# Building the Clean Energy Economy Through the Federal Budget

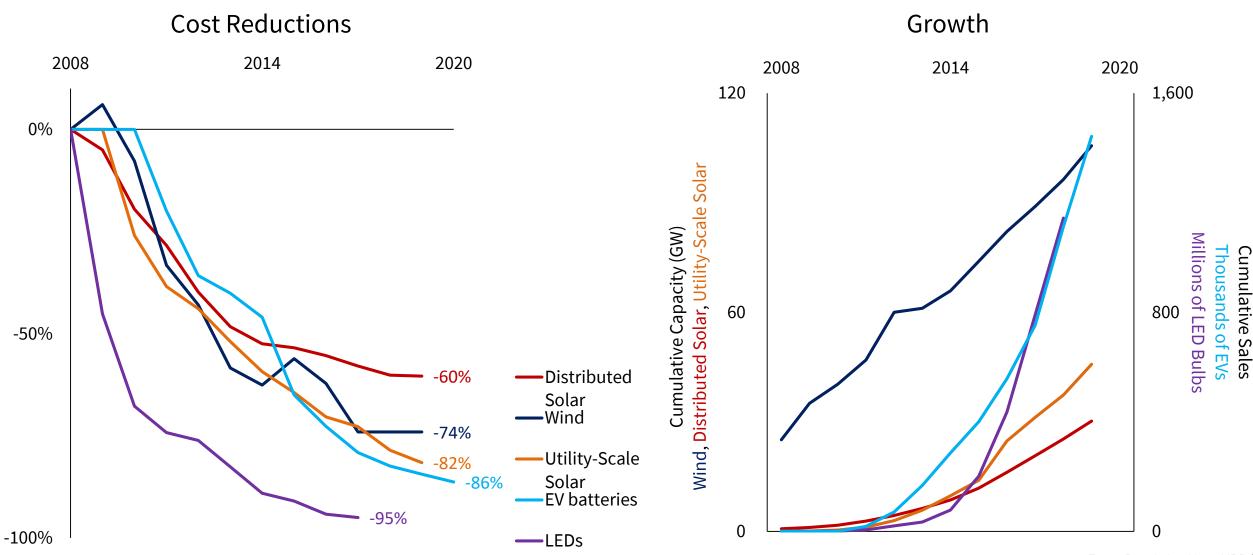


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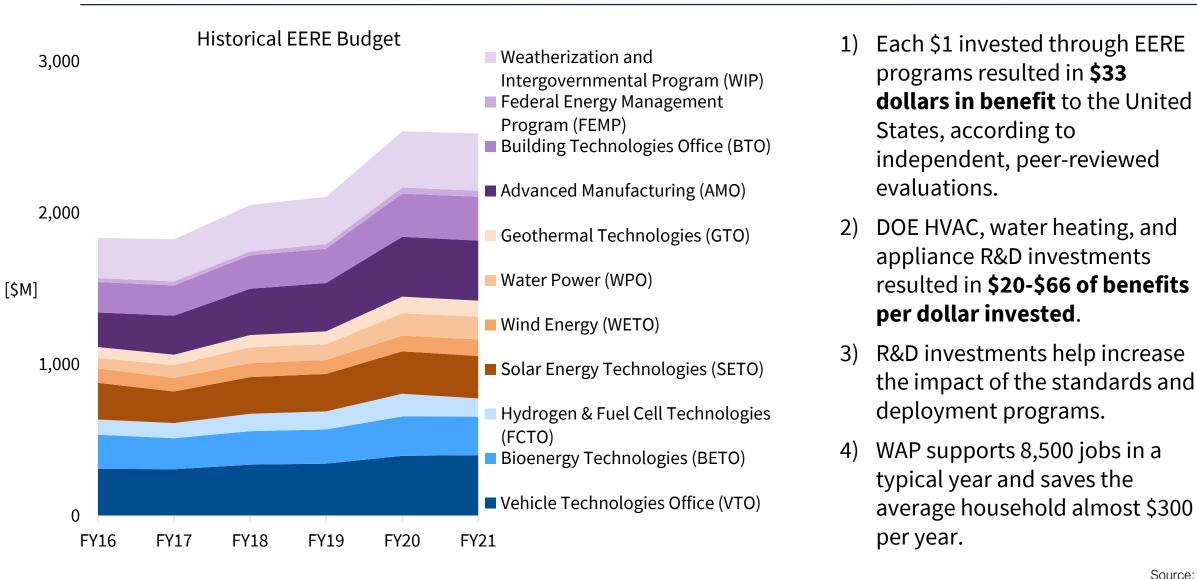
#### Making the Case for Bold Increases in DOE's Clean Energy Budget

