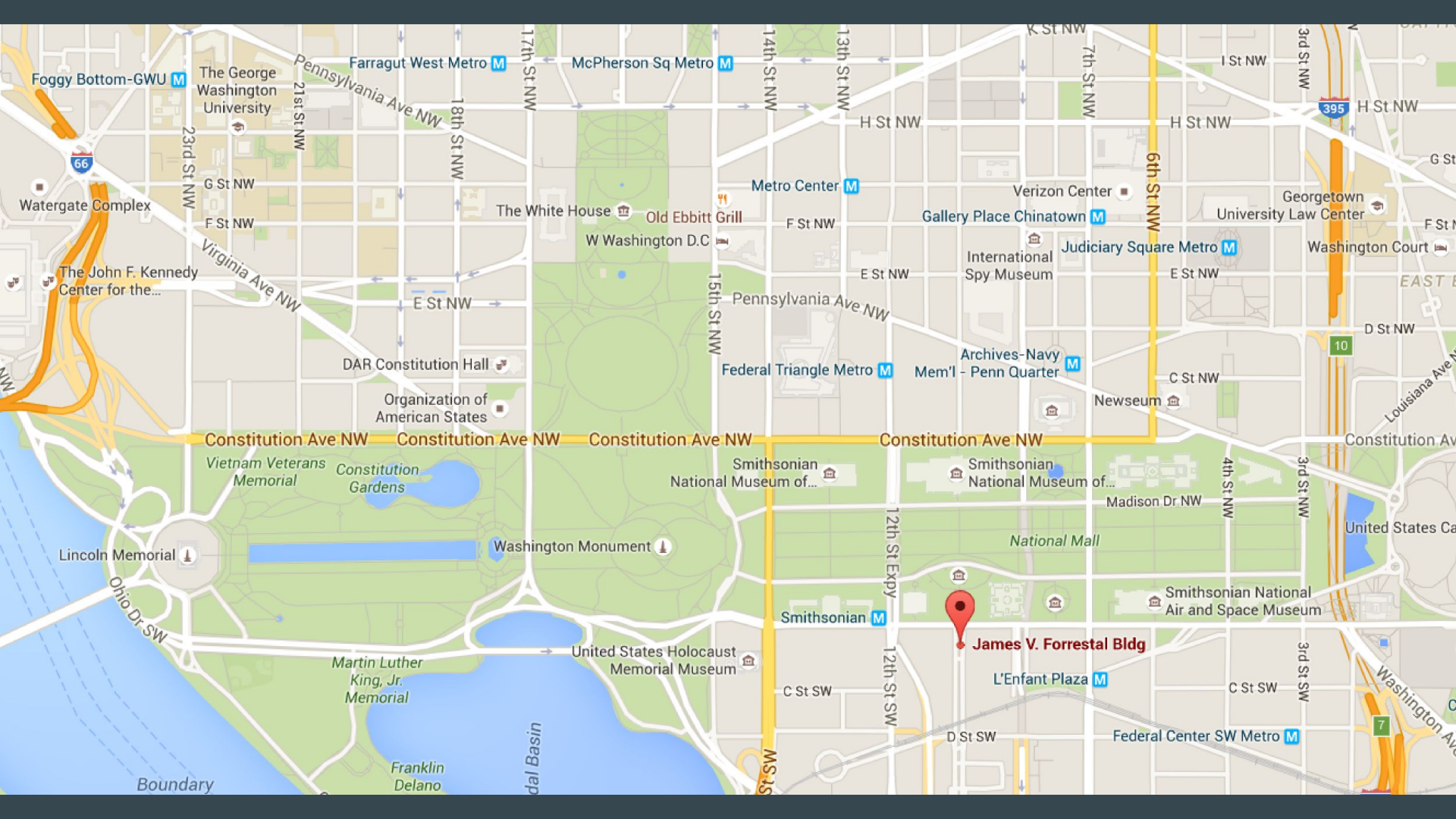


**DOE - Department of Energy
Office of Nuclear Energy**

...



James V. Forrestal Bldg

National Mall

Smithsonian National Museum of...

Smithsonian National Museum of...

Washington Monument

Martin Luther King, Jr. Memorial

Vietnam Veterans Memorial

Constitution Gardens

Organization of American States

DAR Constitution Hall

The White House

Old Ebbitt Grill

W Washington D.C.

Metro Center

Gallery Place Chinatown

Verizon Center

Georgetown University Law Center

The George Washington University

Foggy Bottom-GWU

Watergate Complex

The John F. Kennedy Center for the...





