



U.S. DEPARTMENT OF
ENERGY

Report on Uncosted Balances for Fiscal Year Ended September 30, 2012

Report to Congress
May 2013

United States Department of Energy
Washington, DC 20585

Message from the Acting Secretary of Energy

As required by the Energy Policy Act of 1992 (Public Law 102-486), the Department of Energy is submitting a *Report on Uncosted Balances for Fiscal Year Ended 2012*. This report presents the results of the Department's annual analysis of uncosted obligation balances against pre-defined thresholds for various types of funding.

Pursuant to statutory requirements, this report is being provided to the following Members of Congress:

- **The Honorable Barbara Mikulski**
Chairwoman, Senate Committee on Appropriations
- **The Honorable Richard C. Shelby**
Ranking Member, Senate Committee on Appropriations
- **The Honorable Hal Rogers**
Chairman, House Committee on Appropriations
- **The Honorable Nita Lowey**
Ranking Member, House Committee on Appropriations
- **The Honorable Dianne Feinstein**
Chairman, Senate Subcommittee on Energy and Water Development, Committee on Appropriations
- **The Honorable Lamar Alexander**
Ranking Member, Senate Subcommittee on Energy and Water Development, Committee on Appropriations
- **The Honorable Rodney P. Frelinghuysen**
Chairman, House Subcommittee on Energy and Water Development, Committee on Appropriations
- **The Honorable Marcy Kaptur**
Ranking Member, House Subcommittee on Energy and Water Development, Committee on Appropriations
- **The Honorable Fred Upton**
Chairman, House Committee on Energy and Commerce
- **The Honorable Henry A. Waxman**
Ranking Member, House Committee on Energy and Commerce

- **The Honorable Ralph M. Hall**
Chairman, House Committee on Science, Space, and Technology
- **The Honorable Eddie Bernice Johnson**
Ranking Member, House Committee on Science, Space, and Technology
- **The Honorable Ron Wyden**
Chairman, Senate Committee on Energy and Natural Resources
- **The Honorable Lisa Murkowski**
Ranking Member, Senate Committee on Energy and Natural Resources

If you have any questions or need additional information, please contact me or Mr. Jeff Lane, Assistant Secretary for Congressional and Intergovernmental Affairs, at (202) 586-5450.

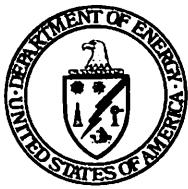
Sincerely yours,



Daniel B. Poneman

Executive Summary

As required by the Energy Policy Act of 1992 (Public Law 102-486), the Department of Energy is submitting a *Report on Uncosted Balances for Fiscal Year Ended 2012*. This report presents the results of the Department's annual analysis of uncosted obligation balances against pre-defined thresholds for various types of funding.



REPORT ON UNCOSTED BALANCES FOR FISCAL YEAR ENDED SEPTEMBER 30, 2012

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Legislative Language

Section 2307 of the Energy Policy Act of 1992 (42 U.S.C. § 13526) requires the Department of Energy (Department or DOE) to submit an annual report to Congress on the state of the Department's uncosted obligations. The section requires the report to identify the uncosted obligations at the end of the previous fiscal year (FY), describe the purpose of those funds, and describe the effect the information had on the annual budget request.

Purpose

This report presents an analysis of the Department's uncosted balances for FY 2012. In FY 2009, the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA) provided the Department an additional \$36.7 billion of funding. The FY 2012 uncosted balances associated with Recovery Act funding are separately presented in Figure 1, but are not included in the additional analysis of uncosted balances in this report. The increase in uncosted obligations starting in FY 2009 is partly due to the time limits set for costing the Recovery Act funds so these funds were used prior to the base funds. Figure 2 presents the changes over the last eight years in the uncosted obligations as a percent of funds available to cost at the end of that fiscal year.

Background and DOE's Approach

The Department's uncosted balances increased steadily from FY 1998 through FY 2009 but in recent fiscal years, there has been a decline in the uncosted balances. Historically, the Department used a comprehensive approach to systematically manage and analyze uncosted balances. DOE's original approach was developed in FY 1996 in response to Government Accountability

Office (GAO) criticism that the Department did not have a standard, effective approach for identifying excess carryover balances that might be available to reduce future budget requests.

Figure 1

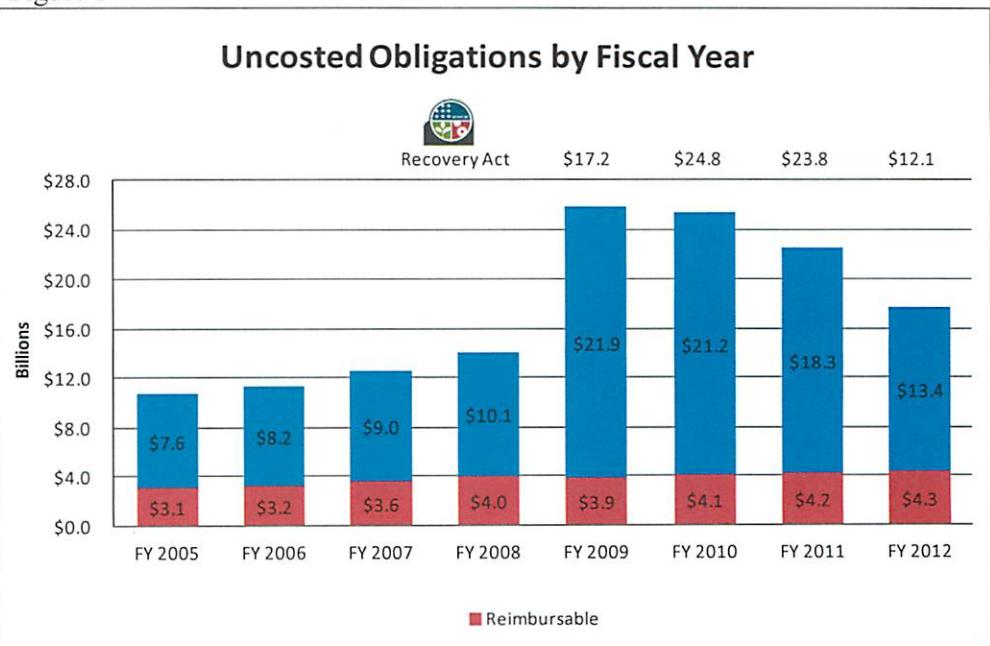
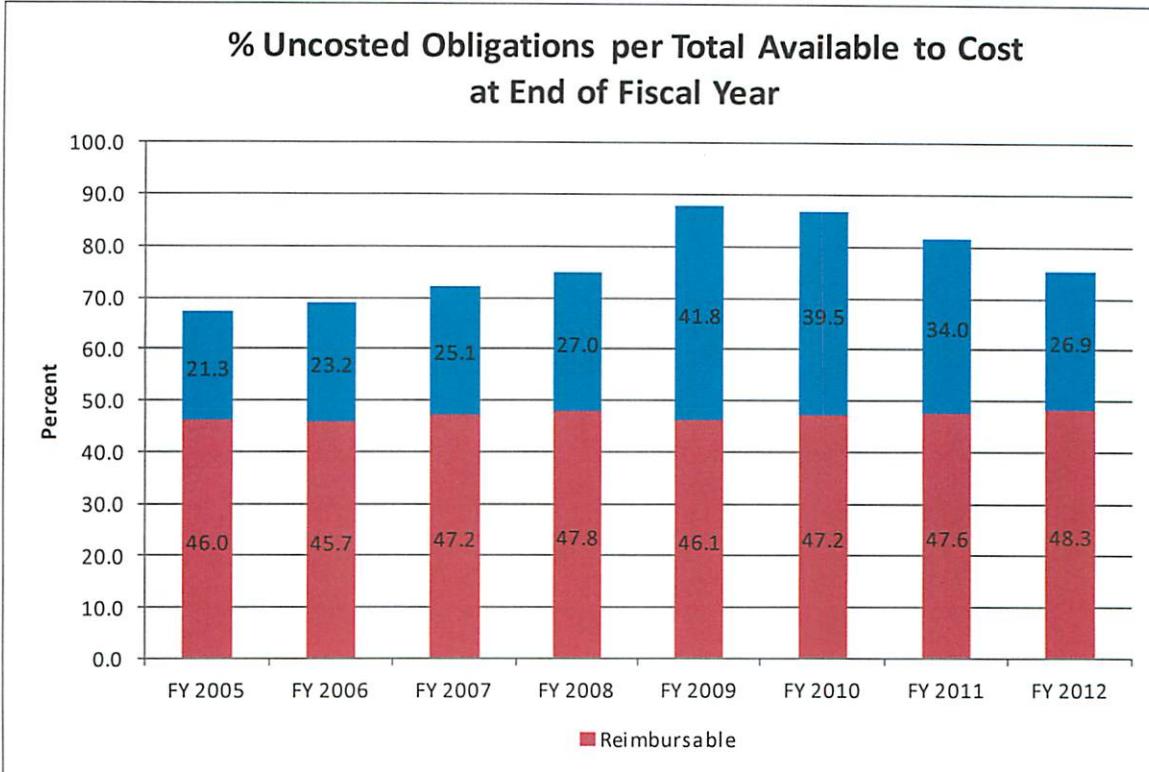


