



U.S. DEPARTMENT OF
ENERGY

Office of Science

The U.S. Department of Energy's Brookhaven Site Office at Brookhaven National Laboratory

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Deputy Manager, Brookhaven Site Office

Presentation to the BNL Community Advisory Council

May 10, 2012

Tonight's Presentation

Answering the questions:

“What does the Brookhaven Site Office do?”

“How does it do it?”

DOE, SC and BHSO

- Mission and goals
- Organization structure
- Relationships



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U.S. DOE Mission and Goals



Muon Resistive Plate Chamber
in the PHENIX detector at RHIC

Mission: To ensure America's security and prosperity by addressing its energy, environmental, and nuclear challenges through transformative science and technology solutions.

- Goal 1: Catalyze the timely, material, and efficient transformation of the nation's energy system and secure U.S. leadership in clean energy technologies.
- **Goal 2: Maintain a vibrant U.S. effort in science and engineering as a cornerstone of our economic prosperity with clear leadership in strategic areas.**
- Goal 3: Enhance nuclear security through defense, nonproliferation, and environmental efforts.
- Goal 4: Establish an operational and adaptable framework that combines the best wisdom of all Department stakeholders to maximize mission success.



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DOE Office of Science (SC) Mission

Support a diverse portfolio of research that:

- advances the science needed for revolutionary energy breakthroughs
- seeks to unravel nature's deepest mysteries, and
- provides the Nation's researchers with the most advanced large-scale tools of modern science.

SC is the largest funder of basic scientific research in the U.S.

- FY12: \$4.874B enacted, FY13: \$4.992B requested



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DOE Brookhaven Site Office (BHSO) Mission

Successfully manage and administer DOE's performance-based, management-and-operating (M&O) contract with Brookhaven Science Associates (BSA) for:

- the safe, secure, effective, and efficient leadership and operation of BNL, and
- the federal stewardship of the site and institution.



