

## Tripling energy RD&D would be far from unprecedented

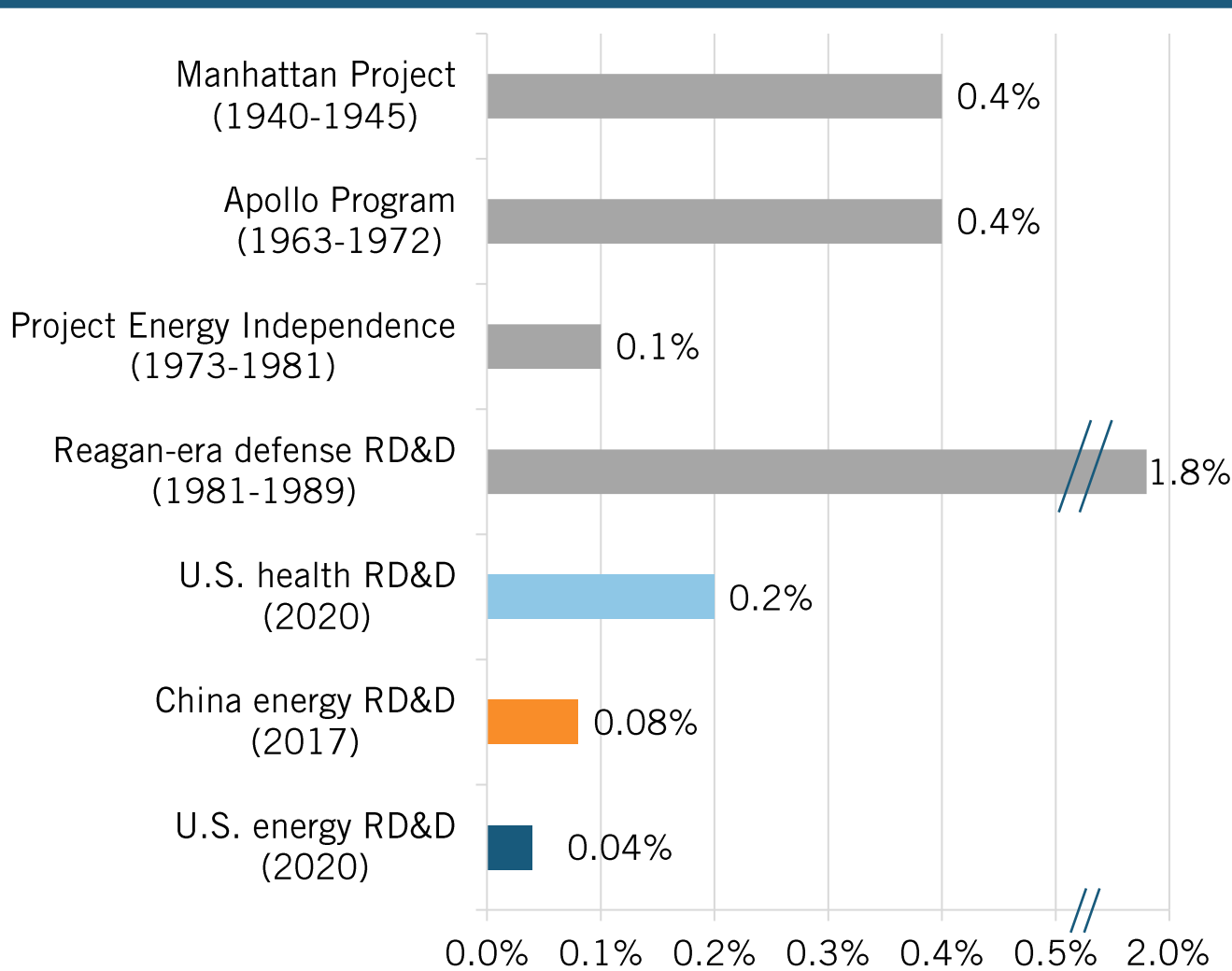
Tripling target has been recommended by:

- *Energizing America*
- National Academies report
- American Energy Innovation Council
- President's Council of Advisors on Science and Technology (2010)

**Federal funding for previous innovation missions has far outstripped this target.**

Source: Third Way and ITIF, 2020

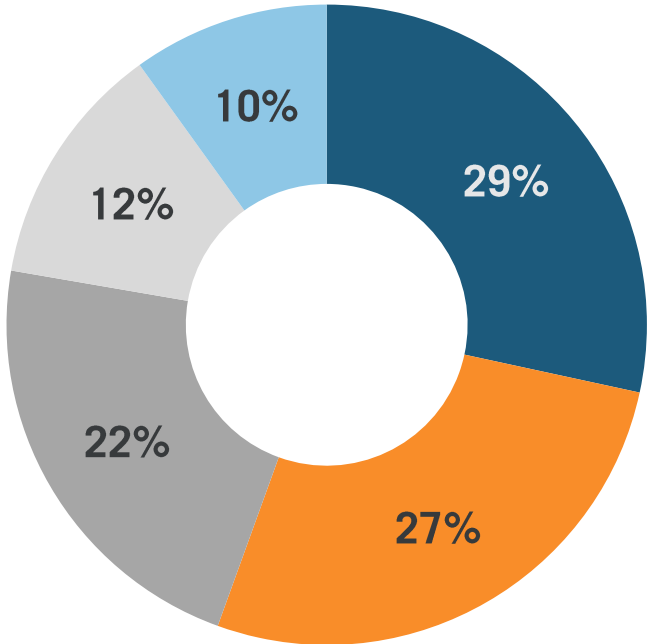
### Federal RD&D funding as a percent of GDP, selected national innovation missions



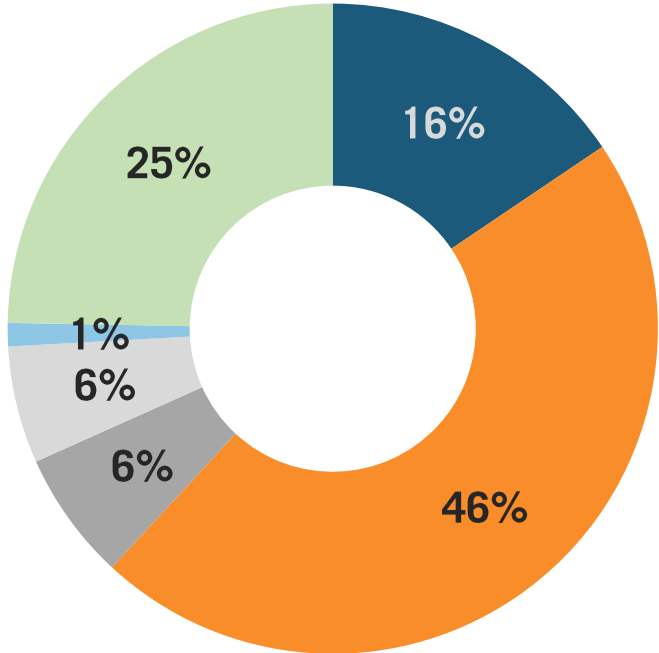
# Match the funding portfolio to critical decarbonization needs

## 2018 U.S. GHG emissions vs. FY20 DOE clean energy RD&D funding

U.S. Greenhouse Gas Emissions (2018)