Figure 2



To address GAO's concerns, DOE established percentage thresholds specifying levels of uncosted balances consistent with sound financial management for specific types of financial / contractual arrangements. This allowed the Department to evaluate its overall performance based on the variance between target thresholds and actual uncosted balances. The Department established the target thresholds through internal analysis and discussions with GAO. A target threshold is defined as an analytical reference point (i.e., a specific dollar value or percentage of funds available) beyond which uncosted obligation balances should be given greater scrutiny. Balances in excess of these thresholds are subjected to more intensive review and require a more detailed explanation or justification to determine their cause and to identify the expectation for full costing. Table 1 defines the Department's uncosted categories and associated thresholds.

Table 1

CATEGORY	THRESHOLD
Contractor Operating Costs: Costs incurred by Site/Facility Management Contractors (SFMC).	13% of the Total Funds Available to Cost (TAC)* for contractor operating activities for the FY just ended.
Federal Operating Costs: Operating costs not related to SFMCs or other identified categories.	17% of the TAC for Federal operating activities for the FY just ended.

<p>Capital Equipment (CE), General Plant Projects (GPP) & Accelerator Improvement Projects (AIP): Costs incurred for CE, GPP and AIP. CE includes those items that meet the accounting criteria for capitalization.</p> <ul style="list-style-type: none"> • Line Item Construction • Grants • Cooperative Research and Development Agreements and other Cooperative Agreements • Reimbursable Work 	<p>50% of the TAC for CE, GPP and AIP, respectively, for the FY just ended.</p>
<p>*Total Available to Cost (TAC) represents the total of all obligated amounts that are available for costing during the year. TAC is calculated as Beginning Uncosted +Current Year Obligations.</p>	

To arrive at a target percentage for each category of funding, the Department analyzed the typical funding patterns and balanced those with what should be reasonably expected given typical procurement and funding execution patterns. The Department also examined GAO's methodology for reviewing uncosted balances before making a final determination of the Department's target percentages. The three include:

- Federal Operating Costs (17 percent): The 17 percent threshold for Federal Operating Costs represents approximately two months of carryover available at the beginning of the next fiscal year to facilitate the receipt of new funding and processing of procurement requests. This assumes no funding delays (e.g., continuing resolution) and the use of basic funding instruments (e.g., no special procurement instruments that would require extended solicitations).
- Contractor Operating Costs (13 percent): In working with our laboratory budget directors, it was proposed that the more streamlined procurement processes of the contractors would allow for a slightly accelerated obligation pattern if funding is received in a timely manner. Therefore, they proposed a more stringent threshold (based on an analysis of typical obligation and costing patterns) of 13 percent.
- Capital equipment projects (50 percent) in total typically have higher uncosted balances since many are multi-year in nature. Therefore, as much as 50 percent could be uncosted in the first year of the award. Since we have a continuous stream of new projects and old project completions, 50 percent was set as a reasonable threshold beyond which further justification should be considered. Setting a lower threshold would likely cause the automatic review of most projects, which would find the same root cause for the delay in costing (i.e., the first year of a multi-year contract).

To identify thresholds at the appropriate level, the Department first segregates the uncosted balance for each appropriation by the categories identified in Table 1. The thresholds for each category are then calculated using the established percentages. The line-item construction and grant categories are assessed individually and are therefore removed. The category thresholds are then rolled together to obtain the overall threshold amount by

appropriation. The combined threshold is then compared to the ending uncosted balance to generate the variance or over / under threshold amount. The threshold analysis section of this report provides more information for the significant variances.

While this approach provides a sound analytical foundation, the Department wanted to incorporate an ongoing management focus and a collaborative forum for the discussion of the Department's financial execution. The Department holds a Business Quarterly Review (BQR) which helps strengthen the ability to effectively execute budgets by providing an understanding of the drivers of high uncosted balances, establishing standard corporate benchmarks for financial performance, strengthening requests for new budget authority, and improving the Department's ability to forecast out-year requirements.

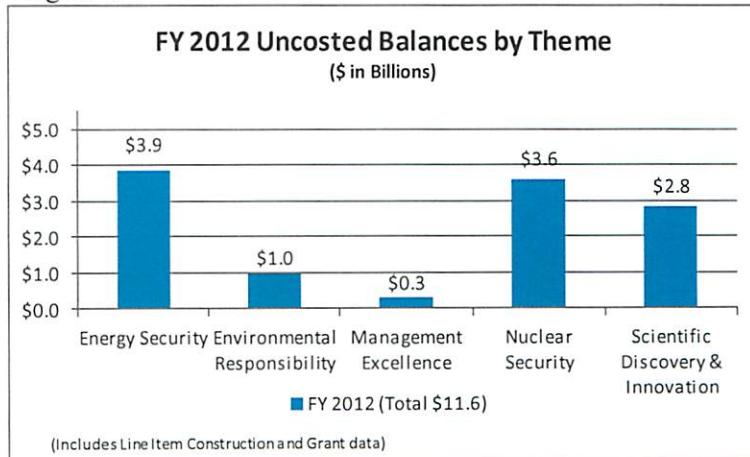
Additionally, the Department has refocused attention on aging uncosted balances (any balance older than two years prior to current fiscal year). Emphasis has been placed on these aged balances and understanding why they remain uncosted through the use of monthly financial reports. The review and understanding of these aged balances have permitted the Department to use these funds for mission-related work.

