



U.S. DEPARTMENT OF
ENERGY

Office of
Science

Office of Science Program Update

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U.S. Department of Energy

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Outline

- **Budget update – FY 2020 Appropriation Enacted**
- **SC Reorganization**



Office of Science Budget Status

		FY 2019		FY 2020		FY 2020 Enacted vs.	
		President's	Enacted	President's	Enacted	FY 2020 Request	
Office of Science		Request	Approp	Request	Approp		
	Advanced Scientific Computing Research	899,010	935,500	920,888	980,000	44,500	4.8%
	Basic Energy Science	1,850,000	2,166,000	1,858,285	2,213,000	47,000	2.2%
	Biological and Environmental Research	500,000	705,000	494,434	750,000	45,000	6.4%
	Fusion Energy Sciences	340,000	564,000	402,750	671,000	107,000	19.0%
	High Energy Physics	770,000	980,000	768,038	1,045,000	65,000	6.6%
	Nuclear Physics	600,000	690,000	624,854	713,000	23,000	3.3%
	Workforce Development for Teachers and Scientists	19,000	22,500	19,500	28,000	5,500	24.4%
	Science Laboratories Infrastructure	126,852	232,890	163,600	301,000	68,110	29.2%
	Safeguards and Security	106,110	106,110	110,623	112,700	6,590	6.2%
	Program Direction	180,000	183,000	183,000	186,300	3,300	1.8%
Total Office of Science		5,390,972	6,585,000	5,545,972	7,000,000	415,000	6.3%

FY 2020 Enacted Budget Highlights

The House-Senate agreement provides \$7,000,000,000 for the Office of Science.

Including,

- \$71,000,000 for Artificial Intelligence and Machine Learning for the six Office of Science programs to apply those capabilities to the Department's mission,
- \$195,000,000 for Quantum Information Sciences across the Office of Science programs to advance early-stage fundamental research in this field of science, including \$120,000,000 to carry out a basic research program on quantum information science and \$75,000,000 for the establishment of up to five National Quantum Information Science Research Centers, and
- \$242,000,000 for the U.S. contribution to the ITER project, of which not less than \$85,000,000 is for in-cash contributions.

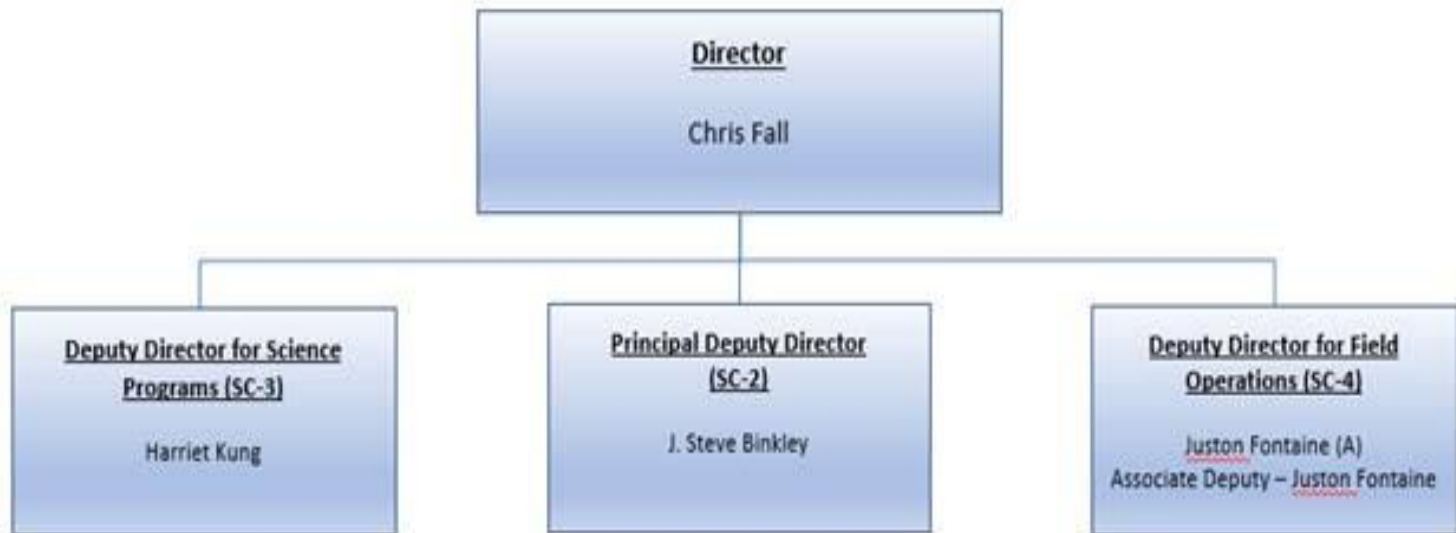
Two major construction starts:

- line-item funding for the Electron-Ion Collider (EIC) in Nuclear Physics,
- line-item funding for the Stable Isotope Production and Research Center at ORNL.

Directed activities in ASCR, BES, BER, and FES.

Office of Science Reorganization

- Better aligns the organization to achieving strategic goals
- Mostly affects the top levels of the organization
- Establishes the Principal Deputy Director position
- Eliminates the Deputy Director for Resource Management
- Minimal changes below the Deputy Director level
- Currently going through the DOE approval process





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