



March 2025

SMALL BUSINESS CONTRACTING

National Nuclear Security Administration Needs Increased Contractor Oversight to Reduce Reporting Errors

GAO Highlights

Highlights of [GAO-25-106820](#), a report to Committee on Armed Services, United States Senate

Why GAO Did This Study

Since 1988, the federal government has aimed to award at least 20 percent of contract dollars to small businesses. NNSA's small business contracts typically account for more than half of DOE's small business achievement.

Since 1990, GAO has designated aspects of NNSA's acquisition management as a high-risk area because of its record of inadequate management of contractors. The DOE Inspector General has identified contract management as a fraud risk.

Senate Report 117-130 includes a provision for GAO to review NNSA's approach to contracting with small businesses and achieving its small business contracting goals. This report examines the extent to which (1) NNSA and its M&O contractors accurately reported fiscal years 2018–2022 small businesses contracts; and (2) NNSA has conducted oversight of its M&O contractors' small business contract reporting, including assessing fraud risks.

GAO reviewed small business contract data from NNSA and six M&O contractors for fiscal years 2018–2022, analyzed a sample of the data to identify errors, and spoke with knowledgeable contracting officials.

What GAO Recommends

GAO is making five recommendations, including that NNSA and its M&O contractors identify the root causes of reporting errors and establish an approach to address them, that NNSA improve oversight of reported data, and that NNSA develop mitigations for fraud risk in its small business program. NNSA agreed with all five recommendations.

View [GAO-25-106820](#). For more information, contact Allison Bawden at (202) 512-3841 or BawdenA@gao.gov.

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National Nuclear Security Administration Needs Increased Contractor Oversight to Reduce Reporting Errors

What GAO Found

GAO estimates that the National Nuclear Security Administration (NNSA) and six of its management and operating (M&O) contractors incorrectly reported \$1.1 billion of their \$16.8 billion in small business contracts awarded in fiscal years 2018–2022. That is, they incorrectly reported awarding small business contracts to businesses that did not meet size standards established by the Small Business Administration. Further, for an additional \$1.9 billion of the \$16.8 billion, NNSA and the six M&O contractors could not provide the information needed for GAO to determine whether the small business contracts had been awarded to businesses that were actually small. Based on NNSA and M&O contractor responses about these errors, GAO identified three main reasons errors might be occurring in small business reporting: (1) not having a requirement to verify a business's status as small; (2) mistakes using contractor-specific procurement systems; and (3) businesses misrepresenting themselves as small—intentionally or unintentionally. By identifying and addressing the root causes of errors in reported data, NNSA can ensure the quality of the data it reports and ensure that small businesses do not lose out on opportunities for work.

Estimated Errors in NNSA and M&O Contractors' Reported Small Business Awards, Fiscal Years 2018–2022



Source: GAO analysis of data from the National Nuclear Security Administration (NNSA) and its management and operating (M&O) contractors. | [GAO-25-106820](#)

^aEstimated errors are based on analysis of the subset of businesses that had a higher likelihood of not being small at the time of the contract award.

NNSA's oversight has not ensured accurate reporting of small business achievements primarily because NNSA has not dedicated Small Business Program resources to oversight. First, NNSA does not use the available data systems to assure the quality of small business contract data. Second, NNSA has not developed lessons learned to document findings from past reviews, conducted by both NNSA and the Small Business Administration, that identified problems in certain contractors' data and processes. These problems were still present for contractors during GAO's review. The Department of Energy (DOE) has a lessons learned program that is generally required to be used by NNSA and its M&O contractors. By taking steps to ensure the quality of small business contract data and share lessons learned, NNSA can improve the accuracy of its small business reporting. Finally, NNSA has not identified fraud risks—for example, that businesses may represent themselves as small when they are not—or developed responses to mitigate those risks. Without identifying and developing responses to potential fraud risks, NNSA cannot ensure that small businesses receive all intended contracting opportunities.

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Abbreviations

DOE	Department of Energy
DUNS	Data Universal Numbering System
eSRS	Electronic Subcontracting Reporting System
FAR	Federal Acquisition Regulation
M&O	management and operating
MOSRC	Management and Operating Subcontract Reporting Capability
NAICS	North American Industry Classification System
NNSA	National Nuclear Security Administration
OSDBU	Office of Small and Disadvantaged Business Utilization
SAM.gov	System for Award Management
SBA	Small Business Administration
UEI	Unique Entity Identifier

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March 13, 2025

The Honorable Roger Wicker
Chairman
The Honorable Jack Reed
Ranking Member
Committee on Armed Services
United States Senate

Since 1988, the federal government has aimed to award at least 20 percent of contract dollars to small businesses.¹ Small businesses are important drivers of the nation's overall economic growth, and small business goals help maximize small businesses' opportunity to provide goods and services to the federal government. The National Nuclear Security Administration (NNSA), a separately organized agency within the Department of Energy (DOE), reported awarding contracts to small businesses that accounted for approximately \$18 billion of DOE's \$31 billion in small business achievements, or 58 percent, from fiscal year 2018 through fiscal year 2022.

Federal agencies, such as DOE, negotiate their respective annual small business goals with the Small Business Administration (SBA). Since 2014, DOE has been allowed, in addition to considering prime contracts in meeting small business goals, to count subcontracts with small businesses to help achieve its small business prime contracting goal.² For example, NNSA enters into prime contracts with small businesses to carry out some work and also with large businesses, such as management and operating (M&O) contractors.³ These small businesses

¹Business Opportunity Development Reform Act of 1988, Pub. L. No. 100-656, § 502, 102 Stat. 3853, 3881, added a new section to the Small Business Act requiring the President to annually establish government-wide goals of at least 20 percent for contracts awarded to small businesses. The current minimum goal is 23 percent. 15 U.S.C. § 644(g).

²The authority to count small business subcontracts as prime contracts for the purposes of the small business scorecard was included in the Consolidated Appropriations Act, 2014, Pub. L. No. 113-76, § 318, 128 Stat. 5, 178 (codified at 15 U.S.C. § 644(g)(3)).

³NNSA relies extensively on M&O contracts, which are agreements under which the government contracts for the operation, maintenance, or support, on its behalf, of a government-owned or -controlled research, development, special production, or testing establishment wholly or principally devoted to one or more of the major programs of the contracting federal agency. 48 C.F.R. § 17.601.

and M&O contractors in turn subcontract to small businesses to perform some work.

Because typically 80 to 90 percent of DOE's, and NNSA's, budgets are obligated for M&O contracts, including subcontracts issued by M&O contractors, DOE's small business achievement provides a more holistic view of the effect DOE funds have on small businesses. NNSA and its M&O contractors have contracted with small businesses for goods and services such as semiconductor manufacturing, audio and video equipment manufacturing, legal and accounting services, and scientific and technical consulting. For more information on the goods and services purchased from small businesses by NNSA and its M&O contractors, see appendix I.

Since 1990, we have designated aspects of DOE's (including NNSA's) acquisition management as a high-risk area for the government because of DOE's record of inadequate management and oversight of contractors.⁴ Further, the DOE Inspector General has identified contract management as a significant challenge for DOE and has identified fraud risk as a concern.⁵ Ensuring that fraud risks are identified and mitigated is important to the integrity of any federal program and enables federal agencies to be strategically positioned to address the most significant fraud risks to federal programs.

Senate Report 117-130, accompanying the fiscal year 2023 National Defense Authorization Act, includes a provision for us to review NNSA's approach to contracting with small businesses and achieving its small business contracting goals.⁶ In our report, we examine the extent to which (1) NNSA and its M&O contractors accurately reported fiscal year 2018 through fiscal year 2022 small business contracts; and (2) NNSA has conducted oversight of its M&O contractors' small business contract reporting, including assessing fraud risks.

⁴GAO, *High-Risk Series: Efforts Made to Achieve Progress Need to Be Maintained and Expanded to Fully Address All Areas*, [GAO-23-106203](#) (Washington, D.C.: Apr. 20, 2023).

⁵Department of Energy, Office of Inspector General, *Management Challenges at the Department of Energy – Fiscal Year 2018*, DOE-OIG-18-09 (Washington, D.C.: Nov. 27, 2017).

⁶S. Rep. No. 117-130, at 369 (2022) (accompanying James M. Inhofe National Defense Authorization Act for Fiscal Year 2023, S. 4543, 117th Cong. (2022)). Appendix I includes information comparing NNSA's and its M&O contractors' obligations to small businesses and the actual expenditure amounts to those businesses.

To determine the extent to which NNSA's Small Business Program and NNSA's M&O contractors accurately reported on small business contracts, we reviewed fiscal year 2018 through fiscal year 2022 data reported for small business contracts awarded by NNSA and six NNSA M&O contractors.⁷ We chose these fiscal years because fiscal year 2022 was the most recent year for which there was complete data at the time of our review, and the 5-year period covers fiscal years prior to the COVID-19 pandemic. Specifically, we reviewed data from each M&O contractor's procurement systems and the Federal Procurement Data System, the system of record for federal procurement data.

To analyze NNSA and M&O contractor data, we grouped them into what we refer to as "instances," that is, contract or purchase order groupings with the same (1) unique business identifiers assigned by the System for Award Management (SAM.gov) and Dun & Bradstreet; (2) North American Industry Classification System (NAICS) code assigned to the contract or purchase order; and (3) the date of the first and last contract or purchase order award by each M&O contractor, if multiple contracts or purchase orders were awarded.

For example, if **ABC Corp (identification number 123456789)** was awarded 15 contracts by **M&O Contractor Number 1** from **October 2018 through September 2022** that were all performed under **NAICS code 236000 (construction of buildings)**, these would be rolled up into a single instance in our data.⁸

⁷We reviewed data for six M&O contractors that currently run laboratories or sites, or which did so for all or part of fiscal year 2018 through fiscal year 2022: Consolidated Nuclear Security, LLC (M&O contractor for the Pantex Plant and Y-12 National Security Complex); Honeywell Federal Manufacturing & Technologies, LLC (M&O contractor for the Kansas City National Security Campus); Lawrence Livermore National Security, LLC (M&O contractor for Lawrence Livermore National Laboratory); Mission Support and Test Services, LLC (M&O contractor for the Nevada National Security Site); National Technology & Engineering Solutions Of Sandia, LLC (M&O contractor for Sandia National Laboratories); and Triad National Security, LLC (M&O contractor for Los Alamos National Laboratory). NNSA did not set small business goals for the M&O contractors that ran the Naval Nuclear Laboratories (jointly managed by NNSA and the U.S. Navy) or the Savannah River Site (managed during the relevant period by DOE's Office of Environmental Management), so we did not include them in our scope.

⁸To count contracts, we used the purchase order number in the data provided by NNSA and M&O contractors. NNSA and M&O contractors may place multiple purchase orders on the same base contract vehicle or issue contracts of various types. We call these contracts throughout this report.

Some businesses were in our dataset multiple times, for example, because they were awarded multiple contracts under the same NAICS code by different M&O contractors, or because they performed work under contracts with different NAICS codes. We then compared these instances with the small business size determinations generated by SAM.gov, where businesses enter their annual revenue and employee number data.⁹ We used SAM.gov datasets from 2017, 2022, and 2024 to compare the instances at three points in time.¹⁰ When business data were not available in SAM.gov, they were excluded from use in creating estimates.

We created two subsets of instances for awards to small businesses: (1) instances for businesses categorized as small, according to SBA's NAICS code-based size standards, for all points in time for which they had data in the three SAM.gov datasets we used for our analysis; and (2) instances for businesses not categorized as small, according to those size standards, in one or more of those years.

We concluded that businesses in the first subset of data were highly likely to have been small for the purposes of the award and as reported by NNSA and its M&O contractors.