The Department's continued use and upgrades to the iPortal system (an application that allows users to access financial, procurement, budget, and personnel information in one online location to provide financial management information for decision making purposes) has enabled further insight into the uncosted balances. The iPortal provides uncosted balances and related data within dashboards for executives and program managers to use in making operational decisions and for preparation of BQR activities and explanations. The iPortal system can display uncosted information using threshold values by category at the Strategic Theme level for the Department – Energy Security, Environmental Responsibility, Management Excellence, Nuclear Security, and Scientific Discovery and Innovation. The iPortal uncosted balances excludes American Recovery and Reinvestment Act funding, reimbursable work for others, and other miscellaneous exclusions to avoid distorting operational uncosted balances.

Current Status of Uncosted Balances

This report provides an analysis of the Department's appropriated uncosted balances for FY 2012 (\$11.6 billion) (exclusive of Recovery Act balances). Figure 3 presents the FY 2012 uncosted balances by theme. The Department leadership takes seriously the careful management of federal resources. While

Figure 3



Continuing Resolutions, the Recovery Act, and other factors described in the report lead generally to slower costing of appropriated dollars, the Department's leadership recognize that there are always opportunities to enhance management control of our balances. We are improving our ability to monitor spending and to take action where necessary to use money to achieve the goals for which it was intended in a timelier manner.

For example, during FY 2013, uncosted balances older than three fiscal years will be closely examined, Business Quarterly Reviews with upper Department management will be held, Quarterly Program Reviews with the program offices will be held, and program offices will submit spend plans for obligations and costing of older balances as well as new budget authority. Spend plan balances will be tracked monthly against actual spending, and justifications for significant deviations will be required. Quarterly program reviews include a focus on the status of the uncosted balances prior to FY 2011 and how the spend plan is being executed when compared to the actual data. These reviews provide scrutiny of program execution as well as more rigor in the analysis of the budgets. The programs are held accountable to the projected year end uncosted balances.

The Department's uncosted balances exceeded thresholds by \$2.4 billion in FY 2012. The following table presents a breakout of threshold variances by themes for FY 2012. It excludes Line-Item Construction and Grants data since these categories are not subject to a specific threshold.

Table 2
Uncosted Balances
Summary Threshold Analysis by Theme
Dollar in Thousands

Theme	Total Available to Cost (TAC)	Year-end Obs Uncosted	% Year-end Obs Uncosted	Year-end Threshold Uncosted	Threshold Variance
Energy Security	4,768,278	1,722,028	36.1%	748,408	973,620
Environmental Responsibility	5,567,423	586,740	10.5%	830,139	-243,400
Management Excellence	1,086,840	299,223	27.5%	176,357	122,866
Nuclear Security	12,580,685	2,860,349	22.7%	1,925,169	935,179
Scientific Discovery and Innovation	5,091,456	1,542,765	30.3%	966,511	576,254
Total	29,094,682	7,011,105	24.1%	4,646,585	2,364,520
(Excludes Line-Item Construction and Grants)					

Threshold Analysis by Theme and Appropriation

Explanation of Significant Threshold Variances

As noted earlier in this report, the purpose of the threshold approach is to provide a reference point beyond which further analysis of uncosted balances is required. It cannot be assumed that any amount over threshold is inherently available or unnecessary or that any amount under threshold is appropriate or justified. In addition to providing a basis for assessing the appropriateness of balances, this analysis helps to identify types of funding and contractual instruments that display inherently higher balances than typical operating funding.

It is important to note that the amount over threshold represents a “net” amount at the Departmental level, and that this variance consists of a combination of over and under-threshold amounts for various appropriations. The following sections identify the key drivers/justifications for appropriations with significant over-threshold amounts. Threshold variances for all appropriations are provided in Appendix 1.

Energy Security - \$1.0 Billion over Threshold

Appropriation 89-X-0213 Fossil Energy Research and Development

This appropriation exceeds the threshold by a net amount of \$89.5 million. For FY 2012, Fossil Energy had a large uncosted obligation in part due to the amount of funds obligated late in the fiscal year.

The Fuel and Power Systems program has \$181.6 million in uncosted funds due to several large projects being delayed due to: finishing detailed design before beginning construction to limit potential construction overruns; projects that require the use and availability of long-lead time equipment; and delays in receiving funding for obligations due to a late full year appropriation. Several projects under Fuels and Power Systems were funded with both ARRA and base funding. These recipients will cost the ARRA funds before the base funds.

Congressionally Directed Projects consist of \$18.5 million in uncosted balances contained within the \$181.6 million. This is due to project delay pushing out budget periods. Several of the completed projects are awaiting final reports before financial close out can be completed.

Appropriation 89-X-0218 Strategic Petroleum Reserve (SPR)

This appropriation exceeds the threshold by a net amount of \$35.1 million. Majority of SPR uncosted balances are on Management & Operating (M&O) contracts related to the on-going critical work for continued maintenance and operations of the SPR. Other significant uncosted balances are necessary for contracts to proceed with Bayou Choctaw Cavern 20 Replacement.

Appropriation 89-X-0318 Electricity Delivery and Energy Reliability (OE)

This appropriation exceeds the threshold by a net amount of \$59.9 million. This is a reduction of three percent in uncosteds overall compared to FY 2011. Reasons for the over threshold amounts include:

Delayed final appropriations, which limited the availability of funds, resulted in delayed obligations. Nearly 60 percent of the obligations in FY 2012 (which constitute about two-thirds of OE's uncosted balances) were made in the last five months of the year, with 20 percent of those completed in September. Limited funds under the Continuing Resolution (CR) in FY 2012, along with ongoing uncertainty about potential budget reductions and an anticipated CR in FY 2013, also resulted in more conservative costing to minimize funding disruptions.

In 89-X-0318, uncosted balances, which support numerous projects in multiple programs, include more than \$18 million for competitive awards to National Laboratories for Cyber Security R&D, which were not obligated until August and September 2012; \$5 million in transmission reliability research obligated to the National Science Foundation which awards funds competitively to universities; approximately \$4 million for the Power Electronics program which is transitioning to close out and completing activities; and more than \$6 million in Congressionally Directed Projects.

Appropriation 89-X-0319 Nuclear Energy

This appropriation exceeds the threshold by a net amount of \$163.9 million. The primary driver for this over-threshold amount is \$139.9 million of uncosted balances within the Nuclear Energy University Program (NEUP). NEUP awards are fully funded 3-year R&D cooperative agreements. Fully funding the awards results in planned uncosted balances equal to 233 percent of annual funding levels of about \$60 million. The remainder of the over-threshold balances is primarily associated with activities impacted by the delayed enactment of final appropriation.