- 1) Federal Investments Have Helped Drive Clean Energy Growth
- 2) DOE Programs are Underfunded Relative to the Need
- 3) The Time is Ripe for Significant Expansion of the DOE Budget

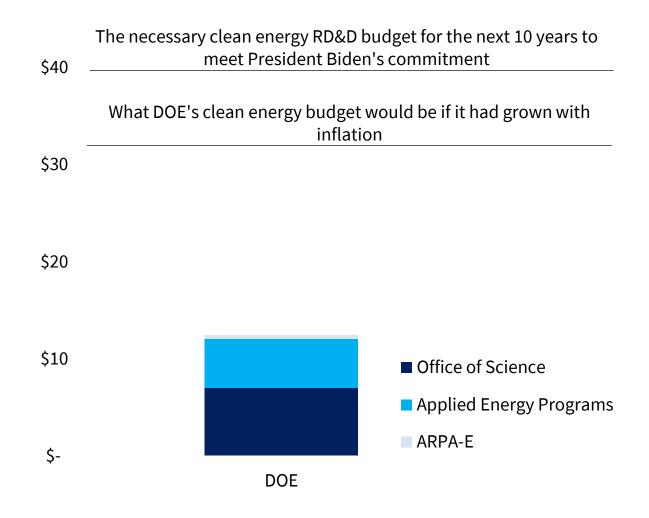
### **Clean Energy Success Stories**



## Looking Back at DOE's Budget



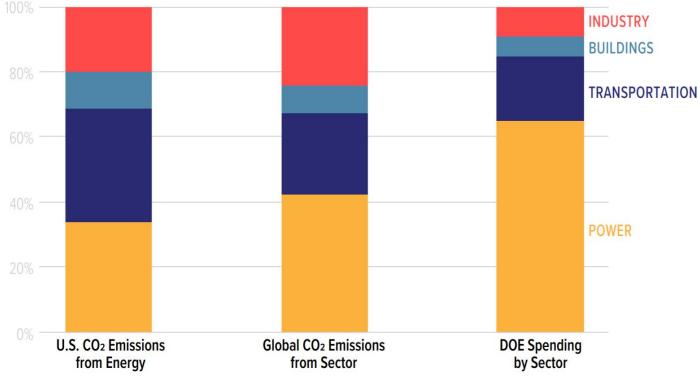
### **DOE Programs Are Underfunded**



- 1) If DOE's clean energy budget had increased with inflation, **it would be \$32 billion**, instead of \$9 billion today.
- Existing programs could support far more qualified applicants. For example, a recent funding opportunity could only support 4 percent of applicants (<u>link</u>).
- Deployment and equity programs are especially underfunded. At current funding, WAP will only retrofit 150,000 homes over four years (out of 40 million eligible).
- 4) States and cities are critical to addressing the climate crisis but are often limited by funding to do this work. DOE can help expand local and state efforts with a greater budget.

### **Buildings, Industry, and Transportation Are Particularly Underfunded**

#### FIGURE 2.2 Comparison between GHG emissions and DOE spending by sector.



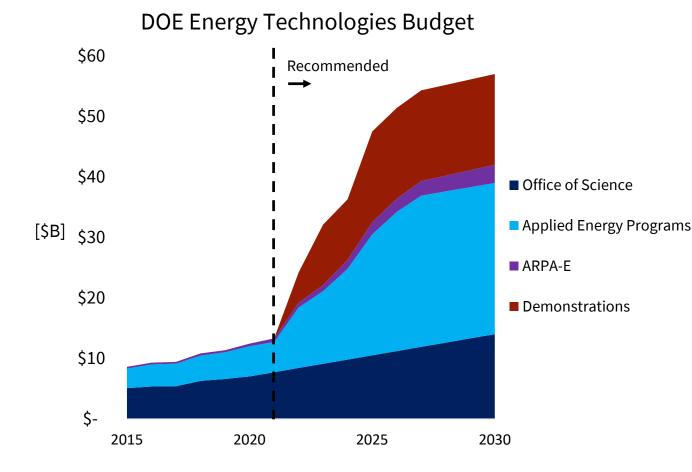
Greater funding for energy efficiency and efficient electrification is needed to balance the portfolio.

