

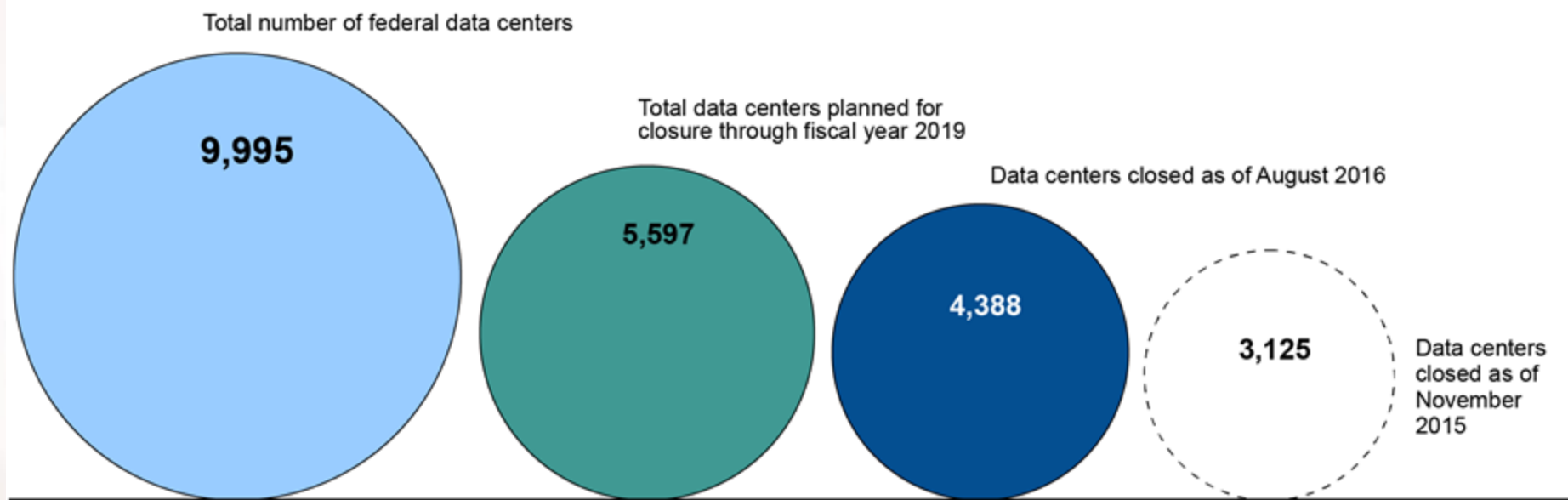


Data Center Consolidation and Optimization: Highlights of GAO's Recent Work

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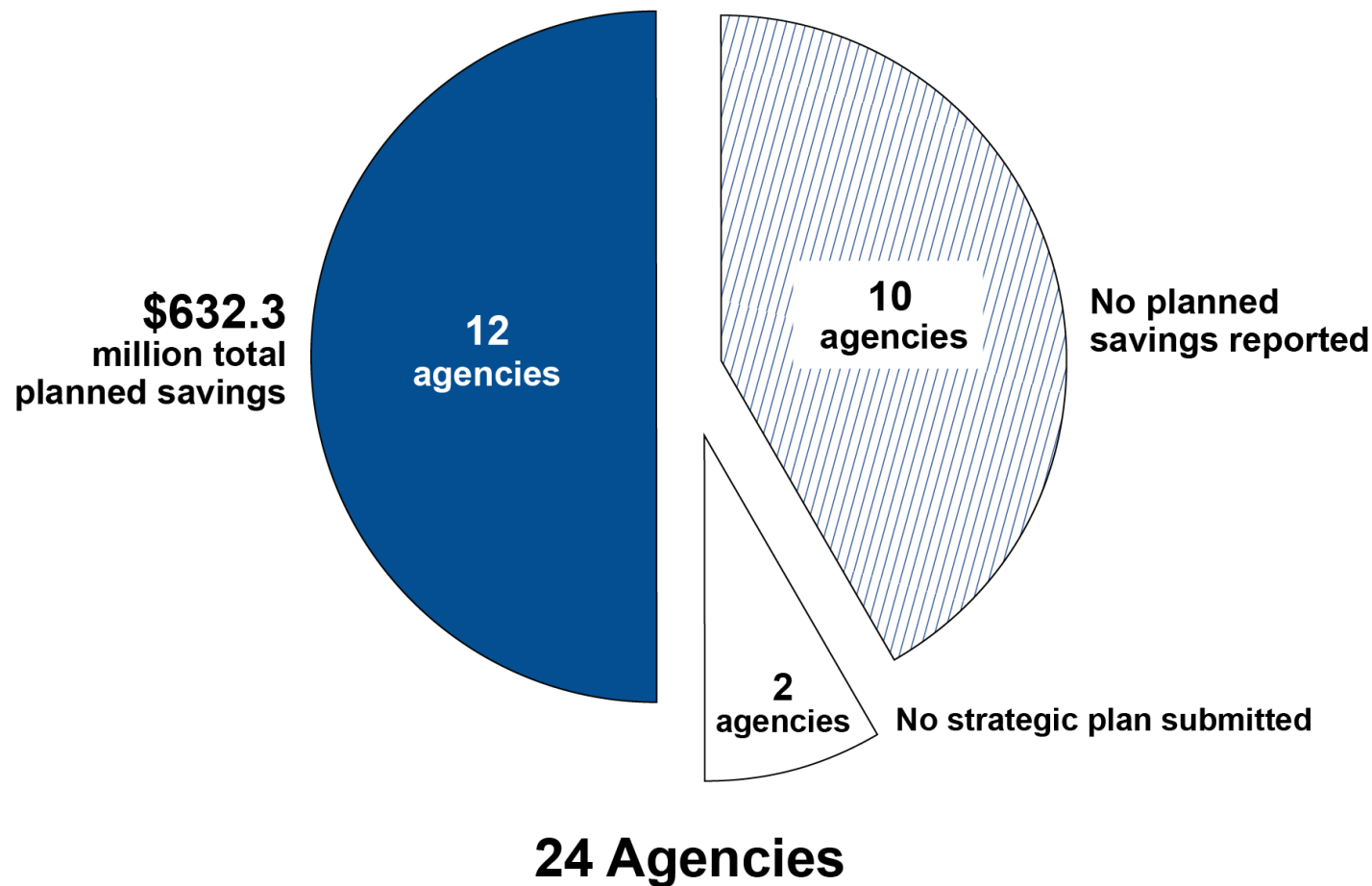
Data Center Closures

Agencies' Total Data Centers and Completed and Planned Closures (FY 2010 – FY 2019)



Planned Data Center Cost Savings

Planned Cost Savings Reported in Agency DCOI Strategic Plans (FY 2016 – FY 2018)



Data Center Optimization Progress

Agency	Server utilization and automated monitoring	Energy metering	Power usage effectiveness	Facility utilization	Virtualization
Department of Agriculture	○	○	○	○	●
Department of Commerce	○	○	○	○	○
Department of Defense	○	○	○	○	○
Department of Education	n/a	n/a	n/a	n/a	n/a
Department of Energy	○	○	○	○	○
Department of Health and Human Services	○	○	●	○	○
Department of Homeland Security	○	○	○	○	○
Department of Housing and Urban Development	n/a	n/a	n/a	n/a	n/a
Department of the Interior	○	○	○	○	○
Department of Justice	○	○	○	○	○
Department of Labor	○	○	○	○	○
Department of State	○	○	●	○	○
Department of Transportation	○	○	○	○	○
Department of the Treasury	○	○	○	○	○
Department of Veterans Affairs	○	○	●	○	○
Environmental Protection Agency	○	●	●	○	●
General Services Administration	○	○	○	○	●
National Aeronautics and Space Administration	○	○	○	○	○
National Science Foundation	○	n/a	n/a	n/a	n/a
Nuclear Regulatory Commission	○	○	○	○	●
Office of Personnel Management	○	○	○	○	●
Small Business Administration	○	○	○	○	○
Social Security Administration	○	●	●	●	○
U.S. Agency for International Development	○	n/a	n/a	n/a	n/a

