

# US Economy update

EGEEC -60

Hong Kong China (Hybrid)

March 15-17, 2023

# The US DOE National Laboratory System supports energy innovation through R&D

## Office of Science Laboratories

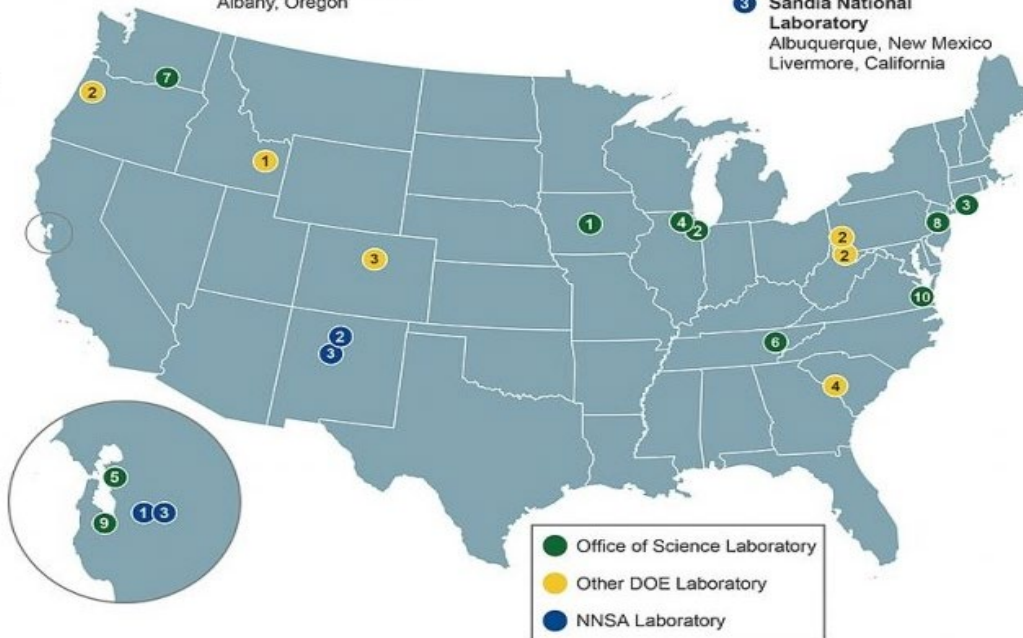
- 1 Ames Laboratory  
Ames, Iowa
- 2 Argonne National Laboratory  
Argonne, Illinois
- 3 Brookhaven National Laboratory  
Upton, New York
- 4 Fermi National Accelerator Laboratory  
Batavia, Illinois
- 5 Lawrence Berkeley National Laboratory  
Berkeley, California
- 6 Oak Ridge National Laboratory  
Oak Ridge, Tennessee
- 7 Pacific Northwest National Laboratory  
Richland, Washington
- 8 Princeton Plasma Physics Laboratory  
Princeton, New Jersey
- 9 SLAC National Accelerator Laboratory  
Menlo Park, California
- 10 Thomas Jefferson National Accelerator Facility  
Newport News, Virginia

## Other DOE Laboratories

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1 Idaho National Laboratory<br/>Idaho Falls, Idaho</li> <li>2 National Energy Technology Laboratory<br/>Morgantown, West Virginia<br/>Pittsburgh, Pennsylvania<br/>Albany, Oregon</li> </ol> | <ol style="list-style-type: none"> <li>3 National Renewable Energy Laboratory<br/>Golden, Colorado</li> <li>4 Savannah River National Laboratory<br/>Aiken, South Carolina</li> </ol> |
|---|---|

## NNSA Laboratories

- 1 Lawrence Livermore National Laboratory  
Livermore, California
- 2 Los Alamos National Laboratory  
Los Alamos, New Mexico
- 3 Sandia National Laboratory  
Albuquerque, New Mexico  
Livermore, California

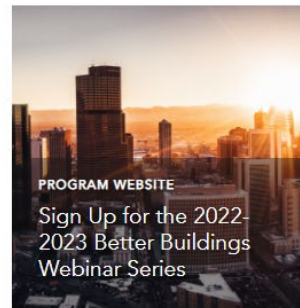


# The US DOE office of Energy Efficiency and Renewable Energy supports targeted energy efficiency Demonstrations and Deployment\*

## BETTER BUILDINGS INITIATIVE

Better Buildings is an initiative of the U.S. Department of Energy (DOE) designed to improve the lives of the American people by driving leadership in energy innovation. Through Better Buildings, DOE partners with leaders in the public and private sectors to make the nation's homes, commercial buildings, and industrial plants more energy-efficient by accelerating investment and sharing successful best practices.

Stay connected and informed: [subscribe here](#).



\*<https://betterbuildingsolutioncenter.energy.gov/>

# The Better Buildings Progress Reports provide key findings, updates and metrics on the program's impacts\*

- The 2022 Progress Report estimated US\$15 billion in energy savings
- The Better Buildings Initiative is a public-private partnership with more than 900 businesses, state and local governments, utilities, housing authorities, and other organizations
- Decarbonizing American's building sector is a key part of President Biden's plan to reach a net-zero carbon economy by 2050

\*<https://betterbuildingsolutioncenter.energy.gov/news/doe-announces-15-billion-energy-savings-through-better-buildings-initiative>

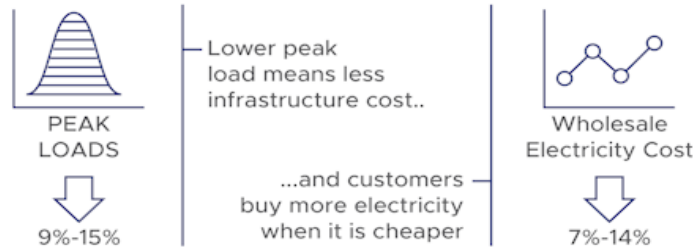
# A Transactive Energy System could save the US up to US\$50 billion annually\*

## The Power of Transactive Energy

Transactive Energy coordinates flexible assets to improve grid operations...



...leading to a reduction in peak loads, energy prices, and required infrastructure...



...that lowers customers' utility bills and saves the nation billions of dollars every year



Graphic by Cortland Johnson | Pacific Northwest National Laboratory

\*<https://www.pnnl.gov/news-media/how-smart-electric-grid-will-power-our-future>



Thank you for your attention

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