Appropriation 89-X-0321 Energy Efficiency and Renewable Energy

This appropriation exceeds the threshold by a net amount of \$505.4 million. This is a reduction of \$28.0 million, or five percent from the FY 2011 over-threshold amount of \$533.4 million. The overall uncosted balance for the Office of Energy Efficiency and Renewable Energy (EERE) at the end of FY 2012 was \$1,735 million or 45 percent of the \$3,859 million total available for costing (TAC). Of \$1,735 million, \$536 million is from the FY 2012 appropriation. This is due in large part to a Continuing Resolution for nearly the entire first quarter which delayed the availability of funds and resulted in many procurements being awarded late in the fiscal year. These delays caused an increase in uncosted balances at the end of the year. The EERE uncosted balances are being fully utilized for high priority EERE mission objectives. The programs are performing a rigorous assessment of contracts, grants, and agreements to reduce uncosted obligations by closing out projects which are tying up prior year appropriations. This is being accomplished by deobligating funds from inactive projects and redeploying the funds to accelerate current program priorities, as

appropriate. As such, uncosted obligation balances may temporarily rise, but will result in a permanent reduction to prior year uncosted balances for the overall EERE program.

Of the balances and thresholds contained in this report, EERE is over the Federal Operating threshold by \$190.1 million, the M&O Contractor (Site/Facility Management Contractor [SFMC]) threshold by \$322.9 million, and under the Capital Equipment/General Plant Project (CE/GPP/AIP) threshold by \$7.5 million. Federal Operating balances are primarily the result of FY 2011 funds committed for Funding Opportunity Announcements (FOAs) which were delayed until FY 2012 due to a restriction in the FY 2011 Continuing Resolution that prohibited new starts in Solar Energy, Advanced Manufacturing, Wind Energy, and other EERE mission critical activities. This impacted a breadth of EERE programs such as: \$32.6 million for Solar Energy FOAs associated with the Solar Energy Concentrating Solar Power Demonstration and Solar Energy Market Transformation; \$26.2 million for the Advanced Manufacturing Innovative Manufacturing Initiative; and \$8.9 million for the Wind Energy Offshore Wind Demonstration. Also, in FY 2012 EERE fully funded upfront multi-year contract awards, except for Offshore Wind, contributing to higher uncosted balances. Additionally, many procurements were awarded late in the fiscal year due to a Continuing Resolution. Finally, multi-year and ongoing activities such as the EERE support service contracts contributed to the over threshold balance.

The M&O Contractor balance is attributed primarily to operating under a Continuing Resolution for the first quarter which delayed the availability of FY 2012 funds and resulted in many procurements being awarded late in the fiscal year which caused an increase in uncosted balances at the end of the year. This contributed to uncosted balances of \$46.3 million for Solar Energy Photovoltaic Applied Research and Systems Integration work at the National Renewable Energy Laboratory (NREL) and Sandia National Laboratory; \$30.7 million for Vehicle Technologies work on Batteries and Electric Drive at Argonne, Battelle, and Lawrence Berkeley Laboratories; \$13.1 million for Building Technologies in support of Residential and Commercial R&D; and \$17.6 million for infrastructure at NREL including the construction of the Energy Systems Integration Facility. Other contributors to M&O Contractor balances are upfront funding for leases, subcontracts, and laboratory RD&D to prepare for CRs, the uncertainty of a CR with flat funding, awards from solicitations resulting from FOAs, and M&O contractors are sometimes slow to cost R&D.

EERE's CE/GPP/AIP balances are under the threshold primarily because EERE's Capital Equipment and General Plant Projects were on schedule for cost and performance. EERE projected the long lead times on procuring scientific instruments that consist of design, testing, and final acceptance before costing occurs, and also anticipated the upfront funding necessary for facility projects at the time the CE and GPP awards were made.

Nuclear Security - \$0.9 Billion over Threshold

Appropriation 89-X-0240 Weapons Activities

This appropriation exceeds the threshold by a net amount of \$95 million.

Programmatically, these balances were most prevalent in the following programs: Readiness in Technical Base and Facilities (RTBF), Life Extension Programs (LEP), Secure Transportation Asset (STA), Defense Nuclear Security, Cyber Security, and Site Stewardship.

RTBF balances were above threshold due to: the Kansas City Responsive Infrastructure Manufacturing and Sourcing (KCRIMS) project and infrastructure projects at the Savannah River Site. KCRIMS groundbreaking occurred in September 2010. Uncosted balances are associated with GSA Tenant Improvements (TI) and Relocation Contracts. The physical move began in January 2013 and is estimated to take 18 months, bringing the end date to August 2014. Ongoing and completed TI work will be completed in December 2013 and should be costed by the 3rd quarter, FY 2013.

Within Life Extension Programs, uncosted balances over threshold in the B61 LEP were due to congressional obligation restrictions pending submission of the B61 LEP Phase 6.3 Congressional Report. Approximately \$37 million for the B61 LEP was released in August 2012 after the National Nuclear Security Administration (NNSA) delivered the report to Congress. Due to the late release of the funds, the B61 LEP was not able to cost all funds in FY 2012. As indicated in the B61 LEP Phase 6.3 Congressional Report, these carryover funds will supplement the FY 2013 President's Budget and offset the funding difference between the B61 LEP Weapon Design Cost Report and the FY 2013 Request.

Uncosted balances over threshold for the W76 LEP include encumbered funds associated with vendor contracts for long lead hardware procurements. The remaining uncosted balance resulted from schedule changes due to unanticipated hardware shortages which delayed production funding, continuous Arming Fusing & Firing build equipment at KCP being procured for less than originally estimated, and deferred material buys in order to preserve funding for operations during FY 2013 to address a known funding shortfall as identified by the Selected Acquisition Report.

Uncosted balances over threshold in STA result from facility GPPs and long lead procurement and modifications to vehicles, aircraft, communication and surety systems. Most activities will be costed by the end of FY 2013.

For Defense Nuclear Security, uncosted balances over threshold were due to: a number of physical security systems project upgrades approved and funded late in the fiscal year; funding placed late in the year on Technical Support contracts to provide subject matter expert support to the sites for vulnerability assessments, security inspections, and special classification reviews; for the Protective Force contract

transition at NPO Pantex/Y-12; for Personnel Security for clearances in process and funding that is anticipated to be spent on the clearance process; and for Headquarters technical support placed against tasks late in the fiscal year. In addition, a small portion of uncosted balances are associated with the Special Nuclear Materials Consolidation project for construction costs at Idaho National Laboratory; the Department is actively exploring options to fully utilize these funds.

The Cyber Security program uncosted balances over threshold result from delayed decisions for the transformation strategy to lower costs, improve security, and enable collaboration solutions that support the OneNNSA (2NV) vision, procurements issued late in the fiscal year for infrastructure activities, and long lead procurements for conversions and improvements at NNSA landlord sites.

For Site Stewardship, uncosted balances over threshold result from regulatory requirements tied to specific plans awaiting approval by host State environmental oversight agencies, ongoing efforts associated with a joint treatment program, removal of special nuclear material, and the approval of a reprogramming in August for the removal of special nuclear materials at Sandia National Laboratory.

