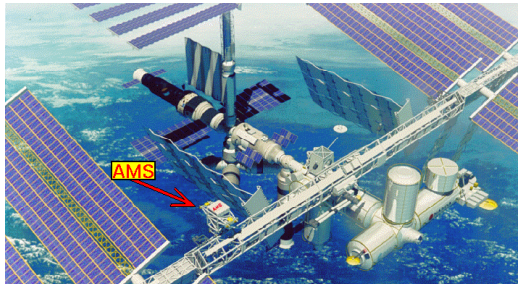
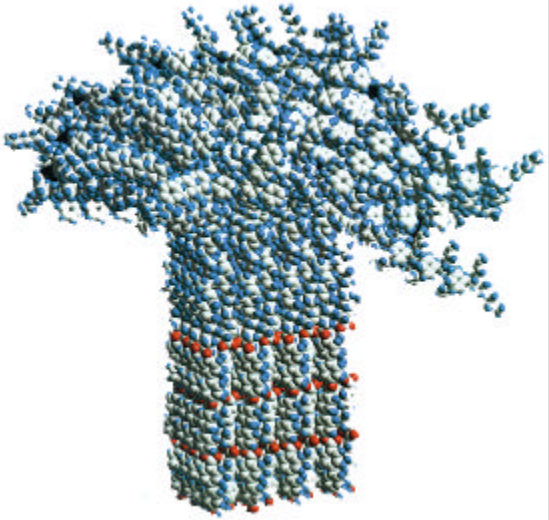
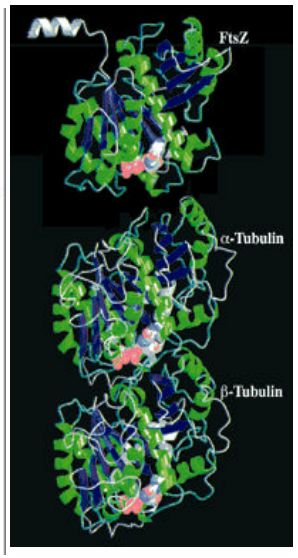