U.S. DEPARTMENT OF
ENERGY

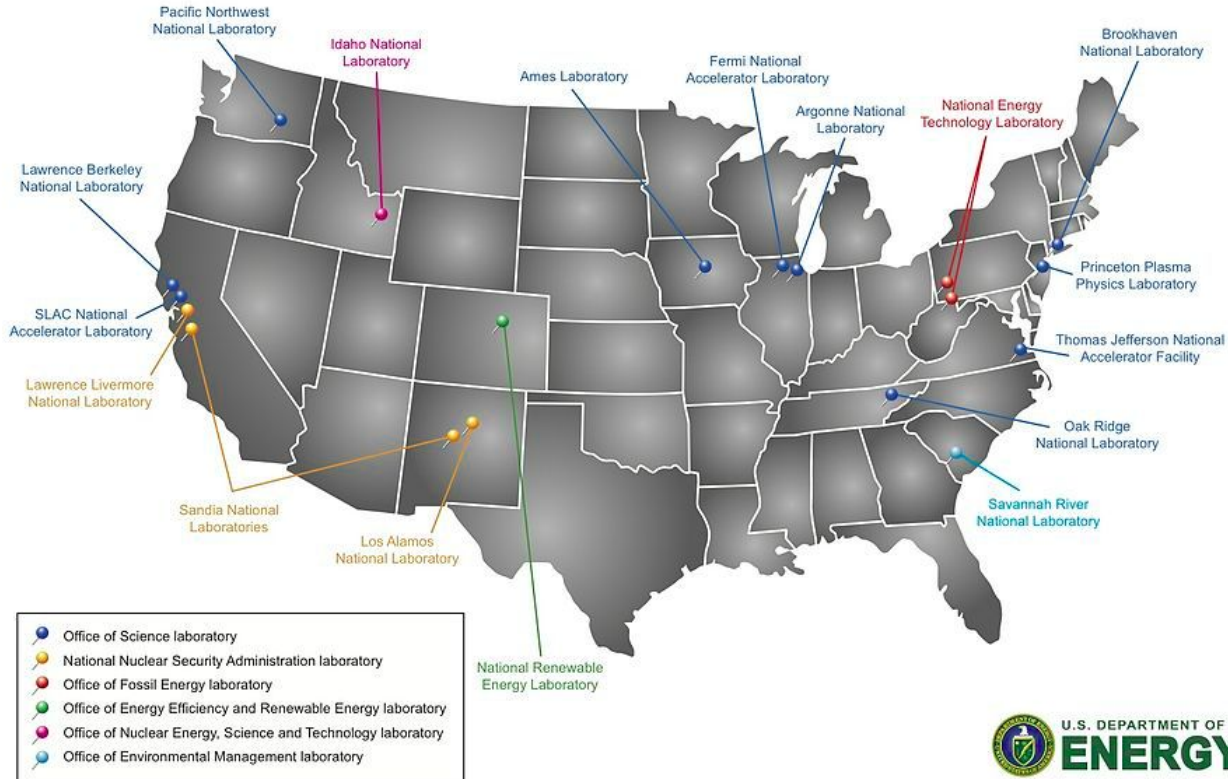
What does the DOE do?

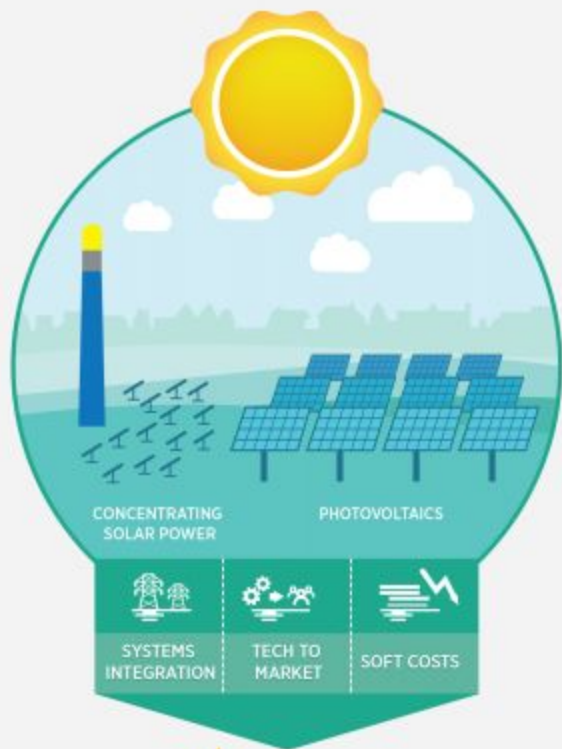
The DOE states that its mission is to “[...] ensure America’s security and prosperity by addressing its energy, environmental and nuclear challenges through transformative science and technology solutions.”

What does this mean?