Sources: 2018 U.S. CO, Emissions, 2017 Global CO, Emissions, FY19 DOE Appropriations

A Progressive Climate Innovation Agenda, Data For Progress

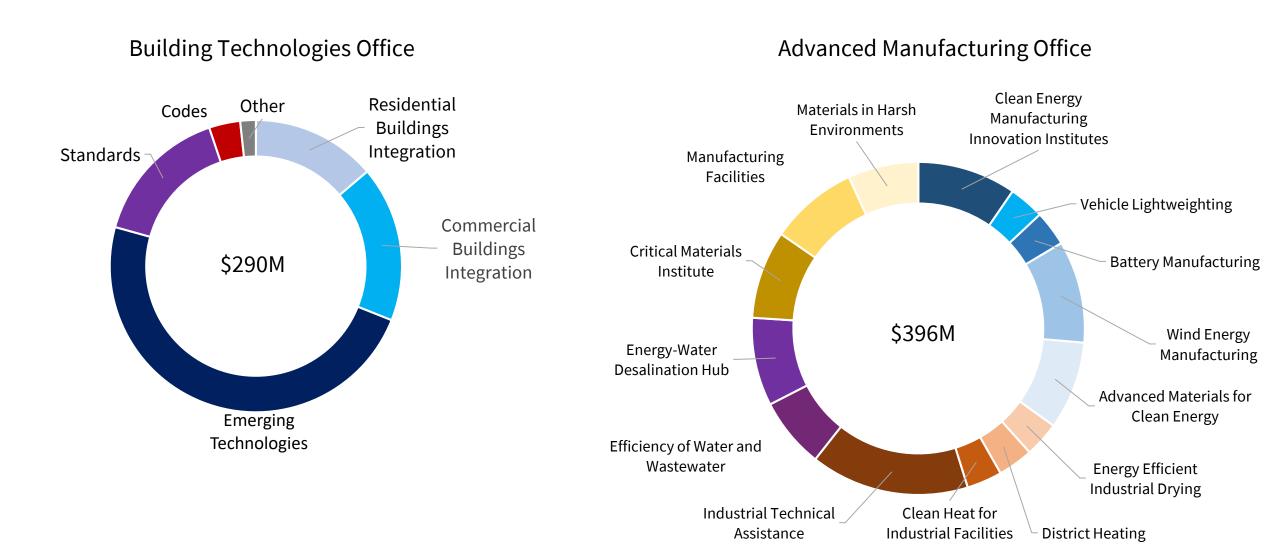
<sup>\*</sup>GHG emissions exclude agriculture and "other"

### The Time is Ripe for Bold Investments



- 1) The recommendation shows the kind of increases we need to achieve a \$400B investment over 10 years.
- 2) There is a major opportunity for BOTH stimulus funding AND expansion of DOE's budget to provide long-term, consistent support to bring the benefits of energy efficiency and clean energy to more people.
- 3) EERE—and in particular the buildings, industry, and transportation offices needs a much larger annual budget to take advantage of the opportunities.

### **Opportunities: BTO and AMO**



#### **Opportunities: Assistance to State, Tribal, and Local Governments**

#### 1) Weatherization Assistance Program (\$315M in FY21):

- Consistent, long-term budgets will help grow and maintain the workforce and bring the benefits of healthy, efficient homes to more people.
- WAP needs an increase to consistent funding of \$1-\$2 billion per year.

#### 2) State Energy Program (\$62.5M in FY21):

- SEP is a highly effective program that supports state clean energy efforts, leverages private finance to expand the impact of federal spending, and results in \$7 of savings for every dollar invested.
- The program's budget is too small to support the great work that states want to do and should increase to \$1-\$2 billion per year in the next few years.

#### 3) Convening, Funding, and Technical Assistance for Local and Tribal Governments and Partners:

• There's an enormous opportunity for EERE to support local governments in advancing energy efficiency, clean & efficient transportation systems, distributed clean energy, workforce development, and more.

### **Opportunities: Funding for Equity, Justice, and Workforce Development**



#### EQUITY.

Does it combat the historically unequal impacts of pollution, while increasing equitable access to new economic opportunity, improved public health, and resilience?

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- 1) Funding for analysis, tool development, and community engagement to incorporate equity, environmental and energy justice, and strong workforce standards into all investments.
- Provide funding to specifically combat energy burden & energy poverty through DOE investments, including through funding for BTO to reduce barriers to adoption of energy efficiency measures.
- **3)** Funding for workforce development in BTO, AMO, and across DOE.

### **Building the Clean Energy Economy**

- Almost 3.4 million people in the United States worked in clean energy industries, 2.4 million in energy efficiency, before the pandemic. Almost 430,000, or 12 percent, are still out of work (E2) because of the pandemic.
- 2) Federal clean energy investments will help clean energy workers get back on their feet and continue to expand the clean energy economy.
  - Increasing R&D spending to 1% of GDP would support
    3.4 million jobs and spur enormous other economic, environmental, and health benefits (Breakthrough Energy).
  - ~\$100B in clean energy investments would create almost **300,000 – 900,000 jobs** for the next five years (Rhodium and E2).
  - ~\$600B in climate investments *per year* is projected to create **\$9** *million* **new jobs** for the next 10 years (Political Economy Research Institute).



Source: DOE

## **Thank You!**



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