# *Office of Science*

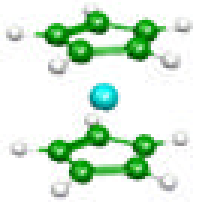





## ORNL
## Pre-Proposal Conference

Dr. James Decker
Deputy Director, Office of Science
U.S. Department of Energy

*May 4, 1999*

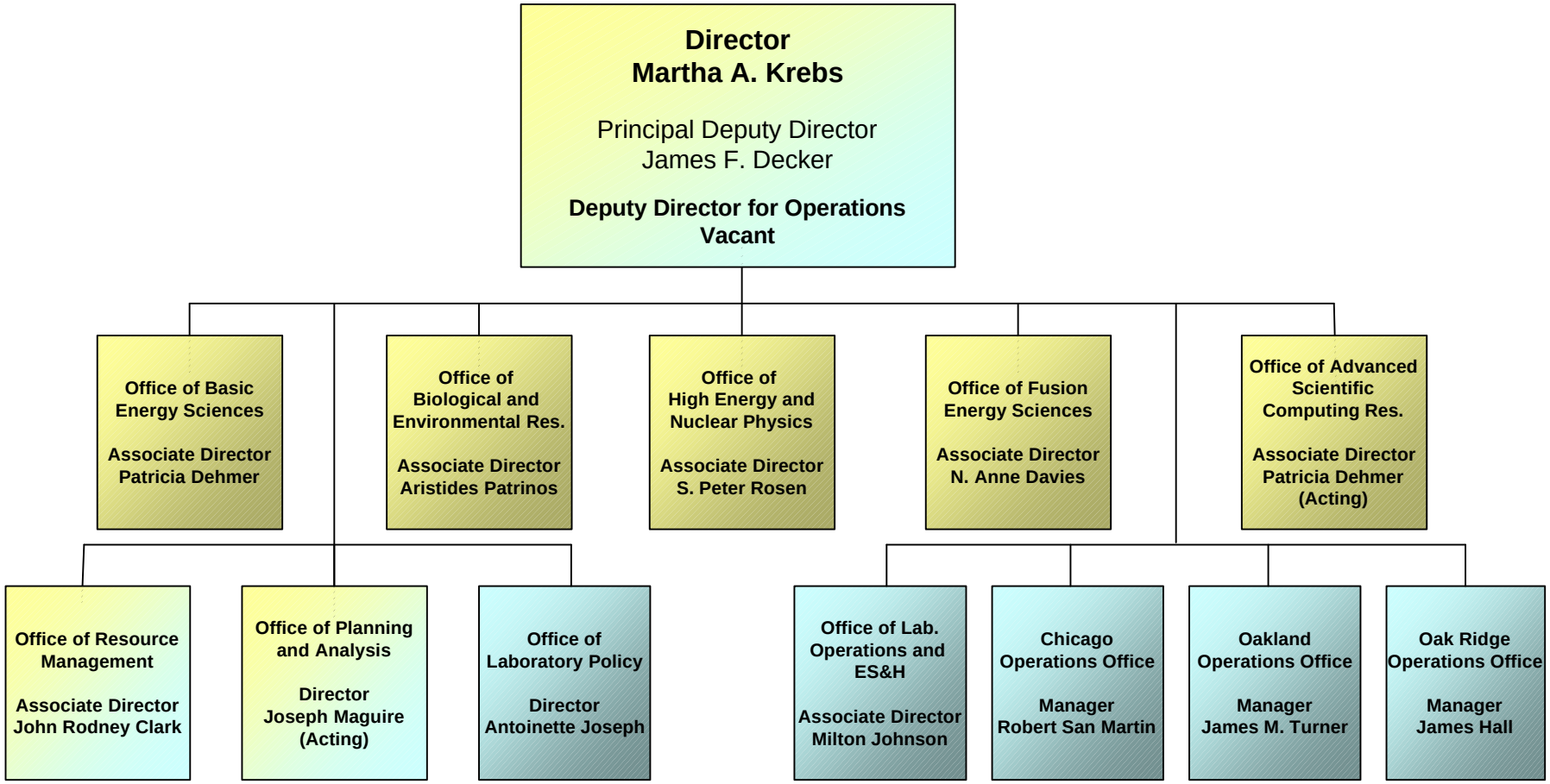


# U.S. Department of Energy
## *Office of Science*

- One of the Largest Federal Basic Research Budgets
  - $2.8 Billion Request for FY 2000
- Supports R&D Across a Broad Spectrum of Scientific Disciplines
- Stewardship Over Civilian Laboratory Complex
  - 5 Multiprogram Laboratories
  - 6 Program Dedicated Laboratories
- Constructs and Operates World-Class Scientific Research User Facilities
- Lead Principle Secretarial Officer (PSO) for three DOE Operations Offices