We performed additional analysis on the second subset of businesses because they had a higher likelihood of not being small at the time of the contract award. Using this second subset of data, which comprised 3,339 instances and was worth \$4.1 billion in contract awards, we drew a generalizable stratified sample to ascertain the amount of contract dollars awarded to businesses that were not small under the size standard on a contract at the time of award. Additionally, we used this sample to estimate the number of contracts associated with businesses that were not small under the size standard on a contract at the time of award. We interviewed NNSA officials and M&O contractor representatives about potential reasons for errors in the data. We base our discussions about NNSA and M&O contractor data errors and the numbers we report on this

⁹Businesses provide their average employees and revenue when registering in SAM.gov. Businesses must have an active entity registration in SAM.gov to do business directly with the federal government (48 C.F.R. § 4.1102). However, they do not need a SAM.gov profile to receive subcontracts from M&O contractors.

¹⁰We used SAM.gov datasets from 2017 and 2022 that we already had access to and that contained business size information. We collected current SAM.gov data on business sizes from 2024.

generalizable sample. Margins of error for any sample-derived estimates in this report were calculated at the 95 percent confidence level.

To examine the extent to which NNSA's Small Business Program has conducted oversight of its M&O contractors' small business contract reporting, we reviewed SBA regulations, the Federal Acquisition Regulation (FAR), the Department of Energy Acquisition Regulation, agency-specific guidance on contractor oversight, and relevant GAO reports.¹¹ We also reviewed information from the Electronic Subcontracting Reporting System (eSRS), a government-wide tool for monitoring subcontracting performance; the Federal Procurement Data System; and DOE's Management and Operating Subcontract Reporting Capability (MOSRC) data.

We reviewed federal requirements for reports M&O contractors submit on their subcontracting activities, and corresponding DOE guidance.¹² We reviewed documentation from SBA compliance reviews to identify any known deficiencies among contractors and identify potential lessons learned. Additionally, we compared NNSA's and its M&O contractors' processes and data reporting with *Standards for Internal Control in the Federal Government* for managing reliable data and evaluating deficiencies. We interviewed SBA and NNSA officials regarding steps taken to oversee subcontract reporting. We also randomly selected a non-generalizable sample of 18 businesses from M&O contractor data and interviewed representatives about their experiences subcontracting with M&O contractors.

To understand the potential for increased fraud risk in NNSA's reporting of its small business contract awards, we reviewed GAO's *Standards for Internal Control in the Federal Government* and GAO's *Fraud Risk Framework*. The Office of Management and Budget's Circular A-123

¹¹In [GAO-19-107](#), we examined the extent to which DOE ensured that contractors audit subcontractors and that contractors met subcontract oversight requirements. GAO, *Department of Energy Contracting: Actions Needed to Strengthen Subcontract Oversight*, [GAO-19-107](#) (Washington, D.C.: Mar. 12, 2019).

¹²While 48 C.F.R. § 19.704 discusses federal requirements for submitting subcontract reports, the Department of Energy Acquisition Guide further discusses DOE and NNSA's oversight responsibility in reviewing subcontract plans.

directs federal agencies, including DOE, to implement the Framework.¹³ Fraud and fraud risk are distinct concepts. “Fraud” is the act of obtaining something of value through willful misrepresentation and is a determination to be made through the judicial or other adjudicative system. “Fraud risk” exists when individuals have an opportunity to engage in fraudulent activity, have an incentive or are under pressure to commit fraud, or are able to rationalize committing fraud. Although the occurrence of fraud indicates there is a fraud risk, a fraud risk can exist even if actual fraud has not yet been identified or occurred. While our report did not assess fraud, we did examine the risk of fraud in the context of NNSA’s oversight of NNSA’s M&O contractors’ small business reporting. In appendix II, we describe our methodology in more detail.

We conducted this performance audit from May 2023 to March 2025 in accordance with generally accepted government auditing standards. Those standards require that we plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on our audit objectives. We believe that the evidence obtained provides a reasonable basis for our findings and conclusions based on our audit objectives.

Background

Federal Size Standards for Small Businesses

The U.S. Census Bureau assigns a six-digit code—called a NAICS code—to each industry based on its primary activity,¹⁴ and SBA uses NAICS codes as the basis for establishing size standards for small businesses. Size standards vary by industry and are generally expressed

¹³GAO, *Standards for Internal Control in the Federal Government*, [GAO-14-704G](#) (Washington, D.C.: Sept. 10, 2014); *A Framework for Managing Fraud Risks in Federal Programs*, [GAO-15-593SP](#) (Washington, D.C.: July 2015). Office of Management and Budget, *Management’s Responsibility for Enterprise Risk Management and Internal Control*, Circular No. A-123 (July 15, 2016).

¹⁴The first two digits of the NAICS code designate the economic sector, the third digit designates the subsector, the fourth digit designates the industry group, the fifth digit designates the NAICS industry, and the sixth digit designates the national industry. The Economic Classification Policy Committee of the Office of Management and Budget, Statistics Canada, and Mexico’s Instituto Nacional de Estadística y Geografía developed NAICS codes as a standard for collecting and analyzing data describing the economies of North American countries.

either as the average number of employees or the average annual revenue.¹⁵

For certain codes, there is more than one size standard. SBA refers to these additional size standards as exceptions. For example, NAICS code 541715 (research and development in the physical, engineering, and life sciences, except nanotechnology and biotechnology) has a general size standard of 1,000 employees—meaning that a business with 1,000 employees or fewer that is contracted under this NAICS code would be considered small. This code also has three exceptions related to aircraft and aircraft engines (1,500 employees); other aircraft parts and auxiliary equipment (1,250 employees); and guided missiles and space vehicles, their propulsion units and propulsion parts (1,300 employees)—each of which creates a different threshold for determining whether a business is small.¹⁶

According to the FAR, when drawing up a contract or subcontract solicitation, contracting officers at NNSA or an M&O contractor must assign a NAICS code to the contract based on the principal purpose of the contract that will be issued. However, the choice of NAICS code is ultimately at the contracting officer's discretion.¹⁷ If a business's revenue or employee count at the time it makes an offer are below the SBA size standard for the NAICS code assigned to that contract, it is considered a small business. If the revenue or employee count is above the threshold, the business is considered "other than small" (not small). Because the size standard for every NAICS code differs, a business can be small under some NAICS codes and not small under others at the same time.

SAM.gov is a government database in which businesses must register to compete for prime contracts with the federal government. Businesses must renew their registration annually, though they can also update their registration at any time to reflect changes to revenue, employee numbers,

¹⁵Currently, average annual receipts are generally calculated as a 5-year average, and the number of employees is generally calculated as a 24-month average. 13 C.F.R. §§ 12.104(c), .106(b). Prior to 2020, average annual receipts were generally calculated as a 3-year average. Prior to 2022, the number of employees was generally calculated as a 12-month average.

¹⁶The Small Business Jobs Act of 2010 requires SBA to review at least one-third of all size standards during every 18-month period from the date of its enactment and to review all size standards at least every 5 years. Pub L. No. 111-240, § 1344, 124 Stat. 2504, 2545 (codified at 15 U.S.C. § 1632 note).

¹⁷48 C.F.R. §§ 19.201, .703.

or NAICS codes they work under, for example. SAM.gov automatically populates a table of size standards—categorizing a business as small or not small for each NAICS code—according to a business’s revenue and employee information the business enters when registering or updating its profile. For businesses that are competing only for subcontracts and choose not to register in SAM.gov, the business representative would need to look up the size standard associated with the NAICS code on the solicitation for which the business is competing and ensure that the business is representing itself correctly—as small or not small.

Process for Setting DOE’s Small Business Goal and NNSA’s Process for Reporting Contracts

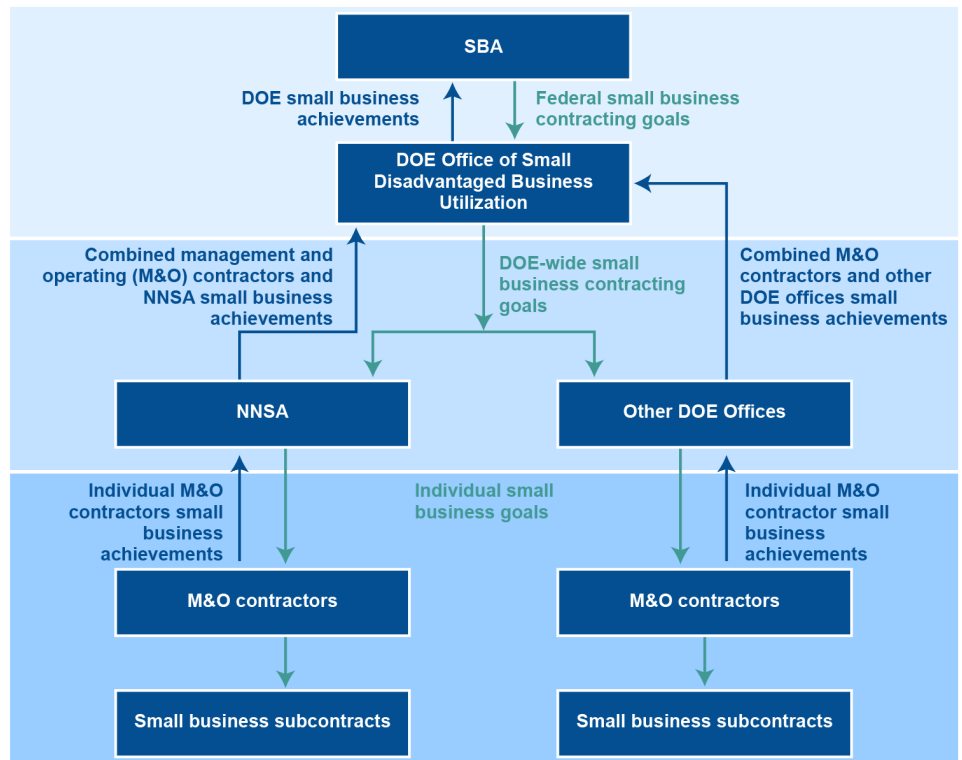
Each autumn, DOE’s Office of Small and Disadvantaged Business Utilization (OSDBU) negotiates the agency’s annual small business goal with SBA. DOE and SBA set the goal based on DOE’s past, current, and projected performance toward meeting its small business goals. For example, from fiscal year 2018 through fiscal year 2022, DOE’s small business goal was 10 to 14 percent of procurements, or between \$3 billion and about \$5.6 billion. Prior to DOE and SBA agreeing on the DOE-wide goal, OSDBU negotiates goals with each DOE program office based on that office’s previous achievement and projected procurements for the upcoming fiscal year.¹⁸

NNSA’s Small Business Program, which is separate from OSDBU, submits its own goal to OSDBU for inclusion in DOE’s overall goal. NNSA’s Small Business Program determines NNSA’s goal by negotiating site-specific goals with each of its M&O contractors for their small business subcontracts.¹⁹ At the end of each fiscal year, NNSA’s Small Business Program reports NNSA’s and its M&O contractors’ small business achievements to OSDBU, so that OSDBU can include them in agencywide performance reporting against the department’s small business goals (see fig. 1).

¹⁸OSDBU sets goals for most of DOE’s program offices, including the Office of Science, the Office of Environmental Management, the Office of Nuclear Energy, and several offices under the Secretary, such as the Advanced Research Projects Agency–Energy and the Office of Legacy Management.

¹⁹NNSA sets goals for the six M&O contractors included in our review. NNSA does not set goals for the Naval Nuclear Laboratory or the Savannah River Site.

Figure 1: Process for Setting DOE's Small Business Contracting Goal, and NNSA and DOE Offices' Process for Reporting Contracts



Sources: GAO analysis of Small Business Administration (SBA), Department of Energy (DOE), and National Nuclear Security Administration (NNSA) documents and interviews. | GAO-25-106820

NNSA documents its small business prime contracts in DOE's Strategic Integrated Procurement Enterprise System. This system feeds contract information into the government-wide Federal Procurement Data System. OSDBU uses that system to generate reports on NNSA's contributions toward meeting small business goals.