Long Island Solar Farm

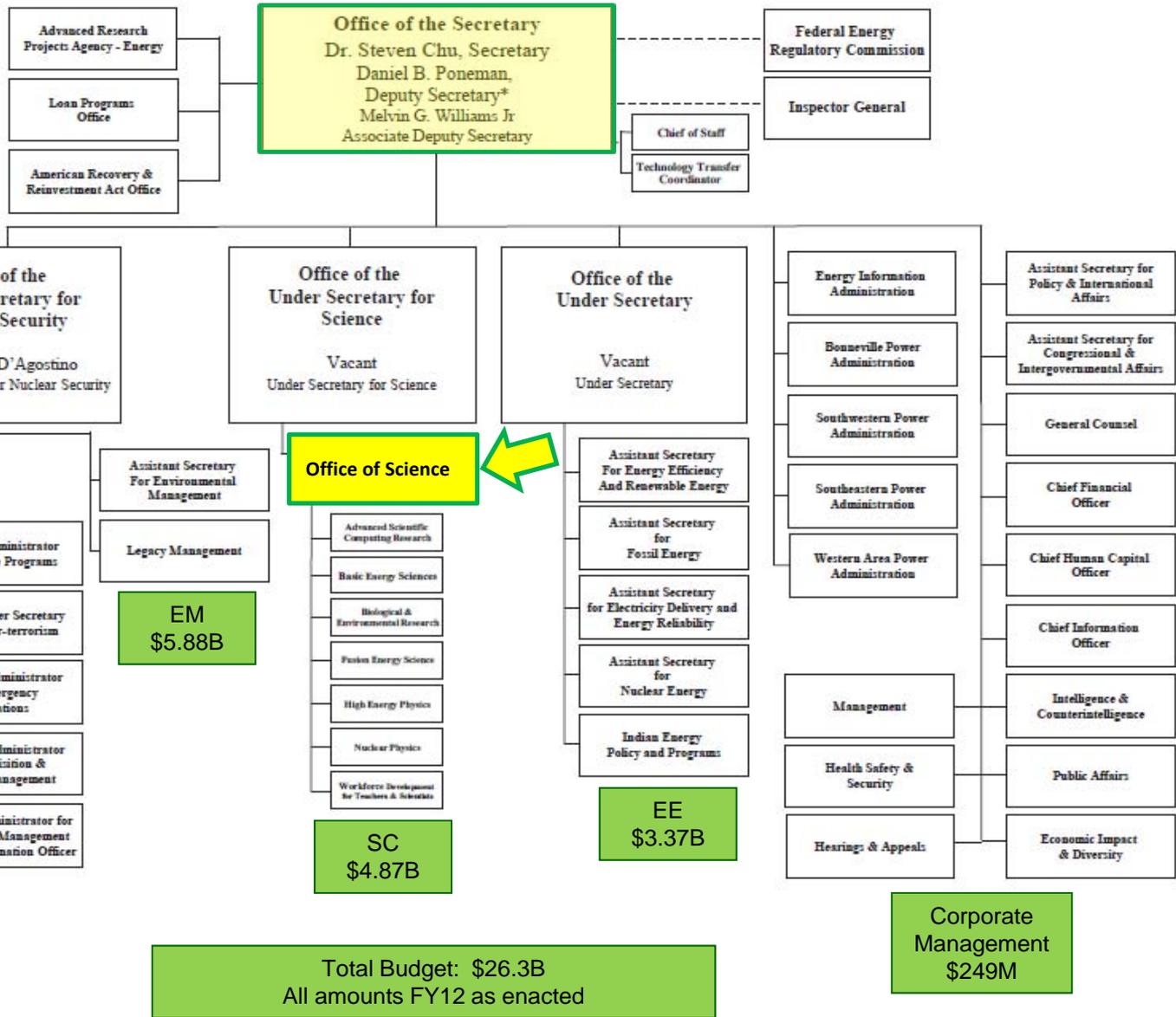


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