Appropriation 89-X-0309 Defense Nuclear Nonproliferation (DNN)

This appropriation exceeds the threshold by a net amount of \$886.4 million.

DNN submits a semi-annual report on its uncosted/unencumbered balances in response to the requirement given in Section 3254 of the National Nuclear Security Act. A more detailed explanation of the programs uncosted balances can be found in that appropriation specific report for end-of-year FY 2012.

Uncosted balances for DNN often exceed departmental thresholds due to the program's variety of overseas projects. Sound management and programmatic necessities require work to be fully completed and verified before DNN disburses funds in non-U.S. venues. For these reasons, the program also reports unencumbered balances, which are more reflective of DNN's financial performance. Encumbered balances are defined as uncosted obligations under contracts awarded by integrated M&O contractors plus uncosted balances for direct contracts awarded to non-M&O contractors. Unencumbered funds are those for which there are no such encumbrances. At year end, 8.6 percent of total DNN funding was unencumbered. If unencumbered funds are used as the metric, DNN execution is within the DOE thresholds.

In Nonproliferation and Verification Research and Development (25.5 percent uncosted; 13.2 percent unencumbered), balances are due to the awarding of multi-year university research grants, which are forward-funded, and delays in the processing of small purchases and support service contracts. These balances allow for improvements to test bed facilities, continuation of major field experiments and

demonstrations, long lead procurements, sensor production activities, multi-year university contracts, small purchases, and payment of laboratory salaries and cost of personnel assigned to perform tasks for the R&D program.

The Elimination of Weapons-Grade Plutonium Production program (35.0 percent uncosted; 10.3 percent unencumbered) was closed out at the end of 2011 with uncosted balances well below thresholds. Minimal remaining balances are for contract closeout activities, to include Defense Contract Audit Agency (DCAA) audits.

In Nonproliferation and International Security (22.1 percent uncosted; 10.8 percent unencumbered), balances result from activities that were planned to occur late in FY 2012, but were rescheduled due to unanticipated delays in the foreign partner and U.S. inter-agency approval process, and in the resolution of international policy issues. Activities are expected to occur and be costed primarily in the first quarter of FY 2013.

For International Nuclear Materials Protection and Cooperation (54.9 percent uncosted; 10.2 percent unencumbered), uncosted balances result from the program committing funds on contracts for identified work and only costing those funds when the work has been completed, which can span multiple fiscal years. International Nuclear Materials Protection and Cooperation (INMP&C) maintains financial controls to keep uncosted balances as low as possible via the prompt payment on deliverables where assurances have been met and to increase the pace of work wherever possible.

Balances within U.S. Fissile Materials Disposition (40.9 percent uncosted; 20.5 percent unencumbered) are required to support the goal to dispose of at least 34 metric tons of surplus weapon-grade plutonium. These balances will be used to fund the procurement of mechanical equipment, piping, electrical cables, and other items in support of the Mixed Fuel Fabrication Facility (MFFF). The remaining balance will support the development of Mixed-Oxide (MOX) fuel assembly shipping containers, qualification of MOX fuel designs, procurements of pit shipping containers, and continuation of production of certified plutonium oxide at Los Alamos National Laboratory to be used as early feedstock for the MFFF. These activities are essential to begin MOX operations.

Within U.S. Plutonium Disposition, unencumbered balances over threshold (\$15.1 million) are largely associated with the delays in MOX construction project. The FMD's original goal was to ramp-up cold start-up activities in FY 2012, but due to delays with the MOX construction project such activities have been slowed down. The MOX project continued to cost the construction line item funds versus the Other Project Cost funds within U.S. plutonium disposition.

Within U.S. Uranium Disposition, minimal unencumbered balances over threshold (\$0.3 million) are the result of delays in processing and shipping surplus highly enriched uranium to disposition sites. These delays occur when the characterization of legacy fissile materials that was in safeguarded storage for many years, require additional work plans prior to shipping. Funding supports work projected for FY 2013.

Russian Fissile Materials Disposition (88.4 percent uncosted; 70.3 percent unencumbered) balances will be encumbered and costed once an agreement is reached between the United States and Russia on milestones in accordance with the amended Plutonium Management and Disposition Agreement (PMDA). While the majority of these balances are over threshold (\$15.0 million), the remainder of these funds will allow the program to maintain the level of effort required to provide oversight of the program.

Balances within the Global Threat Reduction Initiative (49.2 percent uncosted; 4.4 percent unencumbered) reflect a record low unencumbered balance. Uncosted balances stem from long-lead procurement and delays in the contracting and approval process with foreign entities.

Scientific Discovery & Innovation - \$0.6 Billion over Threshold

Appropriation 89-X-0222 General Science and Research Activities, Operating
This appropriation exceeds the threshold by a net amount of \$589 million. The overall uncosted balance for Office of Science (SC) at the end of FY 2012 is \$2,788 million or 36 percent. Of the \$2,788 million, \$2,257 million is from the FY 2012 Appropriation. This is due in large part to quarterly Apportionment of funds both delaying availability of funds resulting in an abundance of late in the fiscal year awards that cause an increase in uncosted balances at the end of the year.

Of the balances and thresholds contained in this report, the Office of Science is over the Federal Operating threshold by \$33.8 million, the M&O Contractor (Site/Facility Management Contractor [SFMC]) threshold by \$549.2 million, but under the Capital Equipment/General Plant Project (CE/GPP/AIP) threshold by \$7 million.

Federal Operating balances are a result of awards at the end of the fiscal year that are costed throughout the following fiscal year; multi-year and ongoing activities such as support service contracts at DOE's HQ, Field, and Office of Science and Technical Information, and Working Capital Funds; for audit closeout that will either be completed or deobligated in FY 2013; for upcoming peer reviews, meeting support, IPA activities, and small business contracts; demolition and decontamination planning activities for Holifield Radioactive Ion Beam Facility (HRIBF); funding for the National Institute of Standards and Technology; and ongoing activities at Naval Academy that has an expected end date of April 14, 2014.

M&O Contractor balances are attributed to late obligations for items such as, but not limited to, Scientific Discovery through Advanced Computing awards (awarded after mid-year and needs more than 13 percent carryover to reach end of award period); Funding Opportunity Announcements; Early Career Awards; High Energy Density Laboratory Plasmas Program awards; materials by design and combustion activities; international collaborations; institutional commitments; large open commitments; and other procurements awarded in September for the September through August academic year. Other contributors to M&O Contractor balances include upfront funding for leases, subcontracts, and field experiments to prepare for CRs; acceptance at the Argonne Leadership Computing Facility was delayed; delayed decision and release of funding from Theory to Fusion Simulation Program; 3-year funding for Princeton Plasma Physics Laboratory's new International Collaboration Framework for Extreme Scale Experiments Multi-international Center; operate Relativistic Heavy Ion Collider; HRIBF balances for demolition and decontamination planning activities; and conservative spending due to uncertainties of CR and to mitigate impacts of a CR with constrained flat funding and a five percent Sequestration hold.

The Office of Science was under the threshold for the CE/GPP/AIP category in FY 2012.