Each of NNSA's M&O contractors documents its small business subcontracts in its respective procurement system. M&O contractors then upload portions of this contracting information into two different databases: DOE's MOSRC and in eSRS, the web-based, government-wide system accessible to contractors and agency contracting officers. M&O contractors upload contract-level data to MOSRC on a monthly basis but cannot include any sensitive or classified contract information, so MOSRC only represents about 50 percent of small business contracts issued by NNSA's M&O contractors. They upload summary-level data—

the total amount of all small business contracts issued—twice per year into eSRS. NNSA can use these two systems during a fiscal year to track M&O contractor performance in meeting small business goals.²⁰

NNSA and Its M&O Contractors Incorrectly Reported an Estimated \$1.1 Billion in Small Business Contracts

From fiscal year 2018 through fiscal year 2022, NNSA and six of its M&O contractors reported awarding contracts worth approximately \$16.8 billion to small businesses. However, in our sample, we identified an estimated \$1.1 billion of contracts that were reported in error because the contracts were awarded to businesses that were not small at the time the contract was awarded under the NAICS code on the contract. We identified three potential reasons for these errors in reported data: contracting officers not being required to verify a business's representation of itself as small; mistakes made in entering or using information in M&O contractor procurement systems; and businesses misrepresenting themselves as small—intentionally or unintentionally.

An Estimated \$1.1 Billion of Reported Awards to Small Businesses Went to Businesses That Did Not Meet Revenue or Employee Size Standards

From fiscal year 2018 through fiscal year 2022, NNSA and six of its M&O contractors reported awarding \$16.8 billion in contracts to small businesses. While some of these contracts were worth millions of dollars, the average contract amount across all six M&O contractors was approximately \$32,000.²¹

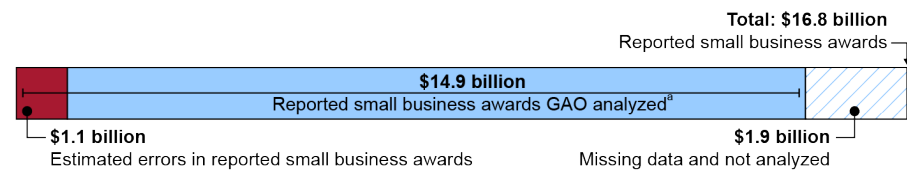
Reviewing the subset of data likely to contain errors, we estimate that \$1.1 billion of the contracts awarded by NNSA and the six M&O contractors from fiscal year 2018 through fiscal year 2022 that were reported as awarded to small businesses were actually awarded to businesses that were not small according to the NAICS code on the contract. We believe this \$1.1 billion amount to be a conservative estimate of the total amount of errors in awards to small businesses that were reported for two reasons. First, this sample was taken from a subset of data that was more likely to have errors, and there may be additional errors in the other subset of data. Second, while we were able to analyze \$14.9 billion of reported small business contracts, approximately \$1.9 billion in reported contracts did not have the data we needed (identifying information for the business or the NAICS code on the contract) to carry

²⁰NNSA also uses a third series of reports, Interim Feedback Reports, to monitor M&O contractors' progress toward meeting their annual small business goals. The data in Interim Feedback Reports are also only summary-level data.

²¹NNSA's average prime contracts to small businesses were significantly larger—around \$2.3 million each during fiscal years 2018 through 2022. Throughout this report, when we refer to data or errors, we use the term “contracts” to mean both contracts awarded by NNSA and subcontracts awarded by its M&O contractors.

out our analyses.²² Thus, it is unclear to what extent this \$1.9 billion in small business contracts was awarded to businesses that were small (see fig. 2).

Figure 2: NNSA and Six M&O Contractors' Reported Small Business Awards, Fiscal Years 2018–2022



Source: GAO analysis of data from the National Nuclear Security Administration (NNSA) and its management and operating (M&O) contractors. | GAO-25-106820

^aIncludes NNSA prime contracts with small businesses and subcontracts awarded by the six NNSA M&O contractors for whom NNSA negotiates small business goals. Estimated errors are based on analysis on the subset of businesses that had a higher likelihood of not being small at the time of the contract award.

Further, we estimate that the \$1.1 billion incorrectly reported as being awarded to small businesses was awarded through at least 7,100 contracts. While these contracts were only about 4 percent of the total number of contracts we analyzed, we found that five of six M&O contractors had numerous—sometimes hundreds—of these errors in their reported data.²³

We also found that many of the 7,100 contracts in the reported data that we estimate were awarded to businesses that were not small were in many cases not the only contract awarded to that business by a specific M&O contractor. Rather, they were often one of multiple contracts issued to individual businesses that were not small under the NAICS code at the time of the award. This, and the fact that we found errors in the data of NNSA and all six M&O contractors, indicates a systemic issue. NNSA and the M&O contractors issued contracts repeatedly to businesses that were not small under the NAICS code on the contract at the time of award. We

²²Of the \$1.9 billion we were unable to analyze, \$888 million was from a single M&O contractor that did not have NAICS codes assigned to contracts in its procurement database.

²³One M&O contractor had some errors in its data but a significantly lower rate of errors than the other five M&O contractors had, on average. NNSA also had fewer total errors in its data, possibly because it issues fewer small business contracts than the M&O contractors.

are not referring simply to isolated instances of contracts being issued in error.

Three Reasons Contributed to NNSA and M&O Contractors Incorrectly Reporting Contracts Issued to Small Businesses

Analyzing interview responses from NNSA's Small Business Program manager and representatives from the six M&O contractors, we identified three main reasons contributing to the incorrect reporting of awards to small businesses.

First, **M&O contractors are not required to verify businesses' representations.** M&O contractors can accept businesses' representations of themselves as small without further verification.²⁴ We found that some M&O contractors do not check a database, such as SAM.gov, to verify a business's representation of itself as small under the NAICS code on the contract. According to the Small Business Act and the FAR, M&O contractors are not required to verify a business's status as small under the NAICS code on the contract via a source such as SAM.gov or SBA's Dynamic Small Business Search.²⁵ Rather, they are allowed to accept a business's representation of itself as small without further verification.

To ascertain a business's size, representatives from four of the six M&O contractors told us that they rely on paper or electronic representations and certifications forms. Specifically, each offer, proposal, bid, or application for a federal subcontract must contain a certification concerning the small business size and status of the business seeking the subcontract. The business responding must certify its status on the form.²⁶

As noted, businesses are not required to register in SAM.gov to compete for subcontracts from M&O contractors, but we found that approximately 95 percent of businesses we searched for in SAM.gov in our sample

²⁴48 C.F.R. § 19.703(a)(2)(i).

²⁵SBA maintains the Dynamic Small Business Search database. When a small business registers in SAM.gov, there is an opportunity to fill out the small business profile. That information populates the Dynamic Small Business Search. The Dynamic Small Business Search is another tool contracting officers can use to identify potential small business contractors for upcoming contracting opportunities.

²⁶13 C.F.R. § 121.108(c) notes that each offer, proposal, bid, or application for a federal contract, subcontract, or grant shall contain a certification concerning the small business size and status of a business seeking the federal contract, subcontract, or grant. An authorized official must sign the certification on the same page containing the size status claimed by the concern.

analysis were registered.²⁷ Representatives from some M&O contractors said that they encourage businesses to register in SAM.gov, and representatives from two M&O contractors and officials from NNSA said that they do verify a business's representations and certifications information in SAM.gov.

Additionally, representatives from two M&O contractors told us that for contracts under \$10,000, the contracting officer does not need to obtain a representations and certifications form.²⁸ Representatives from one M&O contractor said their contracting officers may ascertain the business's size through a verbal self-certification—the contracting officer simply asks the business representative if it is small—and no other checks of the business's size need to be made. The representatives from this M&O contractor did not indicate whether the verbal check of a business's size is supposed to include a mention of the specific NAICS code on the contract and the associated size standard for the NAICS code to ensure the appropriate thresholds are being considered.

Second, **NNSA and M&O contracting officers may be entering information incorrectly into their respective procurement systems.** Representatives from two of the six M&O contractors and officials from NNSA mentioned potential issues with their procurement systems that might lead to businesses being misreported as small. In four instances, officials from the businesses we interviewed told us that they had never represented themselves as a small business at all, or as small under the NAICS code on a particular contract. Representatives from one business said that they had checked the box as a large business on the representations and certifications form for a contract, and they were not sure how they had been classified as a small business in that M&O contractor's data.

²⁷Businesses must have an active SAM.gov profile to receive a federal prime contract, but they are not required to register to receive subcontracts from M&O or other prime contractors. SAM.gov registrations must be updated annually to remain active, and businesses are required to include and update the business's legal name, entity size in the form of number of employees and worldwide total receipts, and information about the types of goods and services provided in the form of NAICS codes, among other details.

²⁸The representatives did not identify the source of this statement, but we note that it is true with regard to federal prime contracts. The FAR requires an offeror to make a written representation as to its small business status for solicitations for federal contracts exceeding the micro-purchase threshold. 48 C.F.R. § 19.309(a)(1); 48 C.F.R. § 52.219-1. The micro-purchase threshold for supplies is currently \$10,000, with exceptions as noted in 48 C.F.R. § 2.101 or other agency supplements.

NNSA officials said that their procurement system has buttons that allow the contracting officer to select business size; if the contracting officer forgets to select a business size, the system may default to small, but officials were unsure if this was the main reason for errors.

In another case, representatives from an M&O contractor said that their procurement system only allows one NAICS code to be entered on a business's profile, so they use the business's primary NAICS code and note whether the business is small on that profile. If the business is awarded a contract under another NAICS code, the contracting officer must create another profile for the business in the procurement system, including whether the business is small under that NAICS code. As a result, businesses can have multiple profiles—each with a different NAICS code and potentially a different size designation—in this M&O contractor's procurement system, and the contracting officer must select the correct profile to record the contract award.

Representatives from this M&O contractor said it was possible that contracting officers may not always select the correct profile with the correct NAICS code and size designation, thus potentially identifying a business as small in the data they report to NNSA when it is not small under the NAICS code on the contract. Additionally, this M&O contractor's procurement system only allows for six digits of a NAICS code to be input, so the seventh digit that signifies an exception to a size standard is not captured in this procurement system. This means that some data may be reported incorrectly as a result of not being able to note the NAICS exceptions.

Representatives from the same M&O contractor noted that they made significant changes to their procurement system in 2017, so that when a new business profile is created it defaults to being listed as a small business unless the contracting officer or person creating the profile manually changes the profile to not small. As a result, errors may have been introduced into this contractor's data when business profiles were not correctly updated or created, listing businesses as small when they were not.

Third, **businesses may misrepresent themselves as small, intentionally or unintentionally.** A business misrepresenting itself as small intentionally could be fraudulent activity; we did not look specifically for fraud during our audit, nor did we detect any fraudulent activity. But a representative from one M&O contractor noted that fraud—a business intentionally misrepresenting itself as small when it is not a small

business to gain something of value—would be possible. An official from NNSA also said that his team is aware of the risk of businesses misrepresenting themselves as small when they are not.

Several factors might contribute to a business unintentionally representing itself as small. For example, some contractors did not specify the NAICS code or the relevant size standard for that NAICS code, as required by federal regulations.²⁹ As a result, businesses might have been unaware of the NAICS code the contracting officer assigned to the contract and the size standard associated with that NAICS code, making the potential for unintentional misrepresentation as a small business higher. Representatives of multiple small businesses we interviewed said that they typically work under a single NAICS code. As a result, they might not be familiar with the size standards associated with other NAICS codes and might assume they are small under every NAICS code if they are small under one NAICS code—when in reality, their status depends on the size standard assigned to the specific code.

Additionally, if a business changes from small to large because of an increase in revenue or number of employees that surpass the size standard for a particular NAICS code, the business should notify the M&O contractor to update information in the contractor's procurement system when it makes an offer on a new contract.³⁰ It should also note the change on any subsequent representations and certifications forms. However, if businesses are not closely monitoring their status as small or associated size standards, it is possible for businesses who no longer qualify for awards to small businesses to receive them, again, through unintentional misrepresentation as small. For example, a representative from one small business we interviewed knew its business's revenues had gone up from 2020 through 2022 but was unsure if its status as small had changed as a result of the increased revenue.

²⁹13 C.F.R. § 125.3(c)(1)(v) requires that the contractor must assign to each subcontract, and to each solicitation, if a solicitation is utilized, the NAICS code and corresponding size standard that best describes the principal purpose of the subcontracts. A formal solicitation is not required for each subcontract, but the contractor must provide some form of written notice of the NAICS code and size standard assigned to potential offerors prior to acceptance and award of the subcontract.

