DELAWARE'S Climate Action Plan

GREENHOUSE GAS EMISSIONS REDUCTION POTENTIAL

What is $MTCO_2e$?

METRIC TONS OF CARBON DIOXIDE EQUIVALENT

Each greenhouse gas (GHG) has a different ability to trap heat in the atmosphere. We can compare each GHG's heat-trapping ability to that of the GHG carbon dioxide (CO_2). This is called the CO_2 equivalent (CO_2e) and allows us to use a single measure to calculate all GHG emissions: metric tons of CO_2e ($MTCO_2e$).

CO-BENEFITS

- IMPROVED AIR QUALITY
- JOB CREATION
- COST SAVINGS
- ENERGY RESILIENCE
- ENHANCED MOBILITY

The values on top of each bar indicate the **2050 GHG emissions reduction potential** for implementing that strategy. Reduction potential values come from GHG modeling carried out in the summer of 2020, taking into account market feasibility for the earliest time each strategy could be put into place.

What does it mean?

4,333,200 $MTCO_2e$
GHG reduction potential

Renewable Energy

Installation of on-site renewable energy at homes and businesses

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More renewables in the grid

1,184,500 $MTCO_2e$
GHG reduction potential

Zero-Emission Vehicles

More electric, plug-in hybrid and fuel cell vehicles available

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More charging infrastructure

Vehicle purchase incentives

732,200 $MTCO_2e$
GHG reduction potential

Building Energy Efficiency

Higher standards for energy performance

Buildings cost less to operate

More financial incentives available to implement upgrades

649,800 $MTCO_2e$
GHG reduction potential

Fuel and Roadway Efficiency

More efficient, cleaner running vehicles

More options to get around without a car

More walking and biking opportunities

545,700 $MTCO_2e$
GHG reduction potential

Building Electrification

Buildings increasingly rely on electricity for all energy uses to maximize renewable benefits

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Options for homes and businesses to upgrade building systems

211,400 $MTCO_2e$
GHG reduction potential

Waste Diversion and Reduction

Increased options to divert waste through recycling and composting

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Encourage the principles of "reduce, reuse, recycle (or compost)"