INCREASE THE AMOUNT OF RENEWABLE ENERGY IN THE ELECTRIC GRID

Greenhouse gas emissions from electricity generation are mostly due to burning fossil fuels, such as coal and natural gas. By increasing the amount of renewable energy we use, we can reduce our overall greenhouse gas emissions.

1.39 MILLION METRIC TONS OF CO2 EQUIVALENT

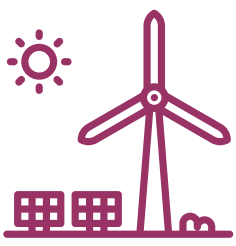
This is the amount of greenhouse gases we can expect to reduce by increasing the mix of renewable energy sources powering our grid.

13% OF OUR GOAL

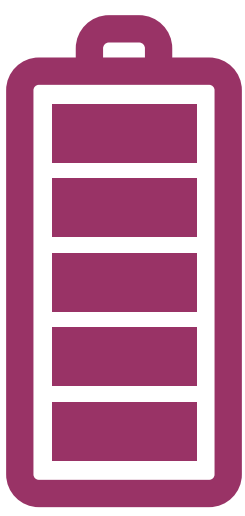
Using more renewable energy sources could help us achieve 13% of the emissions reductions needed to meet our 2050 carbon neutrality goal.

HOW WE'RE GETTING IT DONE

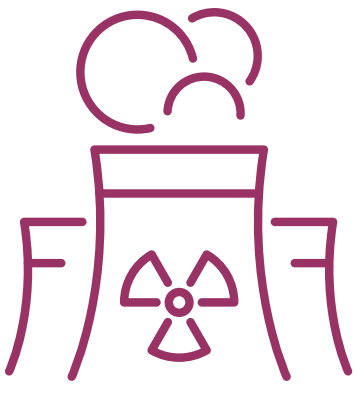
- Develop large grid-scale renewable energy
- Develop grid storage technologies
- Maintain nuclear generation at current levels



Develop offsite renewable energy sources like solar, wind, and hydroelectric tech.



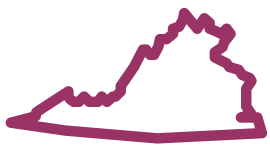
Develop grid-scale battery storage and other storage systems for energy generated by renewable sources.



Nuclear power plants currently fuel 30% of electricity generated in Virginia. Nuclear is the primary non-fossil fuel source of electricity in the state.

Nuclear power is a critical component of Virginia's low-carbon electricity generation.

VIRGINIA CLEAN ECONOMY ACT



The VCEA establishes 100% clean energy targets for the state's largest utilities by 2050, and by 2045 for most of Fairfax County.

REGIONAL GREENHOUSE GAS INITIATIVE

RGGI is a partnership of states designed to cap and reduce carbon emissions from fossil fuel-fired power plants by putting a price on carbon emissions.

A publication of Fairfax County, VA

CECAP Community-wide Energy and Climate Action Plan

OEEC