water

Unlike coal and natural gas power plants, clean energy does not require large amounts of water for cooling. In 2021 alone, clean energy helped **save more than 218 billion gallons of water!**²



Reduces Carbon Emissions

Clean energy has helped avoid more than **435.5 MILLION metric tons of carbon emissions** from fossil power plants in the U.S. That is the same as taking more than **94.6 MILLION cars off the road!**²



Improves Soil Health

Solar panels provide shade that reduces soil temperature and water evaporation rates, **improving moisture retention and reducing erosion.**¹ Wind turbines increase air flow around the soil, **drawing out carbon dioxide that crops use for photosynthesis.**³

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1. "Photovoltaics & Farmland: How Solar Power Enhances Rural Ecosystems." ACP, American Clean Power Association, Feb. 2023, https://cleanpower.org/wp-content/uploads/2023/03/ACP_Solar_and_Farmland.pdf.

2. "Renewable Energy State-by-State Fact Sheets." ACP, American Clean Power Association, 16 Feb. 2023, <https://cleanpower.org/facts/state-fact-sheets/>.

3. Takle, Gene. "Wind Farms Impact Crops." AgUpdate, 1 Apr. 2018, https://www.agupdate.com/agriview/news/crop/wind-farms-impact-crops/article_bb057e6c-e58b-5990-b4d5-62640803121f.html.