FY 2012 Uncosted Balances
Dollars in Thousands

Theme	Treasury Symbol	Treasury Symbol Name	Budget Exec Funding Category	Total Available to Cost (TAC)	YTD Obs Uncosted	% YTD Obs Uncosted	YTD Threshold Uncosted	Threshold %	Threshold Variance
Energy Security	89-0708-0224	Energy Supply and Conservation	(D) SFMC	2,158	919	42.61%	280	13.00	638.92
				2,158	919	42.61%	280		638.92
	89-0809-0319	Nuclear Energy	(D) SFMC	1,981	1,981	100.00%	258	13.00	1,723.82
				1,981	1,981	100.00%	258		1,723.82
	89-0910-0319	Nuclear Energy	(D) SFMC	2,062	885	42.89%	268	13.00	616.51
				2,062	885	42.89%	268		616.51
	89-1011-0318	Electricity Delivery and Energy Reliability	(C) Federal Operating	42	7	16.33%	7	17.00	-0.28
			(D) SFMC	58	1	1.03%	8	13.00	-6.94
				100	7	7.46%	15		-7.22
	89-1011-0319	Nuclear Energy	(C) Federal Operating	4	0	0.00%	1	17.00	-0.63
			(D) SFMC	1,096	740	67.51%	142	13.00	597.50
				1,100	740	67.28%	143		596.87
	89-1011-0321	Energy Efficiency and Renewable Energy	(C) Federal Operating	100	0	0.00%	17	17.00	-17.00
			(D) SFMC	150	27	18.01%	20	13.00	7.52
				250	27	10.81%	37		-9.48
	89-1112-0319	Nuclear Energy	(D) SFMC	3,499	3,047	87.07%	455	13.00	2,591.82
				3,499	3,047	87.07%	455		2,591.82
	89-12-0243	Other Defense Activities, Environmental and Other Defense Activities, Energy	(C) Federal Operating	1,838	149	8.11%	313	17.00	-163.45
			(D) SFMC	87,745	1,069	1.22%	11,407	13.00	-10,337.61
			(E) CE/GPP/AIP	3,767	590	15.67%	1,883	50.00	-1,293.06
				93,350	1,809	1.94%	13,603		-11,794.13
	89-1213-0213	Fossil Energy Research and Development	(C) Federal Operating	112,241	26,154	23.30%	19,081	17.00	7,072.69
			(E) CE/GPP/AIP	0	0	0.00%	0	50.00	-0.18
				112,242	26,154	23.30%	19,081		7,072.51
	89-1213-0318	Electricity Delivery and Energy Reliability	(C) Federal Operating	17,794	5,655	31.78%	3,025	17.00	2,630.16
				17,794	5,655	31.78%	3,025		2,630.16

Theme	Treasury Symbol	Treasury Symbol Name	Budget Exec Funding Category	Total Available to Cost (TAC)	YTD Obs Uncosted	% YTD Obs Uncosted	YTD Threshold Uncosted	Threshold %	Threshold Variance
Energy Security (cont.)	89-1213-0319	Nuclear Energy	(C) Federal Operating	79,146	9,218	11.65%	13,455	17.00	-4,237.20
			(D) SFMC	2,371	860	36.28%	308	13.00	551.91
				81,516	10,078	12.36%	13,763		-3,685.29
	89-1213-0321	Energy Efficiency and Renewable Energy	(C) Federal Operating	157,484	28,349	18.00%	26,772	17.00	1,576.49
			(D) SFMC	700	581	82.96%	91	13.00	489.75
			(E) CE/GPP/AIP	755	147	19.46%	377	50.00	-230.48
				158,939	29,076	18.29%	27,241		1,835.76
	89-X-0212	Federal Energy Regulatory Commission	(C) Federal Operating	313,279	16,761	5.35%	53,257	17.00	-36,496.51
				313,279	16,761	5.35%	53,257		-36,496.51
	89-X-0213	Fossil Energy Research and Development	(C) Federal Operating	247,832	93,966	37.92%	42,131	17.00	51,834.83
			(D) SFMC	90,236	51,429	56.99%	11,731	13.00	39,698.55
			(E) CE/GPP/AIP	24,342	10,096	41.47%	12,171	50.00	-2,075.48
				362,410	155,491	42.90%	66,033		89,457.89
89-X-0215	Energy Conservation		(C) Federal Operating	1	33	3763.18%	0	17.00	33.03
			(D) SFMC	11	0	0.00%	1	13.00	-1.40
				12	33	284.46%	2		31.63
	89-X-0216	Energy Information Administration	(C) Federal Operating	117,182	24,562	20.96%	19,921	17.00	4,641.54
			(D) SFMC	428	250	58.33%	56	13.00	194.12
				117,610	24,812	21.10%	19,977		4,835.66
89-X-0218	Strategic Petroleum Reserve		(C) Federal Operating	113,632	39,064	34.38%	19,317	17.00	19,746.49
			(D) SFMC	192,539	40,415	20.99%	25,030	13.00	15,385.10
			(E) CE/GPP/AIP	295	142	48.20%	148	50.00	-5.31
				306,466	79,621	25.98%	44,495		35,126.28
	89-X-0219	Naval Petroleum and Oil Shale Reserve	(C) Federal Operating	37,096	20,312	54.76%	6,306	17.00	14,006.06
			(D) SFMC	1,897	1,161	61.20%	247	13.00	914.36
			(E) CE/GPP/AIP	950	0	0.00%	475	50.00	-474.82
				39,942	21,473	53.76%	7,028		14,445.60

Theme	Treasury Symbol	Treasury Symbol Name	Budget Exec Funding Category	Total Available to Cost (TAC)	YTD Obs Uncosted	% YTD Obs Uncosted	YTD Threshold Uncosted	Threshold %	Threshold Variance
Energy Security (cont.)	89-X-0222	General Science and Research Activities, Operating	(C) Federal Operating	3	0	0.00%	0	17.00	-0.47
				3	0	0.00%	0		-0.47
	89-X-0224	Energy Supply and Conservation	(C) Federal Operating	13	29	217.59%	2	17.00	27.08
				13	29	217.59%	2		27.08
	89-X-0228	Departmental Administration, Operating Expenses	(D) SFMC	1	1	100.00%	0	13.00	1.07
				1	1	100.00%	0		1.07
	89-X-0233	Strategic Petroleum Reserve, Petroleum Account	(C) Federal Operating	2,976	2,148	72.17%	506	17.00	1,641.87
			(D) SFMC	16,360	16,345	99.91%	2,127	13.00	14,218.47
				19,336	18,493	95.64%	2,633		15,860.34
	89-X-0235	Clean Coal Technology	(C) Federal Operating	101	0	0.00%	17	17.00	-17.18
			(D) SFMC	105	90	85.80%	14	13.00	76.68
				206	90	43.78%	31		59.50
	89-X-0243	Other Defense Activities, Environmental and Other Defense Activities, Energy	(C) Federal Operating	1,018	786	77.16%	173	17.00	612.50
			(D) SFMC	3,995	4,220	105.63%	519	13.00	3,700.47
			(E) CE/GPP/AIP	-1	0	0.00%	0	50.00	0.49
				5,012	5,005	99.87%	692		4,313.45
	89-X-0244	Defense Nuclear Waste Disposal	(C) Federal Operating	14,027	6,011	42.85%	2,385	17.00	3,625.89
			(D) SFMC	15,256	12,270	80.42%	1,983	13.00	10,286.32
				29,283	18,280	62.42%	4,368		13,912.21
	89-X-0318	Electricity Delivery and Energy Reliability	(C) Federal Operating	85,883	43,240	50.35%	14,600	17.00	28,639.44
			(D) SFMC	105,704	44,993	42.56%	13,742	13.00	31,251.09
			(E) CE/GPP/AIP	318	186	58.36%	159	50.00	26.58
				191,905	88,418	46.07%	28,501		59,917.12
	89-X-0319	Nuclear Energy	(C) Federal Operating	69,042	29,669	42.97%	11,737	17.00	17,931.99
			(D) SFMC	782,547	257,768	32.94%	101,731	13.00	156,036.47
			(E) CE/GPP/AIP	30,890	5,426	17.57%	15,445	50.00	-10,018.54
				882,478	292,863	33.19%	128,913		163,949.92