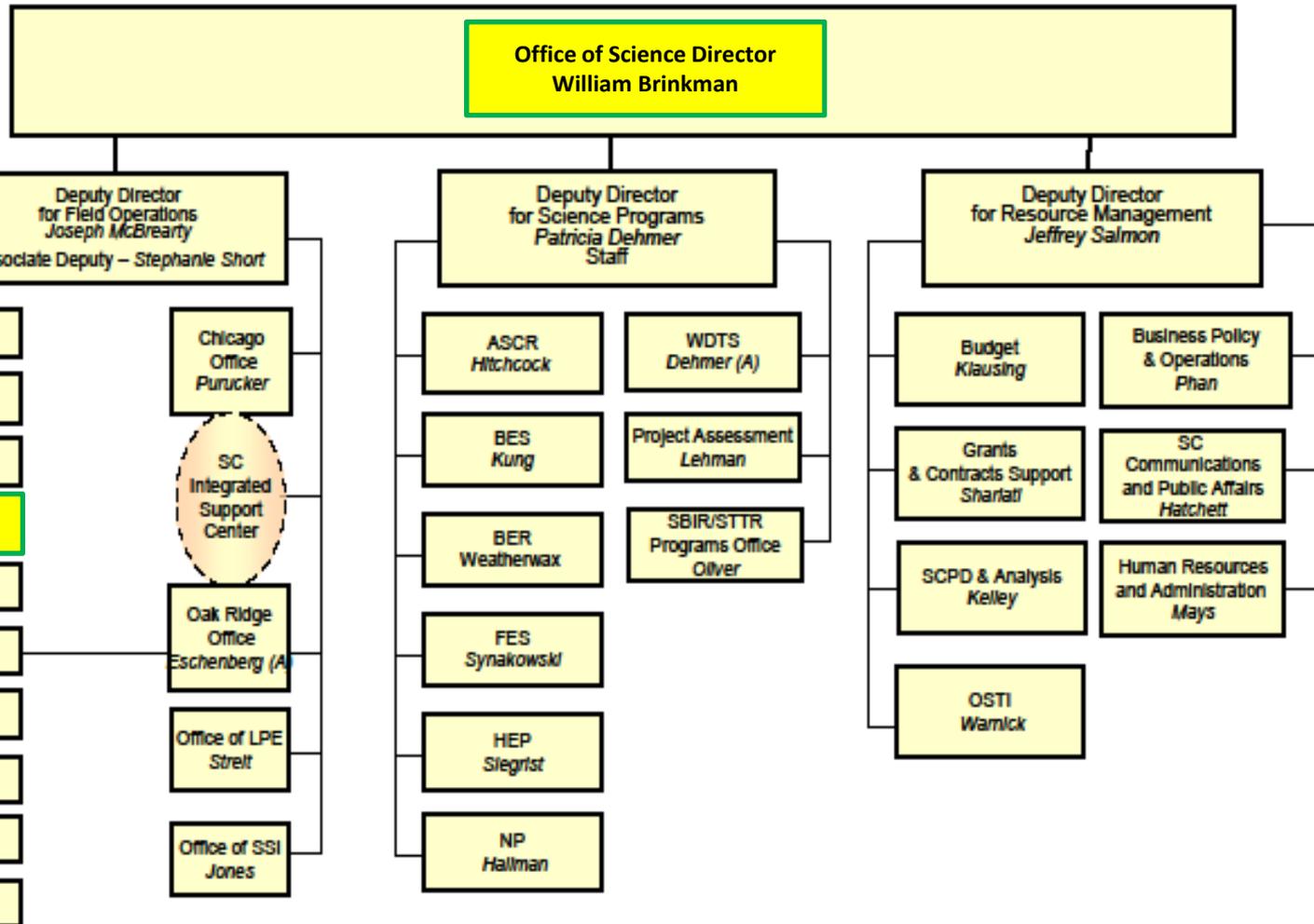
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