- Advancing economic and energy security of the United States
- Supporting technological and scientific advancement
- Protection from nuclear proliferation and associated dangers

Department of Energy National Laboratories





 **6¢/kWh**



DoE Organization

Organized into 3 main branches:

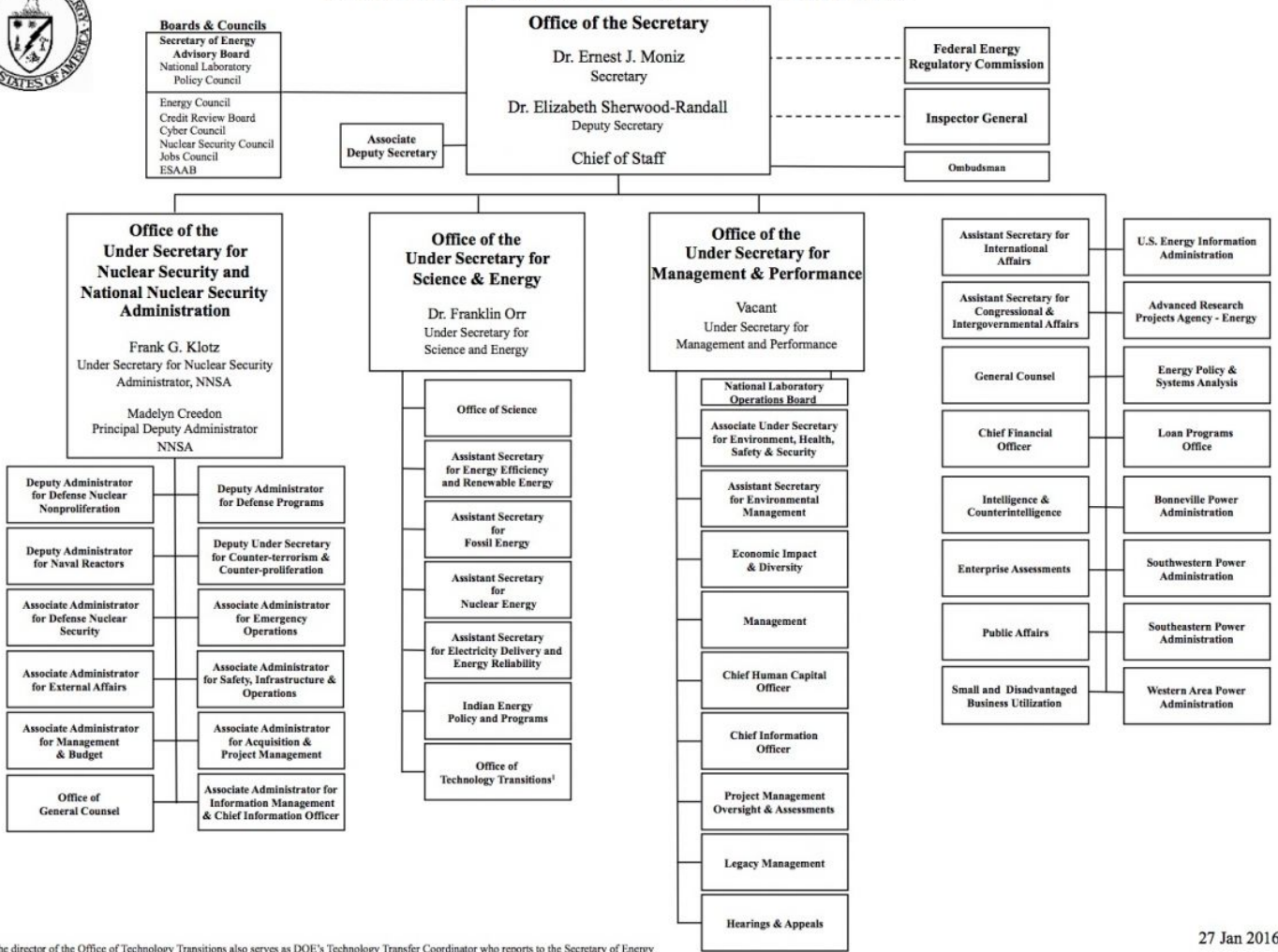
- Office of the Under Secretary for Nuclear Security and National Nuclear Security Administration
- Office of the Under Secretary for Science and Energy
- Office of the Under Secretary for Management and Performance

It is one of the federal executive departments, meaning the head of the DOE is a member of the presidential cabinet.

It's budget of approximately 30 billion is approved by Congress.