³⁰According to 13 C.F.R. § 121.404(a), a business's size is determined as of the time it submits a written self-certification that it is small as part of an initial response to a solicitation. While a business does not need to update an M&O contractor about a change in size immediately, it is required by regulation to submit a new written self-certification that it is small before being issued another contract by an M&O contractor or other entity.

We were able to identify a few common reasons that officials from NNSA and representatives from M&O contractors gave for errors occurring in their data, but we did not identify the root causes for errors in NNSA's and each M&O contractor's data because their data collection processes and systems all differ. However, it is important for NNSA's Small Business Program and M&O contractors to ensure errors are reduced so that small businesses have the maximum opportunity to participate in contracts.

Standards for Internal Control in the Federal Government state that management should use quality information to achieve the entity's objectives. Reliable sources provide data that are reasonably free from error and bias and faithfully represent what they purport to represent. Additionally, *Standards for Internal Control in the Federal Government* state that management should evaluate issues and remediate deficiencies. Managers may do so by evaluating and documenting issues and determining and completing appropriate corrective actions for deficiencies on a timely basis.

Identifying the root causes of errors in small business contracting data and eliminating or mitigating those root causes from contracting and reporting processes would help ensure that NNSA and M&O contractors award contracts to businesses that are small under the NAICS code on the contract, potentially increasing opportunities for small businesses to be awarded contracts. NNSA's Small Business Program and its M&O contractors each have a role to play in identifying the root causes of errors and developing approaches to address them to increase the quality of the small business contracting data reported to NNSA.

NNSA Has Not Ensured Accurate Small Business Contract Reporting or Mitigated Fraud Risk

NNSA has conducted limited oversight of small business award data that M&O contractors submit and that NNSA uses for small business reporting, primarily because of limitations in the data NNSA has available to it and because NNSA has not dedicated resources for this type of oversight. In particular, even though NNSA officials were aware of past problems with data and processes, they have not taken steps to address data limitations. Additionally, NNSA has not regularly shared lessons learned with M&O contractors from NNSA's and SBA's relevant reviews, thus limiting contractors' ability to learn from each other and implement practices that could be effective for improving small business data and reporting. Finally, NNSA has not identified fraud risks to the Small Business Program—for example, that businesses can represent themselves as small when they are not—and has not developed responses to mitigate those risks.

NNSA's Oversight Has Not Ensured Accurate Reporting of Small Business Achievements

NNSA's oversight of M&O contractors is primarily subject to the FAR, as well as to the Department of Energy Acquisition Regulation and internal DOE and NNSA guidance.³¹ NNSA officials told us that for tracking and reporting small business achievements, they rely on the summary reports submitted by M&O contractors in eSRS, which contain summary-level data on the total amounts awarded to small businesses during specific periods of time.

M&O contractors are to submit mid-year summary reports in April and October, and an end-of-year summary report is to be submitted annually in October on contract award data through eSRS.³² For example, in an eSRS summary report, NNSA officials may see that an M&O contractor reported awarding \$2 billion in total subcontracts to small businesses in a given fiscal year, but they cannot see any other details about individual subcontracts that were awarded. NNSA officials also provide periodic feedback reports to M&O contractors during the contract evaluation period that highlight small business contracting accomplishments, issues, and areas where the contractor's performance met, or did not meet, expectations.

NNSA officials are responsible for reviewing and accepting or rejecting these summary reports. They said their review typically consists of looking for any data that appear to be outliers, such as a dollar amount that is extremely high or low compared to prior reports. If NNSA officials reject a summary report, it is returned to the M&O contractor for correction and resubmission. However, NNSA officials said they do not conduct any additional verification of eSRS data before using it to report small business achievements to DOE. NNSA officials also told us they use mid-year summary reports from eSRS to ensure M&O contractors are on track to meet their small business goals.

eSRS provides limited opportunity for NNSA to validate the quality of the data used to create the summary reports, which is partly why, NNSA officials told us, they do not use it for this purpose. For example, during our audit, we identified variances between the data that one M&O contractor submitted to us from its procurement system and data it

³¹While the FAR sets forth the primary regulatory requirements for the acquisition process, the Department of Energy Acquisition Regulation supplements it. DOE documents—such as the Department of Energy Acquisition Guide and NNSA's Corporate Performance Evaluation Process for Management and Operating Contractors—establish additional guidance for the acquisition process but do not create additional requirements.

³²48 C.F.R. § 19.704(a)(10)(iv).

reported in eSRS. After we notified the contractor of the discrepancy, the contractor conducted an internal investigation of its procurement system and discovered anomalies in the reports of small business achievements for multiple years we reviewed. The anomalies resulted in the contractor incorrectly reporting its small business goals in several years and reporting that it exceeded the goal for at least one socioeconomic category when it did not actually meet the goal.³³ While the contractor implemented an interim corrective action that will allow it to identify this error in future reports, the error has not been fully resolved.

According to the FAR, the reviewing agency must reject a contractor's subcontracting report submission if it is not properly completed, for example, if it has errors, omissions, or incomplete data.³⁴ However, for the summary report pertaining to the data anomaly we identified, NNSA officials only rejected the report after we identified the error in the data. Because NNSA only sees summary-level data from eSRS, it has no way of knowing based on that data alone whether the amounts contractors report are correct or whether the contracts comprising that total amount were awarded to small businesses and reported properly.

M&O contractors also submit data to DOE's MOSRC system monthly, but an NNSA official said they do not use MOSRC data for oversight—they primarily look at MOSRC data to understand trends in small business involvement across all M&O contractors but do not use them for any other data verification or analyses.³⁵ This is because NNSA officials estimate that MOSRC contains about 50 percent of subcontracts issued by M&O contractors, as it excludes classified or sensitive subcontracts. Unlike eSRS, MOSRC contains contract-level data, which means agency officials have access to additional information on individual contracts such as the date of award, the business the contract was awarded to, the

³³The socioeconomic categories are defined by the Small Business Act, as amended, and include small businesses that are women owned, veteran owned, service-disabled veteran owned, small disadvantaged, and those certified as Historically Underutilized Business Zone firms. Socially and economically disadvantaged small business concerns are also known as "small disadvantaged" businesses. 15 U.S.C. § 637(d).

³⁴48 C.F.R. § 19.705-6(j). NNSA officials stated they adhere to the eSRS review process, though they do not go beyond those guidelines in examining data submitted into eSRS.

³⁵According to DOE's Management and Operating Subcontract Reporting Capability Guide, DOE built MOSRC in 2015 to collect data needed to enable DOE to receive full credit toward achievements for small business subcontracts issued by its M&O contractors.

amount of the award, and the NAICS code on the contract, among other information.

While MOSRC data provide more detailed information, NNSA officials told us the summary-level eSRS data are more representative of each M&O contractor's total annual contribution to NNSA's small business goals, given that the data include contract amounts from classified and sensitive contracts, which is why they use eSRS data to report their total small business accomplishments. But NNSA is responsible for overseeing its M&O contractors and is ultimately responsible for the quality of the data they report, and that DOE includes in its reports to SBA.

NNSA could take additional steps to oversee the quality of data submitted by its M&O contractors when approving mid-year or end-of-year summary reports in eSRS and better utilize contract data provided in MOSRC to ensure that small business reporting is accurate. For example, NNSA officials could periodically select a sample of contracts from the MOSRC data for each M&O contractor and check it against another database, such as SAM.gov, to ensure contracts captured in MOSRC were issued to businesses that are small according to the NAICS code assigned to the contract.

Standards for Internal Control in the Federal Government state that management should use quality information to achieve the entity's objectives. Reliable sources provide data that are reasonably free from error and bias and faithfully represent what they purport to represent. Additionally, *Standards for Internal Control in the Federal Government* state that management should evaluate issues and remediate deficiencies. Managers may do so by evaluating and documenting issues and determining and completing appropriate corrective actions for deficiencies on a timely basis.

While the sources of data that NNSA has to assess data quality have limitations—either missing some contracts or only at the summary level—using the data that are available to monitor submissions by M&O contractors and ensure the quality of their small business contracting data and processes is important. Doing so would help ensure NNSA's reported achievements to OSDDBU are accurate and annual goals are based on accurate data.

NNSA Could Improve Oversight of Small Business Data by Documenting and Sharing M&O Contractors' Lessons Learned

From 2017 through 2020, NNSA officials said that the Small Business Program conducted compliance audits of its M&O contractors to evaluate their compliance with subcontracting procedures and goals outlined in M&O contractors' small business subcontracting plans. However, NNSA officials told us they discontinued their audits in January 2020 due to resource limitations and because they believed SBA had increased its resources for auditing contractors.

During one NNSA compliance review that was carried out prior to 2020, NNSA officials learned that one M&O contractor's procurement system only stored the primary NAICS code in a business's profile. As a result, this led the M&O contractor to classify businesses as small under all NAICS codes when they might have only been small under some NAICS codes and large under others.³⁶ NNSA officials told us they directed the contractor to correct the issue following its audit. However, during our review, officials from same M&O contractor identified this as one of the primary reasons for the large number of errors in its data, and this issue had not been corrected at the time of our review.

In 2022, SBA conducted compliance reviews for two of the six NNSA M&O contractors whose data we analyzed for this review.³⁷ During the reviews, SBA identified several issues with both contractors' management of data and processes for issuing small business subcontracts that resulted in a marginal rating for both contractors. A marginal rating indicates that the contractor is deficient in meeting one or more subcontracting plan elements or is deficient in complying with contract terms regarding the use of small businesses, and the contractor is required to develop a corrective action plan to address issues identified in the review. SBA conducted follow-up reviews of these two contractors

³⁶This same issue was identified for a different contractor in the 2022 SBA compliance reviews discussed later in this report.

³⁷According to SBA's Subcontracting Program Compliance Review Desk Guide (2022), SBA uses data from end-of-year summary reports to develop a priority ranking system to determine which contractors to select for compliance reviews. Factors which contribute to selecting contractors include the amount of money the contractor awarded to any large or small business during the fiscal year or if SBA officials have a compelling reason to believe that a contractor is not making good-faith effort to achieve its subcontracting goals, among others.

and updated their ratings to satisfactory in 2023 after determining that the contractors had developed and implemented corrective action plans.³⁸

In table 1, we characterize examples of the findings from the initial SBA compliance reviews of these two contractors. This includes findings that both contractors used representations and certifications forms that did not require businesses to sign on the same page as their claimed size status, and that both contractors failed to include the size standard (in annual revenue or number of employees) or NAICS code on appropriate forms. Both issues put the contractors out of compliance with federal regulations. As we noted above, both issues potentially contributed to the errors we found in data reported by M&O contractors.

Table 1: Examples of Findings from Small Business Administration’s (SBA) Compliance Reviews of Two NNSA M&O Contractors, Fiscal Year 2022

SBA finding	Description
Size-certification non-compliance	One contractor did not collect the size certifications for the subcontracting amounts reported on summary reports submitted in the Electronic Subcontracting Reporting System.
North American Industry Classification System (NAICS) code and corresponding size standard non-compliance	Both contractors failed to include the applicable NAICS codes or the size standards on subcontracts or solicitations.
Representation and certification forms non-compliance	Both contractors’ representations and certifications forms did not include a signature block on the same page that contains the size status reported by the small business.
Improper classification of small business and other categories	One contractor’s procurement system did not properly capture size status of vendors who were awarded contracts, leading to incorrect classification of some large businesses being counted toward small business achievements.

Source: GAO analysis of 2022 SBA Subcontracting Program Compliance Reviews for two selected National Nuclear Security Administration (NNSA) management and operating (M&O) contractors. | GAO-25-106820

SBA notified NNSA officials of findings from the compliance reviews, and NNSA officials were invited to attend the entrance and exit briefings. NNSA officials told us they found the corrective actions taken by the M&O contractors were sufficient on the basis of SBA’s follow-up reviews. Although SBA found both data and process issues in their audits, NNSA

³⁸The purpose of a follow-up compliance review is to ensure a contractor has taken the necessary steps to address previously identified deficiencies and currently complies with subcontracting program rules and procedures. If the follow-up compliance review determines that deficiencies have been corrected, the rating will be changed to “satisfactory.” The follow-up compliance review is provided to the head of contracting at the agency that awarded the contract and to its Office of Small Disadvantaged Business Utilization.

did not take additional steps to further review the two M&O contractors' data or processes or adjust its oversight of any of its M&O contractors for awarding contracts to small businesses following the compliance reviews, primarily because they chose not to allocate resources to do so, citing limited capacity in NNSA's Small Business Program.