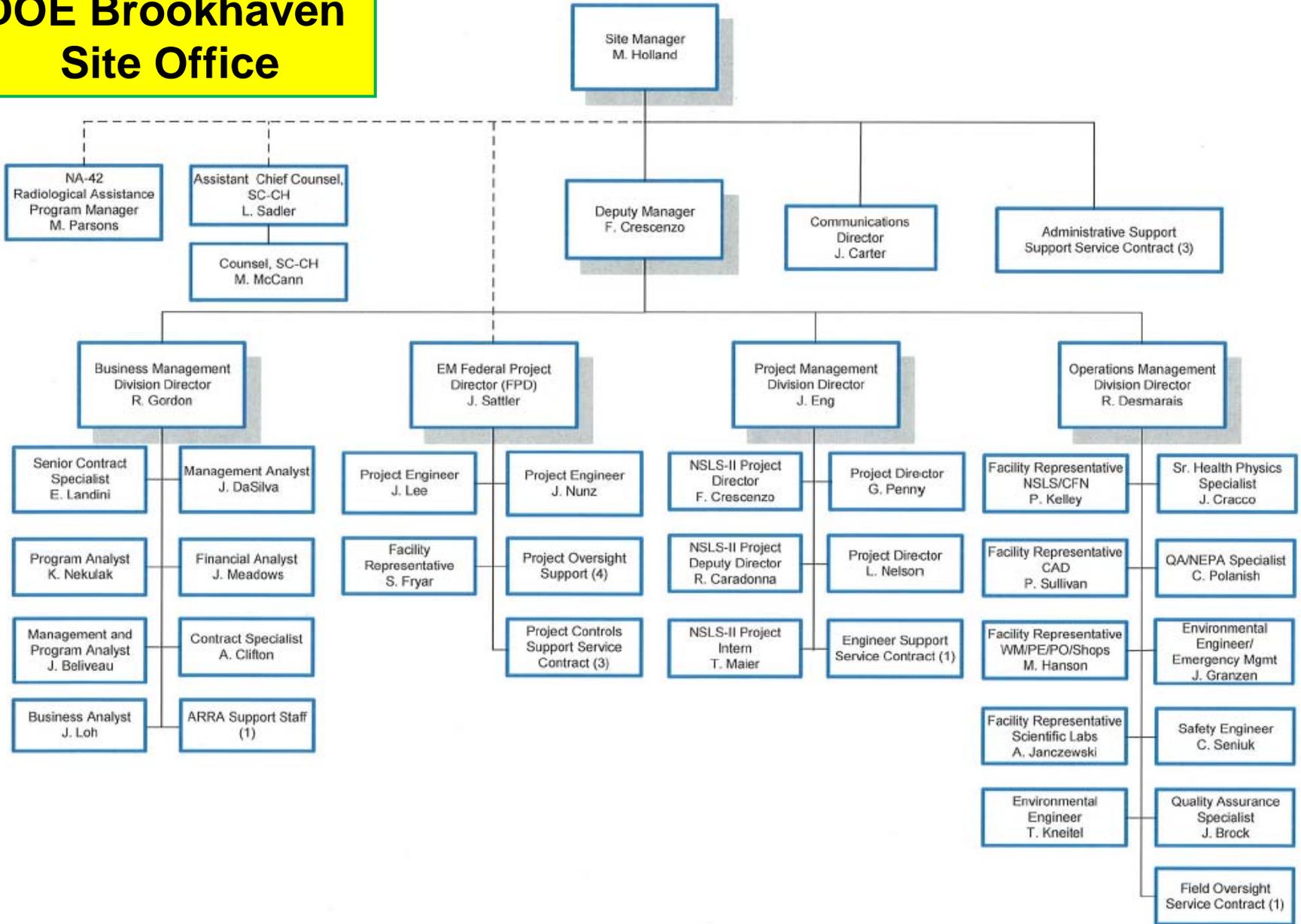
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DOE Brookhaven Site Office