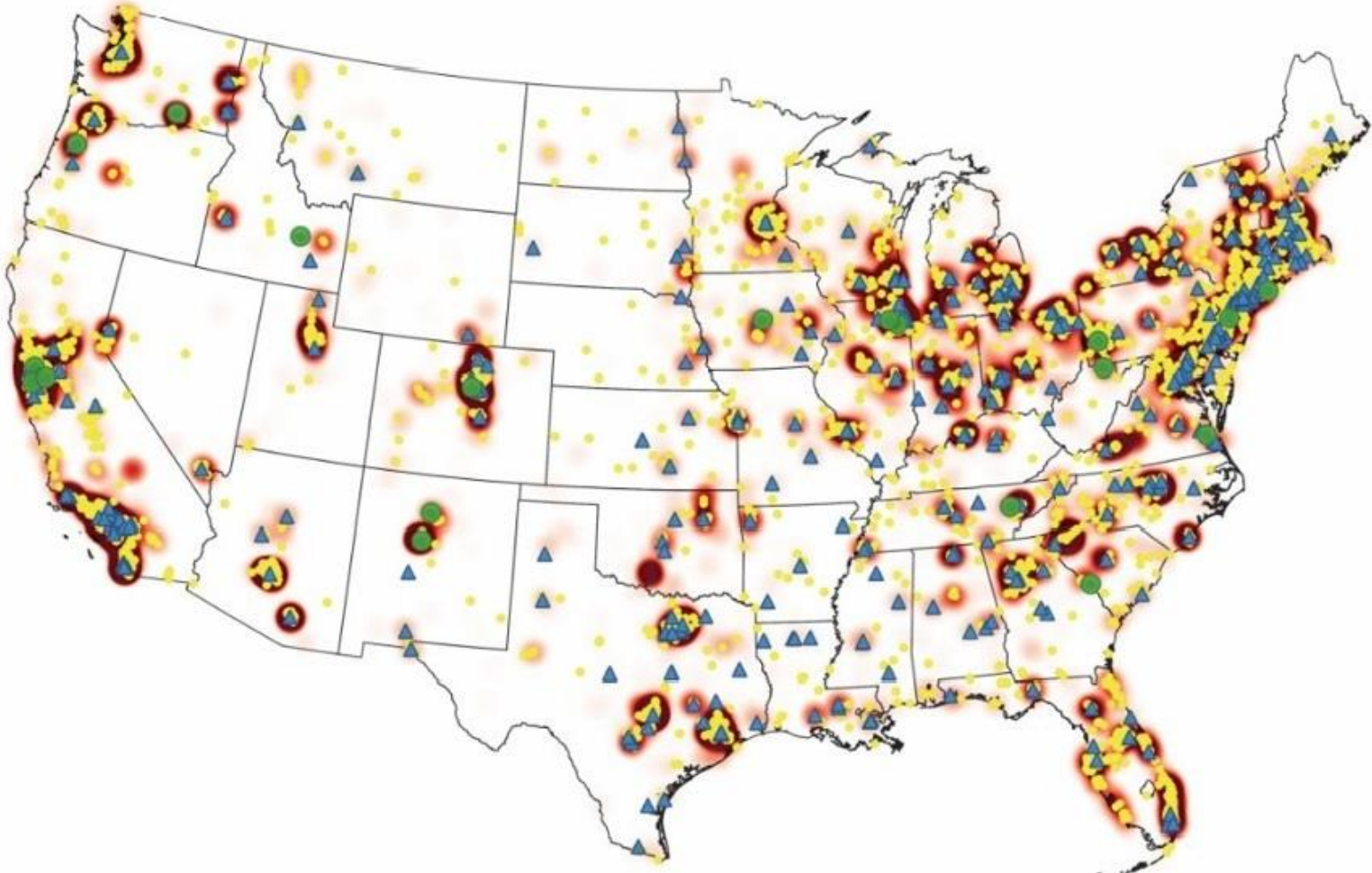
DOE Portfolio by Sector, FY 2020



- Transportation
- Electricity
- Industry
- Buildings
- Agriculture
- Science/  
Crosscutting

Source: Sivaram, Cunliff, Hart, Friedmann, and Sandalow (2020)

**Partner with state and local governments to support regional innovation**



- ▲ Research university
- DOE national laboratory
- Clean energy patents (heatmap)
- Cleantech firm

Source: U of Maryland and EFI (2020)