SBA's 2022 compliance reviews of two M&O contractors found that both contractors used representations and certifications forms to verify small business status from subcontractors. Those forms were not in compliance with federal regulations because they did not require a signature where the size standard associated with the contract was stated, though both M&O contractors changed their forms to bring them into compliance as part of their corrective actions.³⁹ Having business representatives sign on the same page as the contract NAICS code can help ensure that the business is aware of the applicable size standard and knows whether it is small under the standard. NNSA officials were alerted to the two M&O contractors using representations and certifications forms that were not in compliance in 2022 through SBA compliance reviews but did not share this information with other M&O contractors. As a result, this issue was not elevated to other M&O contractors for correction, if necessary.

During our review, we found that three of the four M&O contractors not audited by SBA also had representations and certifications forms that were not in compliance with federal regulations. Two of these M&O contractors identified the issue on their own and corrected it. But we found that one M&O contractor's form was still not in compliance with federal regulations at the time of our review in 2024.

In some of our previous work, NNSA officials raised concerns that they do not have enough staff with the right skills in their acquisition workforce to effectively oversee contracts.⁴⁰ NNSA officials we interviewed for this review cited these same reasons as to why they rely on SBA compliance reviews to identify issues with M&O contractor processes and data and that fixes in response to those compliance reviews are effective. However, SBA only conducted compliance reviews for two of the six M&O

³⁹Specifically, federal regulations state that an authorized official must sign the certification on the same page containing the size status claimed by the concern. 13 C.F.R. § 121.108(c).

⁴⁰GAO, *Department of Energy: Improvements Needed to Strengthen Strategic Planning for the Acquisition Workforce*, [GAO-22-103854](#) (Washington, D.C.: Nov. 16, 2021).

contractors included in our review from fiscal year 2018 through fiscal year 2022.

DOE's Corporate Operating Experience Program is intended to prevent adverse operating incidents and facilitate the sharing of good work practices among DOE sites.⁴¹ DOE departments, including NNSA and most of its M&O contractors,⁴² must submit lessons learned in DOE's Corporate Lessons Learned Database when both (1) the operating experience has relevance to other DOE facilities, sites, or programs; and (2) the information has the potential to help avoid adverse operating incidents or contribute to performance improvements or cost savings. This helps to facilitate the sharing of good work practices among DOE sites and ensures significant issues and lessons learned can be centrally collected, stored, and retrieved to allow readily access to information on a timely basis.

NNSA officials told us that they could benefit from sharing lessons learned to allow contractors to learn from each other and to prevent recurring issues within and among M&O contractors. For example, representatives from the M&O contractor with the lowest error rate in its data told us about two practices it has implemented to help ensure data accuracy. First, representatives told us that to help the M&O contractors' contracting officers determine the correct business size for each contract, they use a computer program to automatically gather business size data from SAM.gov at the time a contract is awarded and input that information into their own procurement system. When contracting officers are preparing to award a contract, they have current information on the business's size according to SAM.gov already in the procurement system. While M&O contractors cannot require businesses to register in SAM.gov to bid on contracts, officials from this M&O contractor said they encourage businesses to do so, which would reduce potential for the contractor to miscategorize businesses size.

Further, representatives from this M&O contractor said that for any contracts that are awarded to businesses that are not registered in SAM.gov, instead of relying solely on a representations and certifications

⁴¹Department of Energy, *DOE Corporate Operating Experience Program*, Order 210.2A (Apr. 8, 2011).

⁴²The order does not apply to the Kansas City National Security Campus because, beginning in 2005, DOE and NNSA exempted the site from DOE and NNSA orders in areas where there were relevant commercial or industrial standards, known as the "Kansas City model."

form, these contracts are flagged to be checked by other contracting officers to ensure that contracts are awarded to small businesses and are recorded properly. Sharing these practices with other M&O contractors could help those who use a similar procurement system and help improve M&O contractors' processes for verifying business size before making an award.

We previously reported on DOE's and NNSA's use of lessons learned, which is a principal component of an organizational culture committed to continuous improvement.⁴³ Lessons learned aim to communicate knowledge more effectively and to ensure that beneficial information is factored into planning, work processes, and activities. Key practices of a lessons learned process include (1) collecting, analyzing, saving, or archiving; and (2) sharing and disseminating information and knowledge gained from positive and negative experiences. Given that NNSA officials have attributed a lack of resources as a reason for limited contractor oversight, documenting and sharing lessons learned about the processes used to identify and verify small business status and management of small business award data could be a cost-effective way to help M&O contractors improve their reported small business data. It could also help NNSA better determine how to allocate resources to focus efforts on the most important issues.

NNSA Could Improve Oversight of Small Business Reporting by Identifying and Mitigating Fraud Risks

Because NNSA and its M&O contractors erroneously reported an estimated \$1.1 billion in small business achievements from fiscal year 2018 through fiscal year 2022, and because NNSA officials and M&O contractor representatives told us they do not fully know the root causes of these errors, NNSA's Small Business Program faces increased fraud risk. NNSA officials told us that they are aware of the potential risk of businesses misrepresenting themselves as small, and that fraud is a risk to any federal program, including the Small Business Program. Due to the amount of money involved in small business contracting—billions of dollars—ensuring that fraud risks are identified and mitigated is important to the integrity of NNSA's Small Business Program. While we did not specifically assess fraud during our audit, the lack of verification of small business representations by M&O contractors and lack of additional

⁴³GAO, *Project Management: DOE and NNSA Should Improve Their Lessons-Learned Process for Capital Asset Projects*, [GAO-19-25](#) (Washington, D.C.: Dec. 21, 2018); and *Department of Energy Contracting: Actions Needed to Strengthen Certain Acquisition Planning Processes*, [GAO-25-106207](#) (Washington, D.C.: Nov. 21, 2024).

NNSA oversight of the quality of contractor data create an environment of increased fraud risk.

Fraud risk exists when individuals have an opportunity to engage in fraudulent activity that poses a significant risk to the integrity of federal programs and can erode public trust. To minimize fraud risk and increase program integrity, GAO's *Framework for Managing Fraud Risks* in Federal Programs provides leading practices that serve as a guide for program managers to use when developing or enhancing efforts to combat fraud in a strategic, risk-based manner.⁴⁴ The Office of Management and Budget's Circular A-123 directs federal agencies, including DOE, to implement the *Framework*. Specifically, the *Framework* recommends that federal programs identify risks and design and implement specific control activities to prevent and detect fraud. And a December 2024 DOE Inspector General report stated that the agency's risk management guidance had been updated to add substantial emphasis on using data analytics to mitigate and reduce potential fraud.⁴⁵

Effective fraud risk management helps to ensure that federal programs fulfill their intended purpose, funds are spent effectively, and assets are safeguarded, such as awards to small businesses, in this case. The *Framework for Managing Fraud Risks* also encourages managers to effectively assess fraud risks the agency or program faces and analyze the potential likelihood and effect of fraud schemes. We have previously highlighted that reliance on self-certifications for eligibility opens agencies up to significant fraud risk as an internal control for fraud prevention.⁴⁶ Even when programs allow for the use of self-certification, agencies can do more to design and implement control activities to prevent the emergence of fraud risks.

DOE has issued multiple enterprise risk management guidance documents to its departments, including NNSA, to improve decisions by having a holistic view of risks and their interdependencies, and those guidance documents reference the leading practices in the *Framework for*

⁴⁴[GAO-15-593SP](#).

⁴⁵Department of Energy, Office of Inspector General, *The Department of Energy Should Invest in and Implement Enterprise-Wide Data Analytics to Identify and Mitigate Risk*, DOE-OIG-25-06 (Washington, D.C.: Dec. 4, 2024).

⁴⁶GAO, *COVID-19: Insights and Actions for Fraud Prevention*, [GAO-24-107157](#) (Washington, D.C.: Nov. 14, 2023).

*Managing Fraud Risks.*⁴⁷ Under DOE’s guidance, headquarters offices, field and site offices, and M&O contractors are to annually assess risk, including fraud. As noted in the sidebar, we have previously reported on contracting fraud schemes at DOE, where businesses have misrepresented themselves as small to win contracting opportunities.⁴⁸

Misrepresentation of Eligibility

We previously reported on contracting fraud schemes that occurred at DOE, some of which included misrepresentation of eligibility. In 2021, we found multiple adjudicated cases of contractors purposefully reporting incorrect information, such as small business status, in a bid proposal to falsely claim eligibility to perform the work.

In one case, in 2010 and 2012, a DOE contractor claimed that it was subcontracting to small, disadvantaged businesses when these businesses were allegedly being used as a pass-through, and the work was performed by a different subcontractor that was not a small, disadvantaged business. The awards were for multimillion-dollar subcontracts, and the government recovered over \$5.5 million from the defendants. As a result of this type of scheme, legitimate small, disadvantaged businesses may not have had the opportunity to fairly compete for and perform work on subcontracts.

Source: GAO. | GAO-25-106820

Despite knowing about contracting fraud schemes within DOE and acknowledging that fraud is a risk for any federal program, including the Small Business Program, NNSA officials told us they have not taken additional steps to identify and assess fraud risks specific to the Small Business Program. Officials told us they have not taken steps because federal statute says that contractors acting in good faith do not have to verify businesses size representations, and NNSA has not committed the resources to verifying the information itself. Additionally, representatives from one M&O contractor told us it is possible that a business could have checked a box on its representations and certifications form regarding its business size that was incorrect, intentionally or unintentionally—an example of one way this fraud risk could materialize. One NNSA official told us that with written representations and certifications forms, there is potential for error and misrepresentation.

While M&O contractors are allowed to rely on businesses’ self-certifications to determine whether they are small, the frequency with which we found awards made to businesses that were not small and were claimed as small business achievements indicate that NNSA and its M&O contractors could do more to mitigate this risk. Businesses falsely claiming small business eligibility when they are not is one example of fraud risks specific to NNSA’s Small Business Program. By identifying fraud risks and developing responses to mitigate them, NNSA can ensure that it maximizes small business participation in agency contracting.

Moreover, agencies can leverage details on fraud schemes and their corresponding effects to evaluate and adapt fraud risk management activities in alignment with leading practices outlined in the *Framework for*

⁴⁷DOE’s Enterprise Risk Management Guidance for fiscal year 2024 states that reporting organizations, including NNSA, must identify risks, including fraud risks, to achieve agency strategic objectives; they must also identify appropriate options for addressing the risks. The guidance also mentions that an example of a non-financial fraud risk includes false claims such as a business making a false statement to win a bid.

⁴⁸GAO, *Department of Energy Contracting: Improvements Needed to Ensure DOE Assesses Its Full Range of Contracting Fraud Risks*, [GAO-21-44](#) (Washington, D.C.: Jan. 13, 2021).

Managing Fraud Risks. NNSA may also be missing out on important trends in fraud risks that are common across multiple M&O contractors by not documenting risks as they emerge and developing appropriate responses to mitigate those fraud risks. Without identifying potential fraud risks related to small business reporting and determining an appropriate risk response, NNSA's Small Business Program may be susceptible to undetected potential fraud, which may take away opportunities from businesses that are small under the size standard assigned to a contract, and which may cause inaccurate small business reporting to continue. NNSA could benefit from a robust process in place to prevent, detect, and respond to potential fraud that may go unnoticed.