All 17 DOE National Laboratories

SLAC National Accelerator Laboratory
Menlo Park, California

Pacific Northwest National Laboratory
Richland, Washington

Idaho National Laboratory
Idaho Falls, Idaho

National Renewable Energy Laboratory
Golden, Colorado

Ames Laboratory
Ames, Iowa

Argonne National Laboratory
Argonne, Illinois

Fermi National Accelerator Laboratory
Batavia, Illinois

Brookhaven National Laboratory
Upton, New York

National Energy Technology Laboratory
Morgantown, West Virginia
Pittsburgh, Pennsylvania

Sandia National Laboratories
Livermore, California
Albuquerque, New Mexico

Lawrence Livermore National Laboratory
Livermore, California

Lawrence Berkeley National Laboratory
Berkeley, California

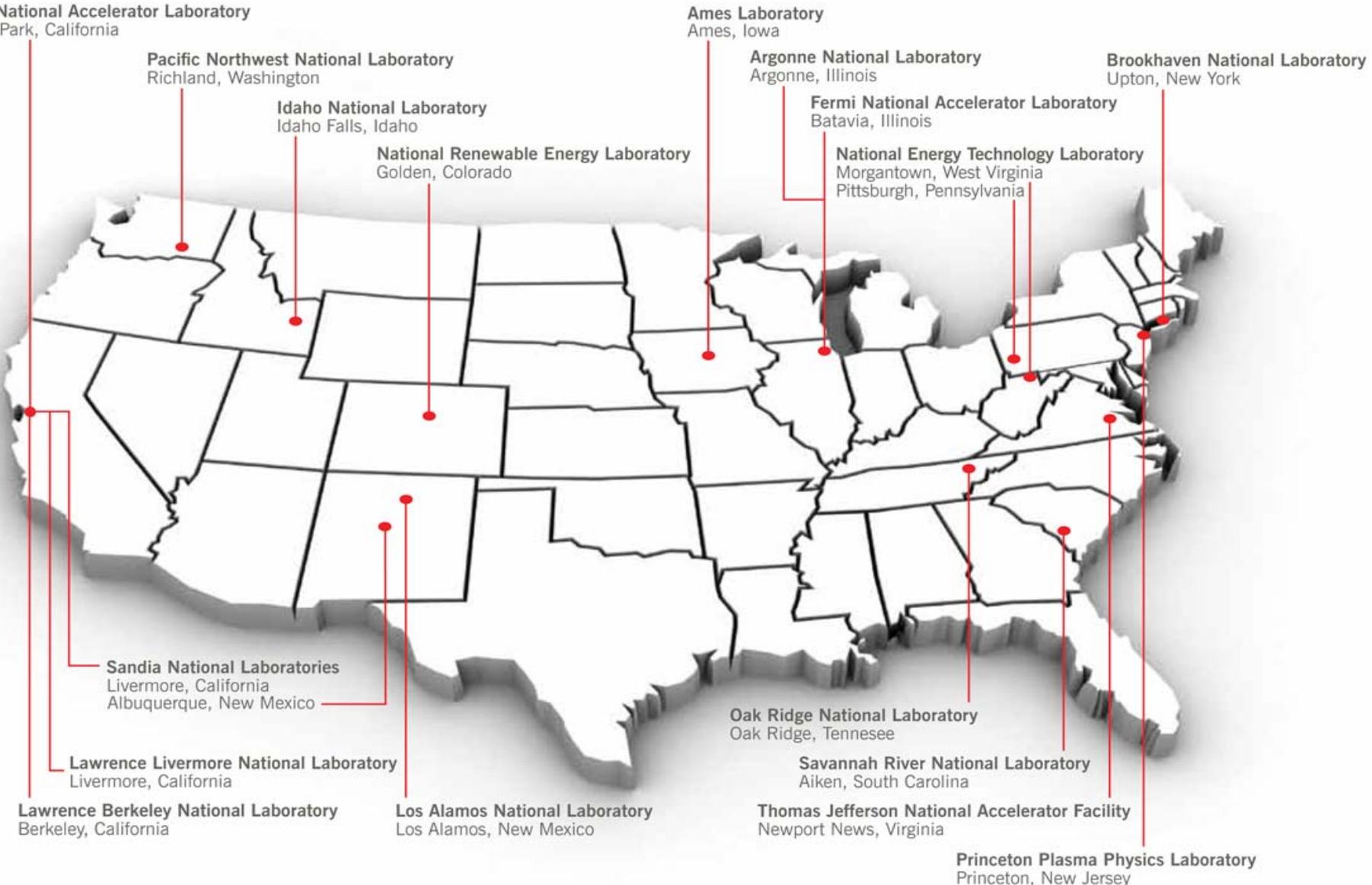
Los Alamos National Laboratory
Los Alamos, New Mexico

Oak Ridge National Laboratory
Oak Ridge, Tennessee

Savannah River National Laboratory
Aiken, South Carolina

Thomas Jefferson National Accelerator Facility
Newport News, Virginia

Princeton Plasma Physics Laboratory
Princeton, New Jersey



SC National Laboratories

6 Multi-Purpose labs

4 Single Purpose labs

SLAC National Accelerator Laboratory
Menlo Park, California

Pacific Northwest National Laboratory
Richland, Washington

Idaho National Laboratory
Idaho Falls, Idaho

National Renewable Energy Laboratory
Golden, Colorado

Ames Laboratory
Ames, Iowa

Argonne National Laboratory
Argonne, Illinois

Fermi National Accelerator Laboratory
Batavia, Illinois

Brookhaven National Laboratory
Upton, New York

National Energy Technology Laboratory
Morgantown, West Virginia
Pittsburgh, Pennsylvania