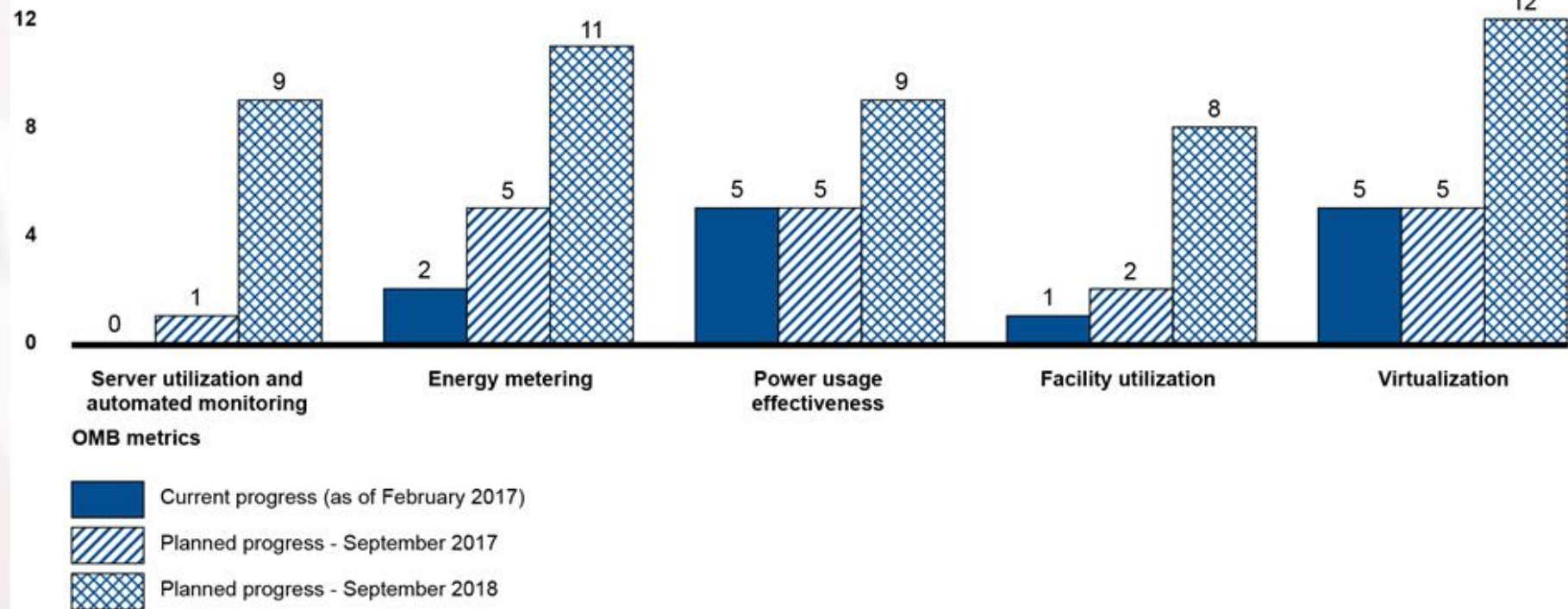
Key: ● = met—the agency's reported progress met or exceeded OMB's target for the related metric. ○ = not met—the agency's reported progress did not meet OMB's target for the related metric. n/a = not applicable.

Data Center Optimization Plans

Agency	Current progress from OMB's Information Technology Dashboard (as of February 2017)	Planned optimization performance from agency data center optimization strategic plan as of:	
		September 2017	September 2018
Department of Agriculture			
Department of Commerce			
Department of Defense		No plan submitted	No plan submitted
Department of Education	Not applicable	Not applicable	Not applicable
Department of Energy			
Department of Health and Human Services			
Department of Homeland Security			
Department of Housing and Urban Development	Not applicable	Not applicable	Not applicable
Department of the Interior			
Department of Justice			
Department of Labor			
Department of State			
Department of Transportation			
Department of the Treasury			
Department of Veterans Affairs			
Environmental Protection Agency			
General Services Administration			
National Aeronautics and Space Administration			
National Science Foundation			
Nuclear Regulatory Commission			
Office of Personnel Management		No plan submitted	No plan submitted
Small Business Administration			
Social Security Administration			
U.S. Agency for International Development			

Data Center Optimization Plans

Number of agencies meeting or exceeding OMB's optimization target



Ongoing GAO Work

Data center-related work

- FITARA Annual Data Center Consolidation Mandate
- Data Center Optimization Progress

Other FITARA-related work

- Agency CIO Authorities
- IT Budgeting Practices
- IT Contract Approval
- Incremental Development of Major IT Investments
- Cloud Implementation

Questions?