DEPARTMENT OF ENERGY



¹ The director of the Office of Technology Transitions also serves as DOE's Technology Transfer Coordinator who reports to the Secretary of Energy

Current leadership



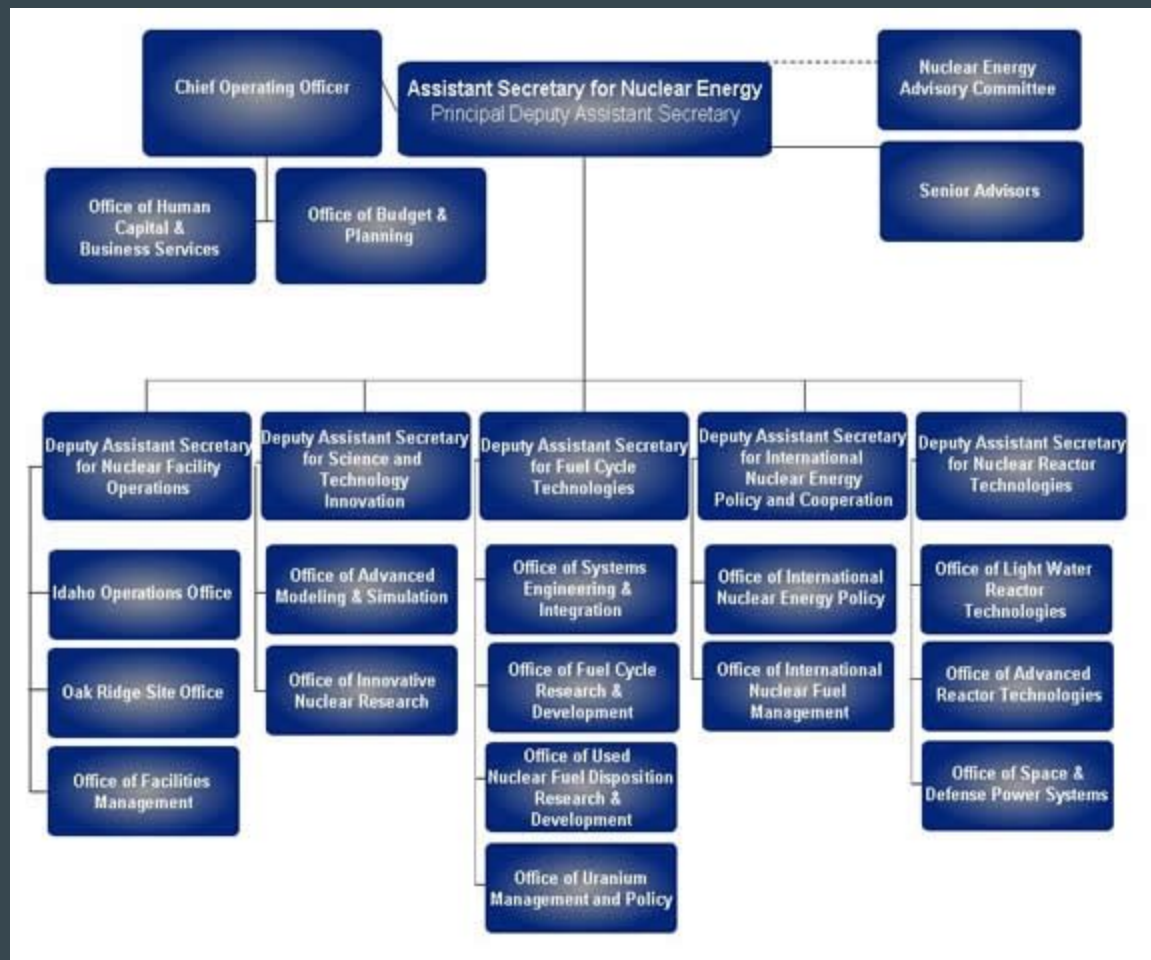
Dr. Ernest Moniz

Secretary of Energy



Dr. Elizabeth Sherwood-Randall

Deputy Secretary of Energy



DoE History

Created under the **Department of Energy Organization Act** in 1977

Initially to serve the purpose of:

- a) The design, construction, and testing of nuclear weapons
- b) Act as a supervisory organization for the diverse government energy projects going on at the time

Early Beginnings

1939 - Albert Einstein theorizes the possibility of nuclear weapons and writes to Franklin D. Roosevelt, the president of the time

early 1940's - debate over civilian vs. military control of nuclear weapons

1946 - Atomic Energy Act leads to creation of Atomic Energy Commission

1954 - 2nd Atomic Energy Act expands nuclear to commercial power production

1950-70's - lack of general government energy control

1970's - energy crisis lead to increased government involvement in energy and creation of energy policy, and lead to the creation of the DOE

Where will I be working?

- 1) Office of International Nuclear Energy Policy and Cooperation, in downtown DC
- 2) Office of Advanced Reactor Technologies, in Germantown, MD

What do I hope to get out of the internship?

- What is the future of nuclear in the US and energy in general?
- How are decisions made to focus on certain research areas vs. others?
- What are the driving forces behind energy policy?
- What needs to change to move us towards a cleaner-more carbon free future?
- How are we collaborating with other countries and are we being effective?
- What can we, as undergrads, do to move the US and the world towards a cleaner, cheaper, and more Sustainable future?



Sources

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