Sandia National Laboratories
Livermore, California
Albuquerque, New Mexico

Lawrence Livermore National Laboratory
Livermore, California

Lawrence Berkeley National Laboratory
Berkeley, California

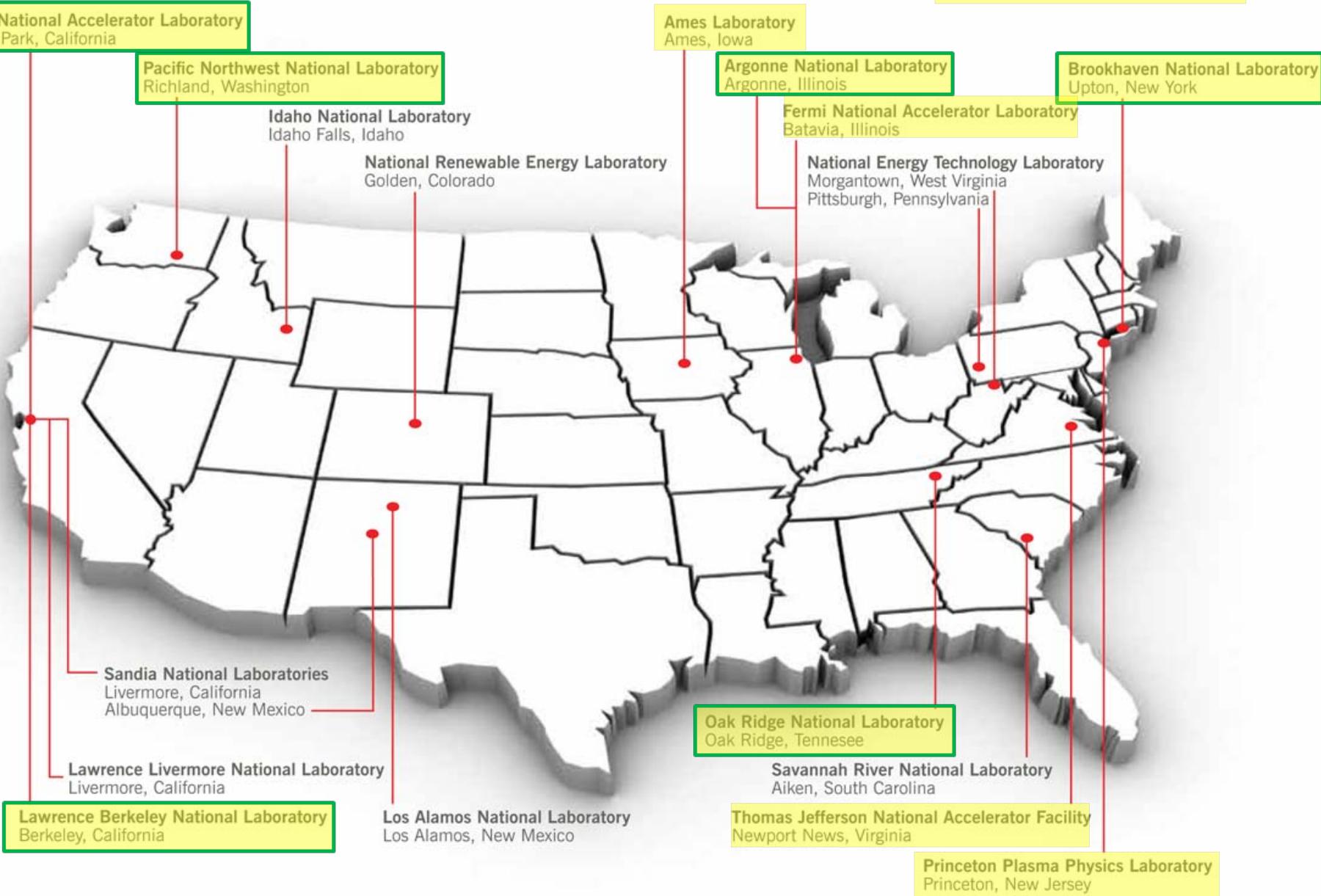
Los Alamos National Laboratory
Los Alamos, New Mexico

Oak Ridge National Laboratory
Oak Ridge, Tennessee

Savannah River National Laboratory
Aiken, South Carolina

Thomas Jefferson National Accelerator Facility
Newport News, Virginia

Princeton Plasma Physics Laboratory
Princeton, New Jersey



Relationships: DOE and BNL

DOE:

- Is the landlord and steward of BNL
- Hires a management-and-operating (M&O) contractor, Brookhaven Science Associates (BSA), to run BNL
 - M&O contractor does almost everything at BNL from world-class science to cutting grass



Energy Secretary
Steven Chu (r) with
Lab Director Sam
Aronson (l) and
PHENIX Operations
Manager Ed O'Brien,
April 21, 2011



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Relationships: DOE and BHSO

Brookhaven Site Office:

- Is DOE's on-site representative
- Administers the M&O contract
- 'Partners' with BNL to optimize performance



Secretary Chu (front center) and Office of Science Deputy Director for Science Programs Pat Dehmer (at Chu's left) with Brookhaven Site Office personnel, March 23, 2009

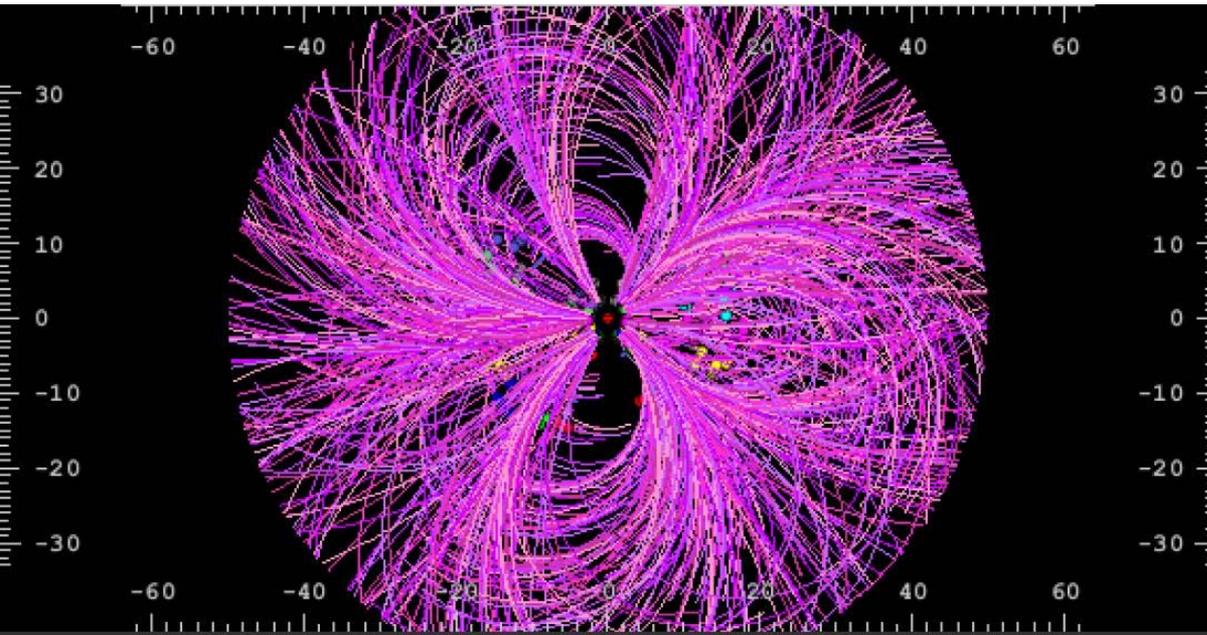


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Administering the M&O Contract

- Set contract expectations
- Monitor performance to those expectations
- Facilitate performance
- Provide feedback on performance
- Provide accountability, if required



A single collision of 200 GeV gold ions as measured by the silicon vertex tracker at the Relativistic Heavy Ion Collider's PHENIX detector.