# Office of Science

## *Organization*



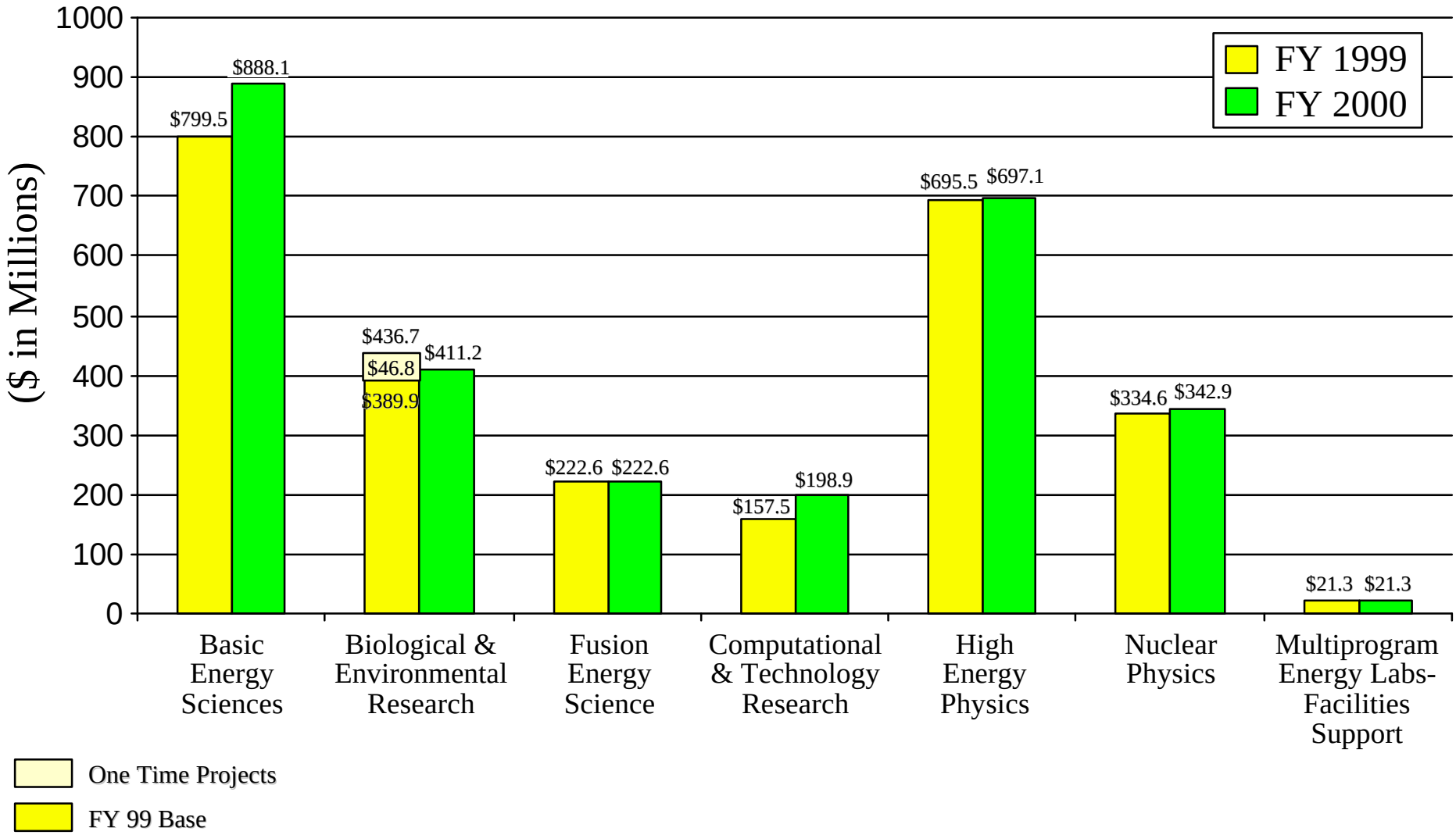
# Office of Science Responsibilities for Oak Ridge National Laboratory (ORNL)

- Programs
  - Principle source of research funds
  - Base support for user facilities
  - Quality of science
- Operations
  - Oak ridge operations office
  - Landlord
    - Health and well-being
    - Infrastructure