Theme	Treasury Symbol	Treasury Symbol Name	Budget Exec Funding Category	Total Available to Cost (TAC)	YTD Obs Uncosted	% YTD Obs Uncosted	YTD Threshold Uncosted	Threshold %	Threshold Variance
Energy Security (cont.)	89-X-0321	Energy Efficiency and Renewable Energy	(C) Federal Operating	427,912	262,853	61.43%	72,745	17.00	190,108.21
			(D) SFMC	1,179,708	476,229	40.37%	153,362	13.00	322,867.06
			(E) CE/GPP/AIP	52,384	18,661	35.62%	26,192	50.00	-7,530.86
				1,660,004	757,744	45.65%	252,299		505,444.41
	89-X-5105	Payments to States under Federal Power Act	(C) Federal Operating	3,128	0	0.00%	532	17.00	-531.72
				3,128	0	0.00%	532		-531.72
	89-X-5180	Energy Security Reserve, Alternative Fuels Product	(C) Federal Operating	2	0	0.00%	0	17.00	-0.29
				2	0	0.00%	0		-0.29
	89-X-5227	Nuclear Waste Fund	(C) Federal Operating	24,556	15,378	62.62%	4,175	17.00	11,203.17
			(D) SFMC	1,529	2,273	148.67%	199	13.00	2,074.12
				26,085	17,651	67.67%	4,373		13,277.29
				163,393	7,050	4.31%	27,777	17.00	-20,726.60
Energy Security Total	89-X-5523	Ultra-Deepwater and Unconventional Natural Gas and other Petroleum Research Fund	(C) Federal Operating	171,531	136,916	79.82%	29,160	17.00	107,755.93
			(D) SFMC	1,150	882	76.66%	150	13.00	732.10
			(E) CE/GPP/AIP	35	35	100.00%	18	50.00	17.56
				172,717	137,833	79.80%	29,327		108,505.59
				4,768,278	1,722,028	36.11%	748,408		973,619.69
Environmental Responsibility	89-12-0243	Other Defense Activities, Environmental and Other Defense Activities, Energy	(C) Federal Operating	77,458	13,415	17.32%	13,168	17.00	246.79
			(D) SFMC	77,354	18,792	24.29%	10,056	13.00	8,735.86
				154,812	32,207	20.80%	23,224		8,982.65
		Other Defense Activities, Environmental and Other Defense Activities, Energy	(C) Federal Operating	11,816	721	6.11%	2,009	17.00	-1,287.28
	89-1213-0243	Defense Environmental Cleanup		11,816	721	6.11%	2,009		-1,287.28
			(C) Federal Operating	312,254	44,991	14.41%	53,083	17.00	-8,092.19
			(D) SFMC	6,536	2,912	44.56%	850	13.00	2,062.68
			(E) CE/GPP/AIP	67	56	82.81%	34	50.00	22.07
				318,857	47,959	15.04%	53,966		-6,007.43

Theme	Treasury Symbol	Treasury Symbol Name	Budget Exec Funding Category	Total Available to Cost (TAC)	YTD Obs Uncosted	% YTD Obs Uncosted	YTD Threshold Uncosted	Threshold %	Threshold Variance
Environmental Responsibility (cont.)	89-X-0224	Energy Supply and Conservation	(C) Federal Operating	208	21	9.92%	35	17.00	-14.71
				208	21	9.92%	35		-14.71
	89-X-0243	Other Defense Activities, Environmental and Other Defense Activities, Energy	(C) Federal Operating	28,951	9,625	33.25%	4,922	17.00	4,703.64
			(D) SFMC	29,365	7,381	25.14%	3,817	13.00	3,563.77
			(E) CE/GPP/AIP	178	0	0.08%	89	50.00	-88.70
				58,494	17,007	29.07%	8,828		8,178.71
	89-X-0249	Defense Environmental Management Privatization	(C) Federal Operating	-7	0	-0.45%	-1	17.00	1.20
				-7	0	-0.45%	-1		1.20
	89-X-0251	Defense Environmental Cleanup	(C) Federal Operating	999,754	201,902	20.20%	169,958	17.00	31,944.07
			(D) SFMC	3,179,872	167,610	5.27%	413,383	13.00	-245,773.10
			(E) CE/GPP/AIP	50,918	31,891	62.63%	25,459	50.00	6,431.62
				4,230,544	401,403	9.49%	608,801		-207,397.41
	89-X-0315	Non-Defense Environmental Cleanup	(C) Federal Operating	246,068	43,120	17.52%	41,832	17.00	1,288.62
			(D) SFMC	33,103	4,796	14.49%	4,303	13.00	492.39
			(E) CE/GPP/AIP	0	0	100.00%	0	50.00	0.13
				279,171	47,916	17.16%	46,135		1,781.15
	89-X-0320	Legacy Management	(C) Federal Operating	562	171	30.47%	96	17.00	75.69
				562	171	30.47%	96		75.69
	89-X-5231	Uranium Enrichment Decontamination and Decommission	(C) Federal Operating	508,623	35,827	7.04%	86,466	17.00	-50,638.59
			(D) SFMC	3,610	3,394	94.02%	469	13.00	2,924.66
				512,233	39,221	7.66%	86,935		-47,713.92
	89-X-5530	Sales of Uranium, Energy Programs	(C) Federal Operating	408	0	0.00%	69	17.00	-69.39
				408	0	0.00%	69		-69.39
	89-X-8575	Trust Funds - Advances for Co-Sponsored Projects -	(D) SFMC	325	113	34.89%	42	13.00	71.19
				325	113	34.89%	42		71.19
Environmental Responsibility Total				5,567,423	586,740	10.54%	830,139		-243,399.57