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‘Partnering’ with BSA

BHSO and BSA ‘partner’ to deliver the science mission at BNL:

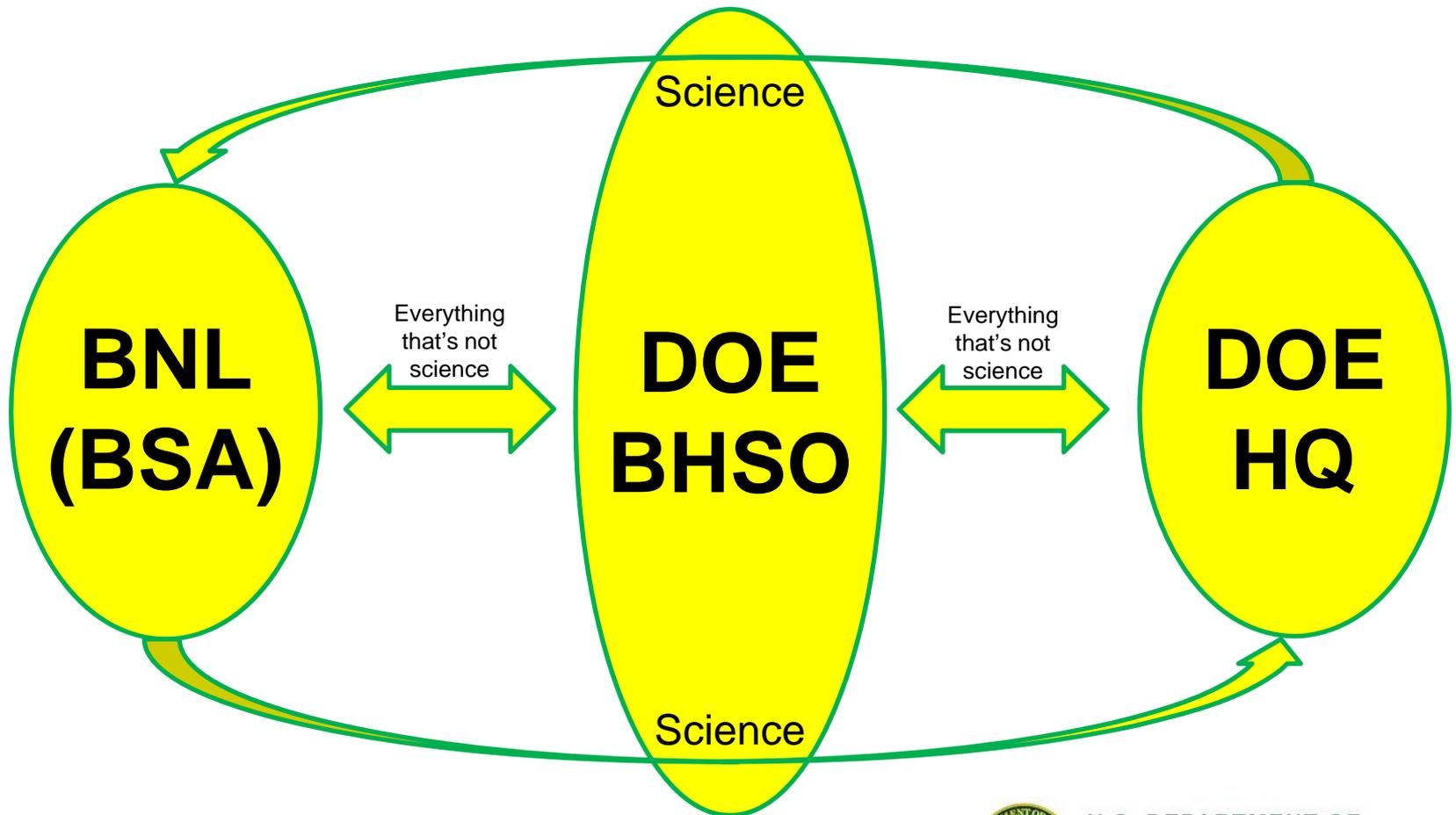
- Strategic, tactical planning
- Budgets, contracts, procurements
- Facilities and operations
- Environment, safety, health
- Projects (e.g., NSLS-II, ISB, LISF, environmental restoration, etc.)
- Communications, education, government, public affairs



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Relationships and Information Flow



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