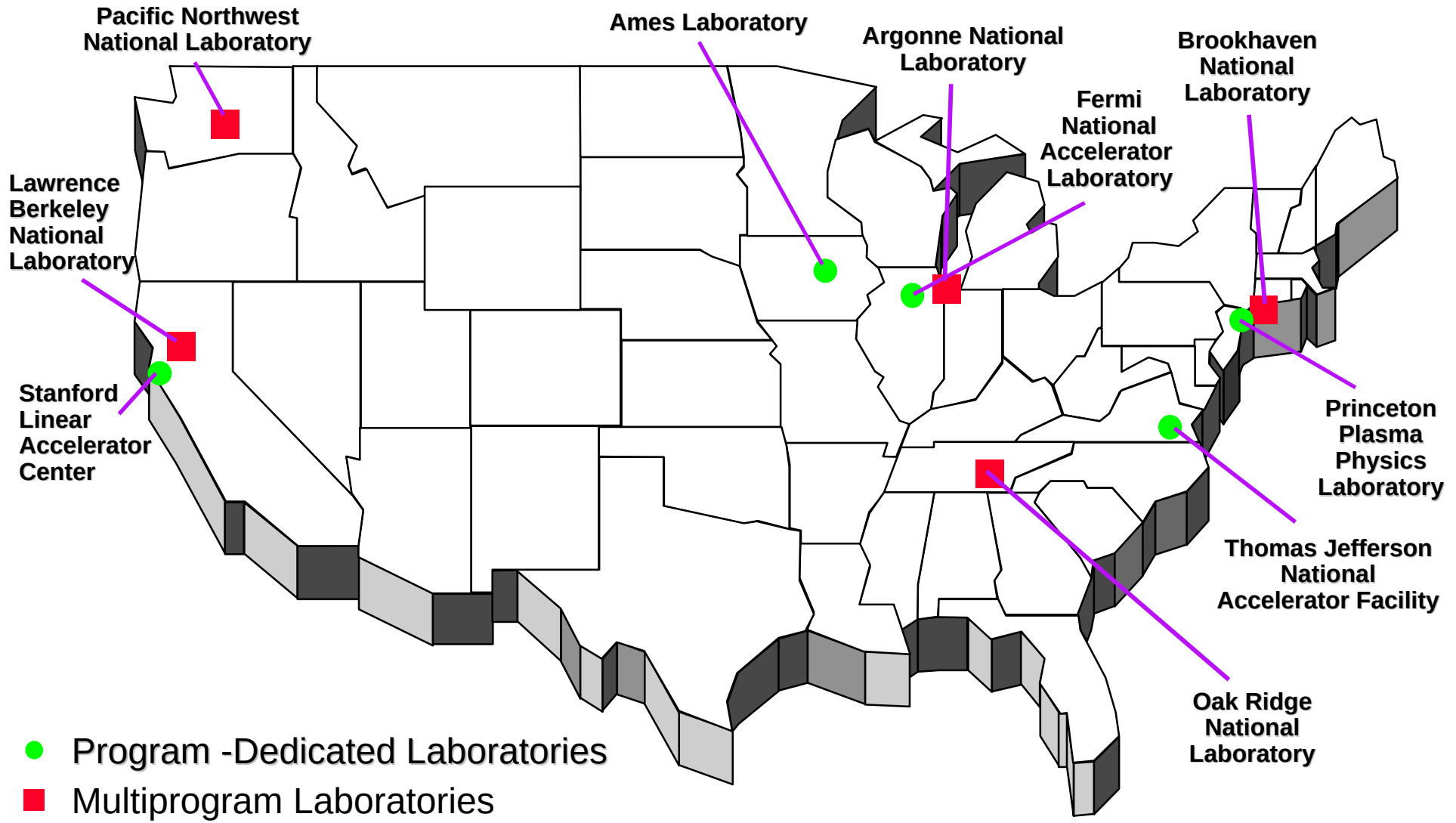
# United States Department of Energy

## Office of Science

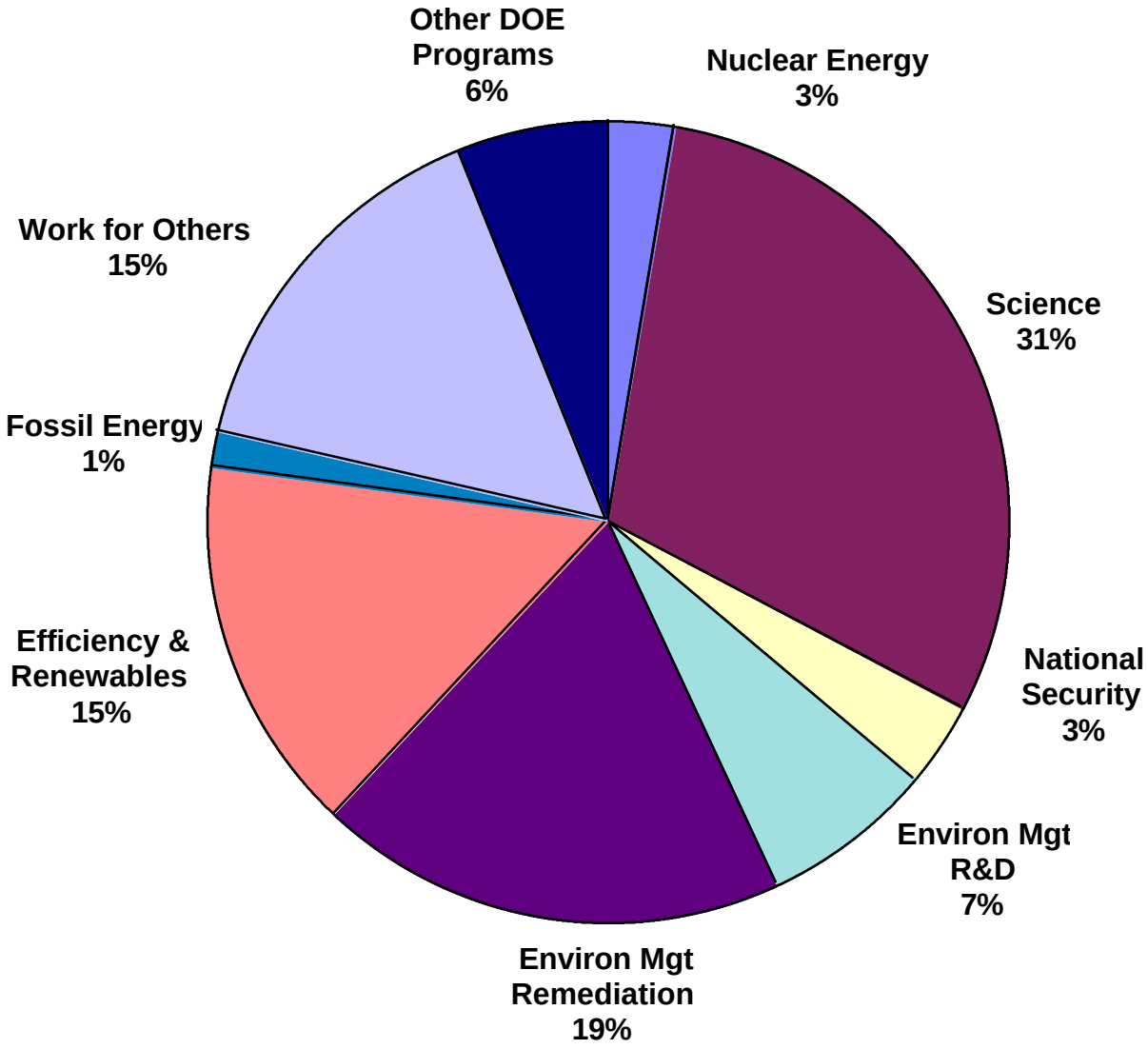
## FY 2000 Congressional Budget Request



# Office of