CLEAN ENERGY CREDIT UNION

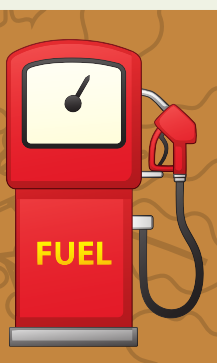
What Does One Million Tons of Carbon Look like?

This is Equivalent to the Emissions from **9.6 Gas-Fired Power Plants** running for one year.

- In 2022, the average natural gas-fired power plant emitted 382,205 metric tons of CO_2 annually (EPA 2024).
- With over 1,600 natural gas plants operating in the U.S., replacing fossil fuel-based power with renewable energy is critical for reducing emissions.

This is Equivalent to the Emissions from **412,587,675 Gallons of Gasoline Consumed**

- Each gallon of gasoline burned emits 8,887 grams (0.0089 metric tons) of CO_2 (EPA 2010).
- Offsetting this amount of gasoline emissions would remove the equivalent of nearly 413 million gallons of fossil fuels from the road.



This is Equivalent to the Emissions from **4,072,987,955 Pounds of Coal Burned**

- Each pound of coal burned emits 0.0009 metric tons of CO_2.
- This offset is equivalent to eliminating nearly 4.1 billion pounds of coal from U.S. electricity generation.

This is Equivalent to **3,677,883 Acres of U.S. Forests Sequestering CO_2 for One Year**

- Forests naturally remove CO_2 through photosynthesis, with each acre sequestering 0.27 metric tons of CO_2 annually (EPA 2024).
- This offset is like harnessing the power of nearly 3.7 million acres of U.S. forests to absorb carbon.

This is Equivalent to **296,438,169,243 Smartphones Charged**

- Charging a single smartphone for 24 hours emits 0.0000124 metric tons of CO_2 due to electricity generation (EPA 2024).
- Offsetting 1 million metric tons of CO_2 is like avoiding the emissions from charging nearly 300 billion smartphones.

Learn more about how you can support carbon reduction efforts at Clean Energy Credit Union.

Clean Energy Credit Union calculates its carbon offsets based on a study commissioned by the Climate Action Reserve. The study evaluates each clean energy loan type and assigns a specific offset value. We update these calculations monthly, reflecting the impact of our current loan portfolio and demonstrating ongoing carbon offset progress. The metrics above are equivalent to 1 Million tons of Carbon Offset based on the EPA's carbon offset calculator.