Conclusions

NNSA's and M&O contractors' small business goals are intended to enhance opportunities for small businesses to participate in federal contracting. However, we found that while NNSA and six of its M&O contractors reported awarding contracts worth approximately \$16.8 billion to small businesses from fiscal year 2018 through fiscal year 2022, an estimated \$1.1 billion of this amount was reported in error and awarded to businesses that were not small under their contracted NAICS code. Further, this number may be an underestimate because we examined a subset of the data, and because \$1.9 billion in small business contracts did not contain sufficient data for our analysis. The frequency with which we found these errors suggests NNSA can do more to improve its oversight of small business contract reporting. Taking steps to identify and address root causes for errors in both NNSA's and M&O contractors' reported data would better ensure that quality data are reported and that contracting opportunities are maximized to include small business participation.

While the data sources that NNSA has access to are limited in different ways, NNSA could still use that data to oversee the quality of the data used for small business reporting. Additionally, some errors we identified in the data resulted from issues previously identified by NNSA and SBA during small business reporting reviews. These issues were not regularly communicated with the M&O contractor community. By developing and documenting lessons learned from M&O contractors on how to improve accuracy of processes and data, NNSA and its M&O contractors can share positive experiences to identify potential solutions to recurring issues where they exist. Moreover, strengthening oversight of M&O contractor processes and data for reporting small business achievements can decrease fraud risk and strengthen small business contracting efforts.

Recommendations for Executive Action

We are making a total of five recommendations to NNSA:

The Administrator of NNSA should ensure that the Small Business Program identifies root causes of errors in NNSA's prime small business contract data and establishes an approach to address those root causes of errors to ensure data quality. (Recommendation 1)

The Administrator of NNSA should ensure that the Small Business Program works with M&O contractors to identify the root causes of errors in their small business subcontract data and establishes an approach to address those root causes of errors to ensure data quality. (Recommendation 2)

The Administrator of NNSA should ensure that the Small Business Program uses available data sources, as feasible, to oversee the quality of the data used to generate reporting on NNSA's and M&O contractors' small business awards. (Recommendation 3)

The Administrator of NNSA should ensure that the Small Business Program collects, develops, documents, and disseminates lessons learned about small business contracting processes and data reporting from M&O contractors to allow contractors to learn from each other and to prevent issues from recurring across the enterprise. (Recommendation 4)

The Administrator of NNSA should ensure that the Small Business Program identifies fraud risks to the program and develops responses to mitigate those risks, to ensure small business awards are used to fulfill their intended purpose. (Recommendation 5)

Agency Comments

We provided a draft of this report to NNSA for review and comment. In its written comments, reproduced in appendix III, NNSA concurred with all five of our recommendations. NNSA estimated it will address these recommendations by October 31, 2025 or December 31, 2025, depending on the recommendation.

NNSA also provided technical comments, which we incorporated as appropriate.

We are sending copies of this report to the appropriate congressional committees, the Secretary of Energy, the acting NNSA Administrator, and other interested parties. In addition, the report is available at no charge on the GAO website at <https://www.gao.gov>.

If you or your staff have any questions about this report, please contact me at (202) 512-3841 or BawdenA@gao.gov. Contact points for our Offices of Congressional Relations and Public Affairs may be found on the last page of this report. GAO staff who made key contributions to this report are listed in appendix IV.

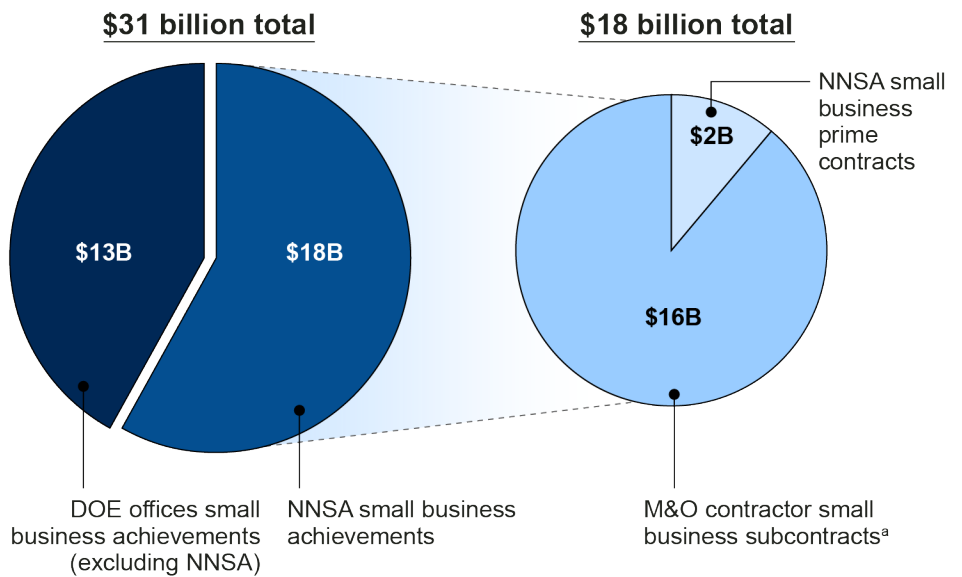
A handwritten signature in black ink, appearing to read "Allison Bawden". The signature is fluid and cursive, with the first name "Allison" written in a larger, more prominent script than the last name "Bawden".

Allison Bawden
Director, Natural Resources and Environment

Appendix I: Analysis of National Nuclear Security Administration Small Business Data

The National Nuclear Security Administration (NNSA) and its management and operating (M&O) contractors awarded small businesses contracts for a variety of different goods and services from fiscal year 2018 through fiscal year 2022. During this time, the Department of Energy (DOE) reported awarding approximately \$31 billion in small business contracts, including subcontracts from its M&O contractors; this was approximately 16 percent of its total procurements.¹ NNSA and its M&O contractors accounted for \$18 billion of DOE's total awards to small businesses from fiscal year 2018 through fiscal year 2022.²

Figure 3: Department of Energy (DOE) and National Nuclear Security Administration (NNSA) Reported Small Business Achievements, Fiscal Years 2018–2022



Source: GAO analysis of DOE and NNSA data. | GAO-25-106820

^aThis amount reflects small business achievements by the six management and operating (M&O) contracts whose data we reviewed, in addition to achievements by the two M&O contractors for whom NNSA does not set small business goals but contributed to the total M&O small business achievements from fiscal year 2018 through fiscal year 2022. Additionally, achievements reflected in

¹DOE reported approximately \$189.6 billion in total on procurements from fiscal year 2018 to fiscal year 2022.

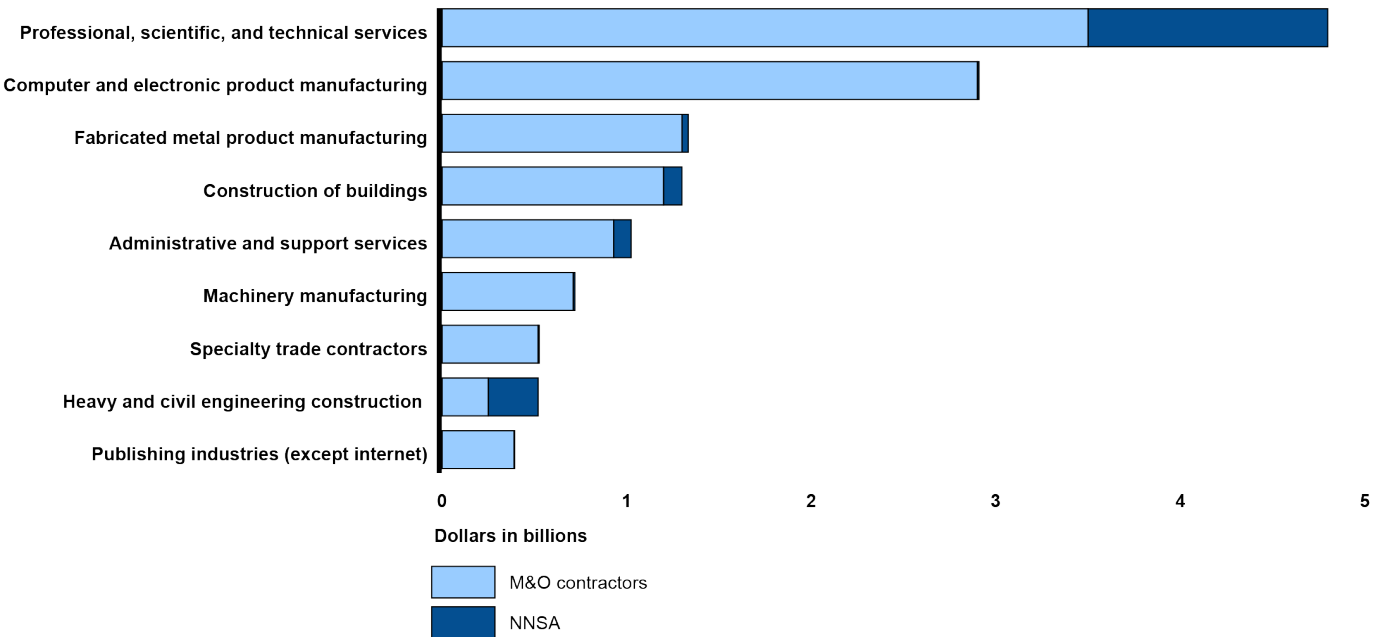
²Our scope did not include Fluor Marine Propulsion, LLC, and Bechtel Marine Propulsion Corporation, the two M&O contractors who ran the Naval Nuclear laboratories from fiscal year 2018 through fiscal year 2022. NNSA's six M&O contractors whose data we analyzed accounted for approximately \$16.8 billion in small business achievements, and Fluor Marine Propulsion and Bechtel Marine Propulsion accounted for \$1.2 billion in small business achievements.

this figure have been rounded and may not represent the exact small business achievements reported by DOE and NNSA.

Of the \$16.8 billion in small business achievements reported during 2018 through 2022 that we analyzed, almost \$8 billion was awarded in two North American Industry Classification System (NAICS) categories. About \$5 billion was awarded under the NAICS codes for Professional, scientific, and technical services, which includes legal services, accounting, specialized computer system design, and scientific and technical consulting services. For example, one small business owner told us that the company was contracted to carry out project management and project planning; another small business carried out safety and risk management reviews for a program. Almost \$3 billion was awarded under the NAICS codes for Computer and electronic product manufacturing, which includes work like computer manufacturing, communications equipment manufacturing, audio and video equipment manufacturing, and semiconductor manufacturing.

Other areas in which NNSA and M&O contractors awarded contracts for goods and services to small businesses included Fabricated metal product manufacturing, Construction, Administrative services, and Machinery manufacturing (see fig. 4). For example, one small business was awarded a contract under a construction-related NAICS code to carry out the concrete work on a construction site in the nuclear security enterprise.

Figure 4: Top Categories of Goods and Services Purchased from Small Businesses by the National Nuclear Security Administration (NNSA) and Its Management and Operating (M&O) Contractors, Fiscal Years 2018–2022



Source: GAO analysis of NNSA and its M&O contractor data. | GAO-25-106820

Representatives from several M&O contractors told us that they award contracts for a variety of goods and services to small businesses. Representatives from one M&O contractor said they award contracts for everything from paper to laser parts, services like high performance computing, supplemental labor, off-the-shelf commercial products, and consulting services. Representatives from another M&O contractor said that some things are easy to contract to small businesses, like custodial services or purchase of office supplies. But certain things like force protection or construction are more difficult to contract to small businesses, as there are a limited number of small businesses with capacity to do the work.

Comparison of Small Business Contracts and Associated Expenditures

The Senate report accompanying the fiscal year 2023 National Defense Authorization Act includes a provision for us to examine the differences in NNSA and its M&O contractors’ planned obligations to contracts with small businesses and the actual obligation and expenditure amounts under such contracts. We found that the majority of contracts awarded to small businesses by NNSA and its M&O contractors were largely paid out—the amounts obligated to the contract were largely expended (see

table 2). We also analyzed the types of goods and services NNSA and its M&O contractors purchased from small business, according to reported small business achievements.

