

# THREE BOLD GOALS

**Learn about DOE's vision to create a cleaner and more sustainable future!**

## Efficient Buildings

Goal: Increase facility energy efficiency and achieve a net zero buildings portfolio by 2045.



## Carbon Pollution-Free (CFE) Electricity

Goal: 100% CFE on a net annual basis by 2030, including 50% on a 24/7 basis.



## Zero Emissions Vehicles (ZEV)

Goal: 100% ZEV acquisitions by 2035, including 100% light-duty by 2027.





# Efficient Buildings

**Goal: Increase facility energy efficiency and achieve a net zero buildings portfolio by 2045**



DOE will optimize its footprint by increasing building efficiency and transitioning to clean energy sources.

## Accomplishments

- DOE reduced its energy use intensity in goal subject buildings by 44.6% from the 2003 statutory baseline.
- DOE reduced its GHG emissions by 55.5% from the 2008 executive order baseline.

## DOE's Next Steps

- Integrate building electrification requirements into Departmental Orders to transition away from fossil-based building operations.
- Identify candidate buildings for electrification and opportunities to increase energy efficiency.
- Leverage performance contracts to identify and implement energy conservation projects.

# Carbon-Pollution Free Electricity

**Goal: 100% CFE  
on a Net Annual  
Basis by 2030,  
including 50%  
on a 24/7 Basis**



CFE is electricity produced from resources that generate no carbon emissions such as wind, solar, nuclear, or fossil with carbon capture.

## Accomplishments

- In 2022, the Secretary signed DOE's CFE Roadmap establishing goals and Departmental CFE actions.
- DOE Programs developed aggressive program specific CFE implementation plans.
- DOE initiated procurement pilots and established a CFE Community of Practice to help contracting officers use DOE's purchasing power to cost-effectively achieve CFE goals.

## DOE's Next Steps

- Lead CFE pilots with National Renewable Energy Laboratory and Xcel Energy in Colorado and Oak Ridge National Laboratory/Y-12 and Tennessee Valley Authority in Tennessee.
- Deploy small and commercial scale CFE projects across the complex and more than quadruple onsite CFE generation.



# Zero Emission Vehicles

**Goal: 100% ZEV  
acquisitions by  
2035, including  
100% light-duty by  
2027**



Zero Emission Vehicles (ZEV) are vehicles that generate no carbon emissions when driven.

## Accomplishments

- As of March 2023, 48% of light duty vehicle orders were ZEVs.
- Sites throughout DOE, including HQ, have installed electric vehicle (EV) chargers for employee use.

## DOE's Next Steps

- Order an additional 450 light duty ZEVs and install an additional 650 charging ports through 2024.





# What You Can Do



1

On the job, identify opportunities to transform how we build, buy, and manage electricity, vehicles, buildings, and other DOE operations.

2

While in the office, save energy by taking the stairs and powering off lights and electronics when not in use.

3

At home, investigate options for residential solar photovoltaic systems or procure clean power through your utility provider.

4

Take advantage of tax credits on new EV or e-bike purchases or commit to sustainable commuting by walking, biking, or taking public transit.