Science Laboratories



# Percentage of FY 1998 Operating Funding
# Oak Ridge National Laboratory



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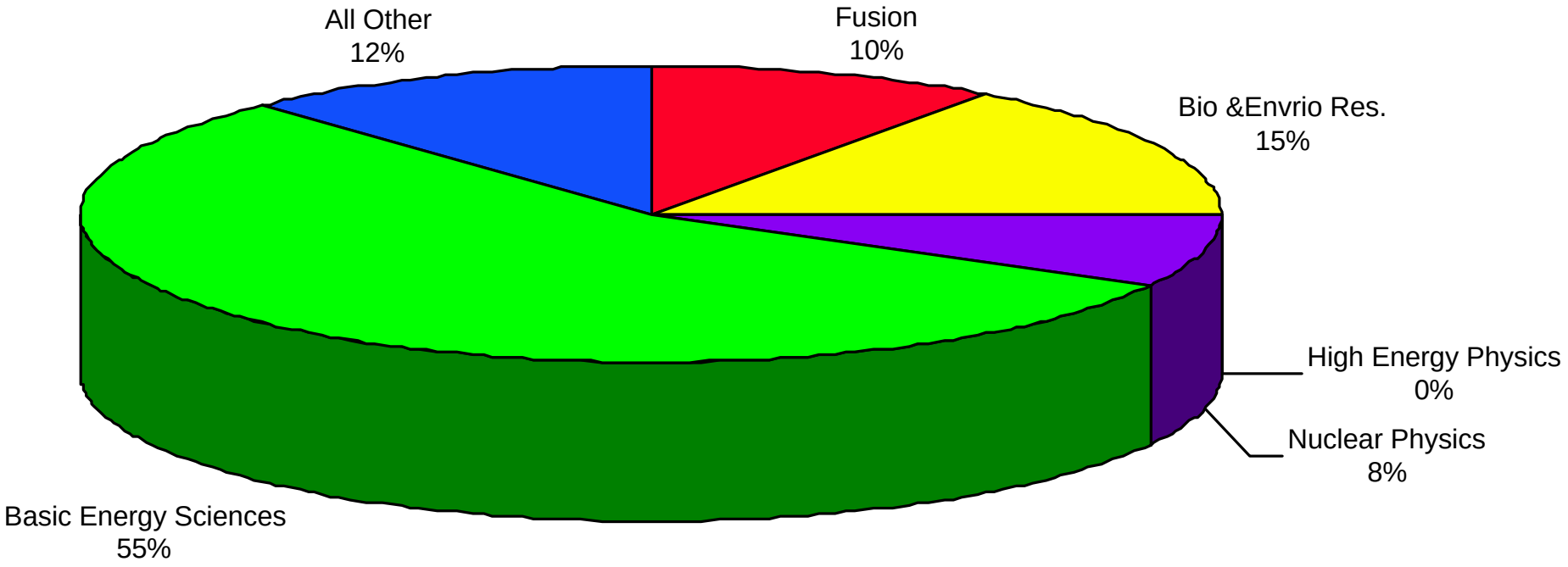