Table 2: Percentage of Small Business Contracts Paid Out by NNSA and M&O Contractors, Fiscal Years 2018–2022

NNSA or M&O contractors	Percentage of total contracts that were more than 75% paid out to small businesses ^a
NNSA	54%
M&O contractors ^b	93%

Source: GAO analysis of data from the National Nuclear Security Administration (NNSA) and its management and operating (M&O) contractors. | GAO-25-106820

^aOur analysis includes closed contracts that were obligated from fiscal year 2018 through fiscal year 2022. When fiscal year 2023 expenditure data were available from NNSA and M&O contractors, we included that data to account for contracts that were obligated in fiscal year 2022 but were paid out in fiscal year 2023. We use “paid out” synonymously with “expended.”

^bWe define M&Os as the six M&O contractors for which NNSA sets small business goals as defined by this report. This percentage includes the average amount expended across all six M&Os.

There is no requirement for M&O contractors to reconcile obligations against expenditures. Depending on the type of contract used when issuing an award, the amount obligated and expended may not always align. For example, in firm-fixed price contracts, the price is not subject to any adjustment on the basis of the contractor’s cost experience in performing the contract.³ However, in a time-and-materials contract, the extent or duration of the work and costs cannot be accurately estimated when the contract is issued.⁴ It may be beneficial for an agency to use a variety of contract types, depending on the circumstances or types of goods or services procured. Both NNSA and its M&O contractors used a variety of different contract types when awarding contracts to small businesses.

We compared the amount expended (paid out) on contracts against the amount that was obligated to the contract. We found that 54 percent of the contracts NNSA reported awarding to small businesses from 2018 through 2022 were paid out at least 75 percent or more. For example, this means that NNSA would have paid out at least \$7,500 on a contract for \$10,000 awarded to a small business. Additionally, we found that, on

³48 C.F.R. § 16.202-1. The Federal Acquisition Regulation establishes the conditions in which each contract type can be used.

⁴48 C.F.R. § 16.601(c).

average, 93 percent of subcontracts across the six M&O contractors' data we reviewed paid out more than 75 percent of the amounts obligated to those contracts. While some variance is expected between the amount obligated and expended, NNSA and its M&O contractors provided us with reasons for those variances. These included multiyear contracts paid out over time and use of different contract types.

To analyze obligations and expenditures on small business contracts, we requested data from NNSA and six M&O contractors on amounts obligated and expended on small business contracts from fiscal year 2018 through fiscal year 2022. We also requested fiscal year 2023 expenditure data, when possible, from NNSA and M&O contractors, so that we could include it in our analysis of contracts that were obligated in fiscal year 2022 but were paid out in fiscal year 2023. In addition to our data analysis, we reviewed documents and conducted interviews with agency officials and M&O contractor representatives.

In our interviews with representatives from the same 18 businesses selected from reported data as having been awarded small business contracts noted in appendix II, we included questions about the effect of obligations that were not fully paid out on their small business operations.⁵ Three small businesses mentioned that the obligated amount reflected the highest amount the M&O contractor was willing to pay for the work, and the businesses were fully paid for the actual work that was completed, which in some cases required less time to execute. While the type of contract may affect the amount obligated against the amount expended, two contractors also noted that their contracts included different methods to execute the work; however, the contracts did not require executing all options on the contract. Multiple small businesses reported positive experiences working with different M&O contractors in our scope, and they said that variances between the amounts obligated and expended did not affect business operations.

While many business representatives reported positive experiences working with M&O contractors when executing contracts, two businesses noted effects of lower-than-expected expenditures on small business operations. One business owner stated that there was a difference in

⁵Using the data we received from M&O contractors on small business obligations and expenditures, we selected a non-generalizable sample of 15 small businesses who held a completed contract with at least one M&O contractor from fiscal year 2018 through fiscal year 2022, contracts representing different industries, and contracts where the amount expended on the contract was less than 50 percent amount obligated.

opinion on how to execute the work which resulted in the contract ending early. Consequently, the owner was financially affected by not being able to complete the billable work outlined on the contract and had forgone opportunities to continue to market his business and solicit new work. Additionally, the business owner had several employees whom he hired to assist him in executing the scope of work on the contract that were also affected by the income loss from the contract ending early without being able to complete the work.

Another business representative we spoke with also noted extenuating circumstances which prevented the business from conducting work outlined on the contract. When executing the project, the project was put on hold when one of the materials needed to complete the work became unavailable in the quantities required by the M&O contractor. During the hold, the representative noted that several staff that had been background checked and cleared were unable to make progress on the work. The prolonged hold exposed the business to market concerns, as staff compensation changed from the initial amount budgeted when the contract was first awarded. However, the business representative noted positive communication by the M&O contractor despite effects on their small business operations.

Appendix II: Objectives, Scope, and Methodology

Senate Report 117-130, accompanying the fiscal year 2023 National Defense Authorization Act, includes a provision for us to review the National Nuclear Security Administration's (NNSA) approach to contracting with small businesses and achieving its small business contracting goals.¹ In our report, we examine the extent to which (1) NNSA and its management and operating (M&O) contractors accurately reported fiscal year 2018 through fiscal year 2022 small businesses contracts; and (2) NNSA has conducted oversight of its M&O contractors' small business contract reporting, including assessing fraud risks.

We requested data on awards made to small businesses from fiscal year 2018 through fiscal year 2022 from NNSA and six of its M&O contractors for this period:

- Consolidated Nuclear Security, LLC, the M&O contractor for both the Y-12 National Security Complex and Pantex Plant;²
- Honeywell Federal Manufacturing and Technologies, LLC, the M&O contractor for the Kansas City National Security Campus;
- Lawrence Livermore National Security, LLC, the M&O contractor for Lawrence Livermore National Laboratory;
- Mission Support and Test Services, LLC, the M&O contractor for the Nevada National Security Site;
- National Technology & Engineering Solutions Of Sandia, LLC, the M&O contractor for Sandia National Laboratories; and
- Triad National Security, LLC, the M&O contractor for Los Alamos National Laboratory.

Our scope included the six M&O contractors for whom NNSA set small business goals from fiscal year 2018 through fiscal year 2022. Our scope did not include M&O contractors at NNSA sites that were administered, in whole or in part, by other organizations. Specifically, our scope did not include Fluor Marine Propulsion, LLC, which managed and operated the Naval Nuclear Laboratories (jointly managed by NNSA and the U.S. Navy) from fiscal year 2019 through fiscal year 2022, or Bechtel Marine Propulsion Corporation, which managed and operated the Naval Nuclear

¹S. Rep. No. 117-130, at 369 (2022) (accompanying James M. Inhofe National Defense Authorization Act for Fiscal Year 2023, S. 4543, 117th Cong. (2022)).

²A new M&O contractor took over management and operations of the Pantex Plant as of November 1, 2024.

Laboratories in fiscal year 2018. Fluor Marine Propulsion and Bechtel Marine Propulsion did both report small business achievements to NNSA, but NNSA did not negotiate goals with those two M&O contractors. Additionally, our scope did not include Savannah River Nuclear Solutions LLC, the M&O contractor for the Savannah River Site (managed during the period of our review by the Department of Energy's (DOE) Office of Environmental Management).

To determine the extent to which NNSA and its M&O contractors accurately reported on small business contracts, we obtained data on all reported small business contracts awarded by NNSA and the six M&O contractors in our scope for fiscal year 2018 through fiscal year 2022. We carried out multiple analyses on this data. However, first, we cleaned the data to create a dataset of unique businesses found in the M&O contractors' data and NNSA's data.

- We used a crosswalk created with datasets from August 2021 that contained Data Universal Numbering System (DUNS) identification numbers and April 2022 that contained Unique Entity Identifier (UEI) numbers to crosswalk the list of vendors with DUNS numbers against list of vendors with UEIs to ensure as many vendors as possible had both DUNS and UEIs associated with them.
- We identified and combined any duplicate vendors in NNSA and M&O contractor data (e.g., Acme, LLC; Acme LLC; and ACME Corp.) This involved matching DUNS numbers, UEIs, or searching vendors by their System for Award Management (SAM.gov) profile. We compared business data across M&O contractors to ensure we consolidated business information correctly.

After cleaning the data, we created a consolidated dataset of business instances: each instance was one row of data per business and contained the business DUNS number, UEI, name, North American Industry Classification System (NAICS) code, entity who made the award(s) (either an M&O contractor or NNSA), and total commitments. When a business received multiple contracts under a single NAICS code from an individual M&O contractor or from NNSA, these amounts were aggregated to show a total amount of contracts awarded by that M&O contractor or NNSA to the business from 2018 through 2022. Hence, an instance of a business is not a contract award but is the aggregate of all contracts awarded by a specific M&O contractor or NNSA to a business for a contract under the same NAICS code.

For some businesses, the instance may only be made up of a single contract award, if that business was only awarded a single contract. Other instances of businesses are made up of dozens or hundreds of contract awards from a single or multiple M&O contractors and NNSA. Businesses may be in our dataset multiple times if they worked under multiple NAICS codes or for multiple M&O contractors or NNSA. Our total business instance dataset contained about 34,000 instances of businesses.

After creating the business instance dataset, we queried SAM.gov using the UEs to obtain the small business representations for each UE as of April 2024.³ In addition, we used historical SAM.gov registration datasets from October 2017 and April 2022 to compare each business's reported annual revenue and number of employees to the size standards for the NAICS code at that point in time. For any instance where the NAICS code has multiple size standards (i.e., exceptions), we used the size standard with the largest annual revenue or number of employees for our dataset to be conservative. Additionally, we used only SAM.gov registration records where the annual revenue and number of employees were populated by the business. Where a single UE returned multiple SAM.gov registration records, we kept the registration record with the most recent updated date.

We compared the business instance dataset to the three SAM.gov datasets (2024, 2022, and 2017). Since all the businesses listed in the M&O contractor and NNSA dataset were reported as small business awards, the SAM.gov datasets should have confirmed that each instance of a business was, indeed, small. But the results of our analysis actually created two subsets of businesses: (1) those that were small at all three points in time (2024, 2022, and 2017) or were small at all points in time for which they had data in SAM.gov—23,975 business instances; and (2) those that were not small under size standards at one or more of these points in time (2024, 2022, or 2017)—3,339 business instances.

We concluded that the first subset of businesses was highly likely to have been small for the purposes of the award as reported.

We performed additional analysis on the second subset of businesses because they had a higher likelihood of not being small at the time of the contract award. Using this second subset of data, which comprised 3,339

³Where necessary, we stripped only the small business representations and certifications for inclusion in our SAM.gov dataset, so that no sensitive data were used in this dataset.

instances and was worth \$4.1 billion in contract awards, we drew a generalizable stratified sample to ascertain the amount of contract dollars awarded to businesses that were not small under the size standard on a contract at the time of award. Additionally, we used this sample to estimate number of contracts associated with businesses that were not small under the size standard for the NAICS code assigned to the contract at the time of award.

For our sample, we drew 178 business instances to ascertain the total estimated dollar amount of contracts that were reported erroneously. We manually checked the business instance data for each sample (UEI, NAICS code, earliest date of contract award, latest date of contract award) against the SAM.gov entry for that business for the date closest to but preceding the earliest and latest contract award dates. By using this method, the SAM.gov entry we examined is the same one a contracting official might have seen if they had checked SAM.gov to verify a business's status at the time of the contract award.

We considered a business instance to be a small business across all its contracts if we found it to be small at its earliest date of contract award and latest date of contract award. We consider a business instance to not be a small business across all its contracts if we found it to be not small at its earliest date of contract award and latest date of contract award. In cases where a business instance's small business status did not match between the earliest date and latest date, we manually examined their contracts and determined which of the business instance's contracts were small at the contract award date. For businesses that did not have profiles in SAM.gov, or for which data was unclear, we marked them as "no data" and did not use them in calculating our error estimates.

This process allowed us to associate a number of contracts by small business status (whether they were small or not small) to each business instance in our sample. We created a stratified sample based on the population distribution (in this case, dollar amounts of business instances); the strata were structured to capture the variance of the distribution while oversampling larger observations (i.e., higher dollar amounts). We oversampled larger observations to help guarantee that large contract award amounts made to businesses that were not small businesses were captured in the sample. We used the Neyman allocation method to determine the optimal sample sizes for each stratum. We produced an estimate using SAS's Surveyfreq procedure and Taylor series linearization for variance estimation. A finite population correction was applied to estimate standard errors.