Theme	Treasury Symbol	Treasury Symbol Name	Budget Exec Funding Category	Total Available to Cost (TAC)	YTD Obs Uncosted	% YTD Obs Uncosted	YTD Threshold Uncosted	Threshold %	Threshold Variance
Management Excellence	89-12-0243	Other Defense Activities, Environmental and Other Defense Activities, Energy	(C) Federal Operating	298,422	44,773	15.00%	50,732	17.00	-5,958.65
			(D) SFMC	133,713	25,996	19.44%	17,383	13.00	8,613.05
			(E) CE/GPP/AIP	1,565	1,538	98.26%	783	50.00	755.42
				433,700	72,307	16.67%	68,897		3,409.82
	89-1213-0228	Departmental Administration, Operating Expenses	(C) Federal Operating	171,717	33,709	19.63%	29,192	17.00	4,517.29
			(D) SFMC	36,209	24,881	68.72%	4,707	13.00	20,174.10
				207,925	58,590	28.18%	33,899		24,691.39
	89-1213-0243	Other Defense Activities, Environmental and Other Defense Activities, Energy	(C) Federal Operating	101,337	19,839	19.58%	17,227	17.00	2,611.76
			(D) SFMC	117	86	73.46%	15	13.00	70.66
				101,454	19,925	19.64%	17,243		2,682.42
	89-X-0224	Energy Supply and Conservation	(C) Federal Operating	0	0	0.00%	0	17.00	-0.07
				0	0	0.00%	0		-0.07
	89-X-0228	Departmental Administration, Operating Expenses	(C) Federal Operating	60,478	15,239	25.20%	10,281	17.00	4,957.86
			(D) SFMC	42,377	25,895	61.11%	5,509	13.00	20,385.91
			(E) CE/GPP/AIP	-1	0	0.00%	0	50.00	0.49
				102,854	41,134	39.99%	15,790		25,344.26
	89-X-0236	Inspector General	(C) Federal Operating	43,785	3,981	9.09%	7,443	17.00	-3,462.48
				43,785	3,981	9.09%	7,443		-3,462.48
	89-X-0243	Other Defense Activities, Environmental and Other Defense Activities, Energy	(C) Federal Operating	142,681	77,138	54.06%	24,256	17.00	52,882.38
			(D) SFMC	49,704	25,275	50.85%	6,462	13.00	18,813.22
			(E) CE/GPP/AIP	4,737	873	18.44%	2,369	50.00	-1,495.14
				197,122	103,286	52.40%	33,086		70,200.46
	89-X-0313	Office of the Administrator	(C) Federal Operating	-1	0	0.00%	0	17.00	0.15
				-1	0	0.00%	0		0.15
Management Excellence Total				1,086,840	299,223	27.53%	176,357		122,865.94

Theme	Treasury Symbol	Treasury Symbol Name	Budget Exec Funding Category	Total Available to Cost (TAC)	YTD Obs Uncosted	% YTD Obs Uncosted	YTD Threshold Uncosted	Threshold %	Threshold Variance
Nuclear Security	89-1112-0240	Weapons Activities	(C) Federal Operating	12	0	0.00%	2	17.00	-2.01
			(D) SFMC	175	175	100.00%	23	13.00	150.25
	89-1213-0313	Office of the Administrator		187	175	93.68%	25		150.24
			(C) Federal Operating	395,585	44,988	11.37%	67,249	17.00	-22,261.86
			(D) SFMC	7,769	4,898	63.04%	1,010	13.00	3,887.76
	89-1213-0314	Naval Reactors		403,354	49,885	12.37%	68,259		-18,374.11
			(C) Federal Operating	37,078	1,103	2.98%	6,303	17.00	-5,199.91
			(D) SFMC	389	389	100.00%	51	13.00	338.43
	89-X-0240	Weapons Activities		37,467	1,492	3.98%	6,354		-4,861.48
			(C) Federal Operating	919,493	141,609	15.40%	156,314	17.00	-14,704.80
			(D) SFMC	6,540,730	1,011,139	15.46%	850,295	13.00	160,844.35
			(E) CE/GPP/AIP	413,232	155,642	37.66%	206,616	50.00	-50,973.75
				7,873,454	1,308,390	16.62%	1,213,225		95,165.80
89-X-0243	Other Defense Activities, Environmental and Other Defense Activities, Energy		(C) Federal Operating	1,953	0	0.00%	332	17.00	-332.02
			(D) SFMC	27	15	54.25%	4	13.00	11.16
				1,980	15	0.74%	336		-320.87
			(E) CE/GPP/AIP	65,909	18,448	27.99%	32,955	50.00	-14,506.79
89-X-0309	Defense Nuclear Nonproliferation			3,071,988	1,332,025	43.36%	445,656		886,368.98
			(C) Federal Operating	547,774	245,070	44.74%	93,122	17.00	151,948.68
			(D) SFMC	2,458,305	1,068,507	43.47%	319,580	13.00	748,927.10
			(E) CE/GPP/AIP	65,909	18,448	27.99%	32,955	50.00	-14,506.79
				3,071,988	1,332,025	43.36%	445,656		886,368.98
89-X-0312	Cerro Grande Fire Activities		(E) CE/GPP/AIP	0	13,100		0	50.00	13,100.15
				0	13,100		0		13,100.15
89-X-0313	Office of the Administrator		(C) Federal Operating	58,497	11,646	19.91%	9,945	17.00	1,701.96
			(D) SFMC	8,197	2,428	29.63%	1,066	13.00	1,362.86
			(E) CE/GPP/AIP	2,508	1,311	52.26%	1,254	50.00	56.72
				69,202	15,386	22.23%	12,264		3,121.54
			(C) Federal Operating	10,137	2,184	21.54%	1,723	17.00	460.34
89-X-0314	Naval Reactors		(D) SFMC	1,024,673	87,056	8.50%	133,208	13.00	-46,151.38
			(E) CE/GPP/AIP	88,240	50,640	57.39%	44,120	50.00	6,520.22
				1,123,051	139,880	12.46%	179,051		-39,170.81
				12,580,685	2,860,349	22.74%	1,925,169		935,179.45
Nuclear Security Total									

Theme	Treasury Symbol	Treasury Symbol Name	Budget Exec Funding Category	Total Available to Cost (TAC)	YTD Obs Uncosted	% YTD Obs Uncosted	YTD Threshold Uncosted	Threshold %	Threshold Variance
Scientific Discovery and Innovation	89-1213-0222	General Science and Research Activities, Operating	(C) Federal Operating	179,351	17,107	9.54%	30,490	17.00	-13,382.17
			(D) SFMC	183	34	18.69%	24	13.00	10.41
				179,534	17,142	9.55%	30,513		-13,371.77
	89-X-0222	General Science and Research Activities, Operating	(C) Federal Operating	227,035	86,068	37.91%	38,596	17.00	47,472.03
			(D) SFMC	3,905,478	1,056,882	27.06%	507,712	13.00	549,169.65
			(E) CE/GPP/AIP	779,364	382,652	49.10%	389,682	50.00	-7,029.98
				4,911,878	1,525,602	31.06%	935,990		589,611.69
	89-X-0243	Other Defense Activities, Environmental and Other Defense Activities, Energy	(C) Federal Operating	45	22	48.45%	8	17.00	14.16
				45	22	48.45%	8		14.16
Scientific Discovery and Innovation Total				5,091,456	1,542,765	30.30%	966,511		576,254.08
Report Total				29,094,682	7,011,105	24.10%	4,646,585		2,364,519.59