# Office of Science

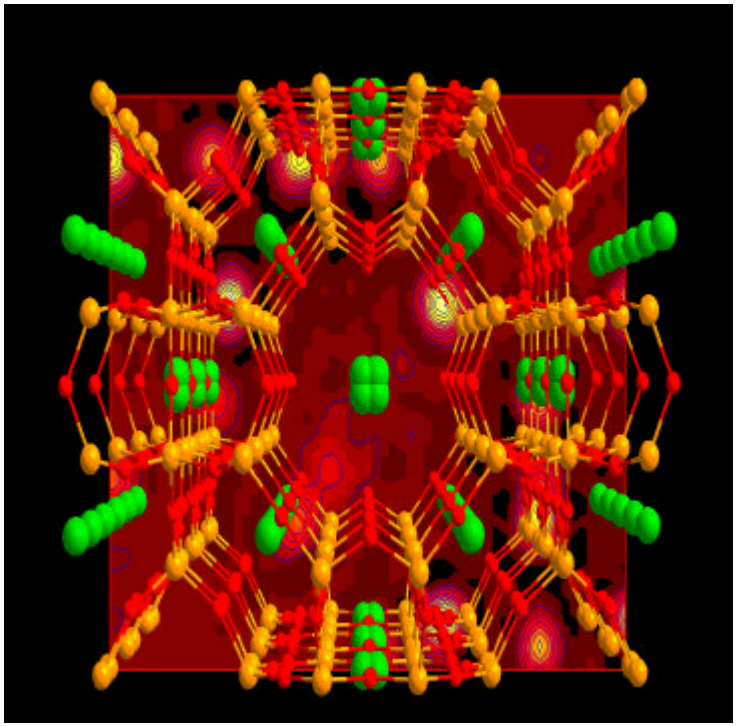
- Scientific Quality and Relevance
  - Peer Review *(for Quality)*
  - *Relevance to DOE Mission*
- Long -Term Commitment
  - Stable support for research efforts despite shifting budget cycle

# ORNL User Facilities

- Atomic Physics EN Tandem Van de Graff Accelerator
- Bioprocessing Research & Development Center
- Buildings Technology Center
- Californium User Facility
- Computational Center for Industrial Innovation
- High Flux Isotope Reactor
- High Temperature Materials Laboratory
- Hollifield Radioactive Ion Beam Facility
- Metals Processing Laboratory
- Metrology Research & Development Laboratories
- Mouse Genetics Research Facility
- National Environmental Research Park
- Oak Ridge Centers for Manufacturing Technology
- Oak Ridge Electron Linear Accelerator
- Shared Research Equipment Program
- Surface Modification and Characterization Research Facility

# The Spallation Neutron Source

- First U.S. world-class neutron source in over 30 years
  - Total Project Cost $1.36 billion
  - FY 2000 - $214 million
- Neutrons provide unique information to improve the materials we use every day - *fibers, plastics, catalysts & drugs; stronger, lighter materials; more efficient motors & magnets*
- World's most powerful source
  - 1000-2000 users
  - Physical, Chemical, Materials, Biological, Medical Sciences



# Integration of Operational and Science Goals

- Operational areas do not exist in a vacuum and cannot be separated from the work of scientific research
- Operational excellence supports excellent science
  - Safety
  - Environment
  - Security
  - Business Practices

# Office of Science Values

- Experience In Managing Basic & Applied R&d
  - Commitment To Maintaining Quality Of Science
  - Ability To Attract Best Scientists
  - Maintain Science Culture
- Experience In Managing Construction Of Large Scientific Facilities
- Experience In Operating User Facilities
- Safe And Environmentally Sound Operations
- Efficient Operation To Maximize Research Dollars
- Good Community Relations