We found data for 168 business instances, which is a response rate of 94.4 percent. Based on sample results, we identified an estimated \$1.06 billion in contracts that were reported as small business achievements in error, rounded up to \$1.1 billion for reporting purposes. Our estimate has an upper bound of \$1.29 billion in reporting errors and a lower bound of \$838 million in reporting errors. Margins of error for both samples' derived estimates in this report were calculated at the 95 percent confidence level.

We also used this sample to estimate the total number of contracts that were awarded to businesses that were not small. As our stratified sample design reflects the distribution of funds allocated to business instances and not the distribution of contracts across business instances, a post-stratification adjustment to our weights was necessary to create a better unbiased estimator of the number of contracts. To do this, we created post-strata to reflect right-skewed distribution of contracts across business instances. We generated our count of contracts using SAS's Surveymeans procedure and Taylor series linearization for variance estimation. The Proc Surveymeans post-strata statement was used to incorporate our post-strata and calculate our post-stratification adjusted weights. A finite population correction was applied to estimate standard errors. The estimate produced is generalizable to the subset of data that were initially identified as possibly not being small businesses.

As a result, we estimate that at least 7,114 contracts were awarded to businesses that were not small at the time of the contract award under the NAICS code on the contract. This is the lower bound of the estimate; the point estimate is 12,119 contracts, and the upper bound estimate is 17,124 contracts ($\pm 2,554$ contracts).⁴

After completing our initial review of the sample, we interviewed officials from the small business programs at each M&O contractor and NNSA to give them the opportunity to comment on or correct the errors we identified in their specific sample data. Only one M&O contractor went through each error and presented documentation that some of the contracts awarded had not been reported in error and explained how these business instances had ended up in our subset of data most likely to contain errors. Based on the documentation this M&O contractor presented and the reasons they gave for data appearing to be erroneous

⁴NNSA and M&O contractors included both stand-alone contracts and purchase orders in their data, and we did not distinguish between these in our estimate.

when it was not, we amended the results of the sample accordingly to take their corrections and explanations into account, where appropriate.

Using the M&O contractor and NNSA data that we obtained, we also analyzed it to ascertain what M&O contractors and NNSA reported purchasing from small businesses by analyzing the data to determine the total number and total value of contracts that were awarded by NAICS group (using the first three digits of the NAICS code). We also calculated the average contract value for each M&O contractor, all six M&O contractors in our scope, and M&O contractors and NNSA combined.

We used the M&O contractor data to check the accuracy of each M&O contractor's summary report for each year of our scope in the Electronic Subcontract Reporting System (eSRS) by comparing the total amounts of contracts awarded by each M&O contractor to the amount they reported in eSRS annually. We also collected data from the DOE's Management and Operating Subcontract Reporting Capability (MOSRC) for each year of our scope. However, we found this data to be unreliable for our purposes because it comprised only a subset of the reported small business achievement for NNSA and its M&O contractors.

We gathered documentation on M&O contractor and NNSA small business policies and interviewed small business program officials in NNSA's Office of Partnership and Acquisition Services and at each M&O contractor in our scope about small business goal setting, contract awards, and achievement reporting. We randomly selected a nongeneralizable sample of 18 businesses awarded small business contracts from M&O contractor data and interviewed business representatives about their experiences subcontracting with M&O contractors. Views from these representatives are not generalizable to those we did not select and interview.

To assess the reliability of data obtained from NNSA and its M&O contractors, we (1) examined the data for obvious errors in accuracy and completeness by comparing it to other reliable sources of information, including summary reports in eSRS and reports from the Federal Procurement Data System; (2) reviewed related documentation for each data system, including user manuals and audit reports; and (3) worked closely with agency and M&O contractor officials to identify any data problems and ensure we were using correct data for our analyses. When we found discrepancies (such as missing data, duplicate records, or data entry errors), we brought them to the appropriate official's attention and worked with NNSA or that contractor to correct discrepancies before

conducting our analyses. We determined that the data were sufficiently reliable for the purpose of describing total amounts of awards to small businesses from fiscal year 2018 through fiscal year 2022, as well as the number and amount of reported errors in the data.

To examine the extent to which NNSA has conducted oversight of its M&O contractors' small business contract reporting, we reviewed SBA regulations, the Federal Acquisition Regulation, the Department of Energy Acquisition Regulation, agency-specific guidance on contractor oversight, and our relevant reports.⁵ We also reviewed information from eSRS, a government-wide tool for monitoring subcontracting performance; the Federal Procurement Data System; and MOSRC. We reviewed federal requirements for reports M&O contractors submit on their subcontracting activities and corresponding DOE guidance.⁶ We reviewed documentation from SBA compliance reviews to identify any known deficiencies among contractors and identify potential lessons learned. Additionally, we compared NNSA's and its M&O contractors' processes and data reporting to *Standards for Internal Control in the Federal Government* for managing reliable data and evaluating deficiencies. We interviewed SBA and NNSA officials regarding steps taken to oversee subcontract reporting.

To understand the potential for increased fraud risk in NNSA's reporting of its small business awards, we reviewed GAO's *Standards for Internal Control in the Federal Government* and GAO's *Fraud Risk Framework*. The Office of Management and Budget's Circular A-123 directs federal agencies, including DOE, to implement the *Framework*.⁷ Fraud and fraud risk are distinct concepts. Fraud is the act of obtaining something of value through willful misrepresentation and is a determination to be made through the judicial or other adjudicative system. Fraud risk exists when individuals have an opportunity to engage in fraudulent activity, have an incentive or are under pressure to commit fraud, or are able to rationalize committing fraud. Although the occurrence of fraud indicates there is a

⁵In [GAO-19-107](#), we examined the extent to which DOE ensured that contractors audit subcontractors and that contractors met subcontract oversight requirements. GAO, *Department of Energy Contracting: Actions Needed to Strengthen Subcontract Oversight*, [GAO-19-107](#) (Washington, D.C.: Mar. 12, 2019).

⁶While 48 C.F.R. § 19.704 discusses federal requirements for submitting subcontract reports, the Department of Energy Acquisition Guide further discusses DOE and NNSA's oversight responsibility in reviewing subcontract plans.

⁷Office of Management and Budget, *Management's Responsibility for Enterprise Risk Management and Internal Control*, Circular No. A-123 (July 15, 2016).

fraud risk, a fraud risk can exist even if actual fraud has not yet been identified or occurred. While our report did not assess fraud, we did examine the risk of fraud in the context of NNSA's oversight of its M&O contractors' small business reporting.

We conducted this performance audit from May 2023 to March 2025 in accordance with generally accepted government auditing standards. Those standards require that we plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on our audit objectives. We believe that the evidence obtained provides a reasonable basis for our findings and conclusions based on our audit objectives.

Appendix III: Comments from the National Nuclear Security Administration



Department of Energy
Under Secretary for Nuclear Security
Administrator, National Nuclear Security Administration
Washington, DC 20585



February 11, 2025

Ms. Allison B. Bawden
Director, Natural Resources
and Environment
U.S. Government Accountability Office
Washington, DC 20548

Dear Ms. Bawden:

Thank you for the opportunity to review the Government Accountability Office (GAO) draft report, *Small Business Contracting: National Nuclear Security Administration Needs Increased Contractor Oversight To Reduce Reporting Errors* (GAO-25-106820). The Department of Energy's National Nuclear Security Administration (NNSA) appreciates GAO's review of NNSA's reporting on small business contracts and for highlighting areas where NNSA can strengthen reporting through improved data quality and enhanced program oversight.

NNSA agrees with the auditors' recommendations. The enclosed management decision outlines the specific actions taken and planned to be taken to address each recommendation. NNSA subject matter experts have also provided technical and general comments under separate cover for your consideration to enhance the clarity and accuracy of the report. If you have any questions about this response, please contact Mr. Dean Childs, Director, Audits and Internal Affairs, at (202) 836-3327.

Sincerely,

Teresa M. Robbins
Acting Under Secretary for Nuclear Security
and Administrator, NNSA

Enclosure

Enclosure

NATIONAL NUCLEAR SECURITY ADMINISTRATION
Management Decision

“Small Business Contracting: National Nuclear Security Administration Needs Increased Contractor Oversight To Reduce Reporting Errors” (GAO-25-106820)

The Government Accountability Office (GAO) recommends the Department of Energy's National Nuclear Security Administration (NNSA):

Recommendation 1: Ensure that the Small Business Program (SBP) identifies root causes of errors in NNSA's prime small business contract data and establishes an approach to address those root causes of errors to ensure data quality.

Management Response: Concur. NNSA's SBP reviewed the prime small business contract data analyzed by the GAO audit team and determined that the errors in the data were the result of human input error; the erroneous data has been corrected. To enhance awareness of this issue, the SBP will periodically share information on the types of data errors during NNSA's Procurement Excellence Training sessions. The SBP intends to implement changes to NNSA's Acquisition Management Information System (AMIS), which will prompt the user to confirm proper vendor size status, further ensuring the quality of NNSA's prime small business contract data. The estimated date for implementing potential AMIS enhancements is October 31, 2025.

Recommendation 2: Ensure that the SBP works with management and operating (M&O) contractors to identify the root causes of errors in their small business subcontract data and establishes an approach to address those root causes of errors to ensure data quality.

Management Response: Concur. The SBP will use the Procurement Management Review (PMR) and Procurement Evaluation and Re-Engineering Team (PERT) processes to address the root causes of errors in M&O small business subcontract data. Pertinent questions building on GAO's detailed analysis of the data will be incorporated into the PMR and PERT reviews, institutionalizing an enhanced focus the quality of the M&Os' small business subcontract data. The estimated date for updating the PMR and PERT review questions is October 31, 2025.

Recommendation 3: Ensure that the SBP uses available data sources, as feasible, to oversee the quality of the data used to generate reporting on NNSA's and M&O contractors' small business awards.

Management Response: Concur. NNSA's Office of Partnership and Acquisition Services (NA-PAS) currently receives an error report listing which is generated weekly by the Department. NA-PAS shares this listing with cognizant NNSA Contracting Officers for their use in addressing identified errors with NNSA's prime contract data, including small business information. To strengthen oversight of this data, the SBP will establish a process for verifying that errors with vendor size status have been correctly updated by the NNSA Contracting Officers. The SBP will implement a similar size-status review and validation process for the

**Appendix III: Comments from the National
Nuclear Security Administration**

Enclosure

M&Os' small business subcontract data to ensure any data errors are identified and corrected. The estimated date for completing these actions is December 31, 2025.

Recommendation 4: Ensure that the SBP collects, develops, documents, and disseminates lessons learned about small business contracting processes and data reporting from M&O contractors to allow contractors to learn from each other and to prevent issues from recurring across the enterprise.

Management Response: Concur. NNSA's SBP will implement a process to share the most recent and all future Small Business Administration Compliance Review findings. The SBP will also enhance awareness of the types of issues being identified by compliance reviews through periodic in-house training sessions and by participating in the Department's Small Business Program Manager training sessions. The estimated date for disseminating the most recent findings and conducting initial in-house training, is October 31, 2025.

Recommendation 5: Ensure that the SBP identifies fraud risks to the program and develops responses to mitigate those risks, to ensure small business awards are used to fulfill their intended purpose.

Management Response: Concur. NNSA's SBP will identify relevant fraud risks using GAO's *Framework for Managing Fraud Risks in Federal Programs* and will develop appropriate responses to address the identified risks. The estimated date for completing this action is December 31, 2025.

Appendix IV: GAO Contact and Staff Acknowledgments

GAO Contact

Allison Bawden, (202) 512-3841 or bawdena@gao.gov

Staff Acknowledgments

In addition to the contact named above, Hilary Benedict (Assistant Director), Ned Woodward (Assistant Director), Alisa Carrigan (Analyst in Charge), Meg McAloon, and Lena Nour made key contributions to this report. In addition, key support was provided by Mari Calderón, Antoinette Capaccio, Suellen Foth, Cindy Gilbert, Mae Jones, Nazmee Kamal, Teague Lyons, Matt McLaughlin, Abinash Mohanty, Jill Naamane, Andrew Pauline, Rebecca Shea, and Sara Sullivan.

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