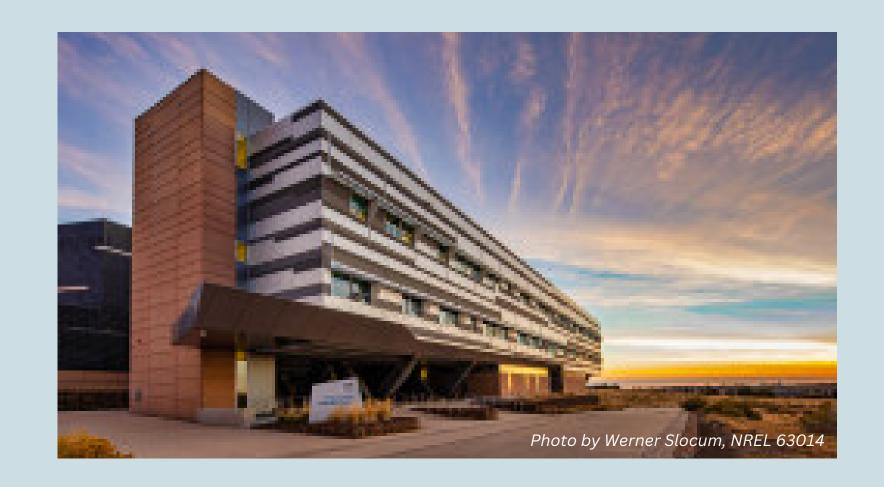
### THREE BOLD GOALS

## 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



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

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



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

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