

**Fiscal Year 2019
DOE/NNSA Strategic Performance Evaluation and Measurement Plan (PEMP)**

Consolidated Nuclear Security, LLC

Management and Operation of the

Pantex Plant and the Y-12 National Security Complex

Contract Number: DE-NA0001942

Performance Evaluation Period: October 01, 2018 through September 30, 2019

[Redacted]

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FY 2019 Performance Evaluation and Measurement Plan

Document Revision History

Revision	Date	Change Description
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INTRODUCTION

The Pantex Plant (Pantex) and Y-12 National Security Complex (Y-12) are plant sites owned by the United States, under the custody of the Department of Energy (DOE), and are managed by Consolidated Nuclear Security, LLC (CNS) under Contract No. DE-NA0001942. Pursuant to the terms and conditions of the Contract, this National Nuclear Security Administration (NNSA) Performance Evaluation and Measurement Plan (PEMP) sets forth the criteria by which NNSA will evaluate CNS performance and upon which NNSA shall determine the amount of award fee earned. The available award fee amounts for FY 2019 are specified in Section B, Supplies or Services and Prices/Costs, of the Contract. This PEMP promotes a strategic governance and oversight framework based on prudent management of risk, accountability, transparency, and renewed trust. It implements the collective governance and oversight reform principles as expressed by the DOE/NNSA.

PERFORMANCE BASED APPROACH

The performance-based approach evaluates CNS performance through a set of Goals. Each Goal, and its associated Objectives and Key Outcomes (if applicable), will be measured against authorized work in terms of cost, schedule, and technical performance, and the respective outcomes, demonstrated performance, and impact to the DOE/NNSA mission.

MISSION

The Pantex mission supports managing the nation's nuclear stockpile by performing disassembly, inspection and rebuild of weapon evaluations cycle units, assembly of Joint Test Assemblies (JTAs) and JTA post mortem analysis, assembly and disassembly of test bed units, Limited Life Component Exchange, programmatic alternations (usually defined as Alts or Mods), weapon repairs, weapon and component radiography and non-destructive evaluation, high explosive testing and explosive component evaluation, pit and non-nuclear evaluations, electrical and mechanical test, and surveillance and evaluation testing in support of Quality Evaluation Reports.

Y-12 supports national security programs through production of weapons components and parts; stockpile evaluation and maintenance; stockpile surveillance; dismantlement; and nuclear materials management, storage, and disposition. Its primary mission is the manufacturing of modern secondaries and processing and storage of highly enriched uranium.

Additionally, Pantex and Y-12 support several other NNSA identified missions, including nuclear nonproliferation, the Naval Reactors Program, emergency response, continuing management reform, and recapitalizing NNSA infrastructure.

MISSION PERFORMANCE

CNS is accountable for and will be evaluated on successfully executing mission program work in accordance with applicable DOE/NNSA safety and security requirements consistent with the terms and conditions of the Contract. Protection of worker and public safety, the environment, and security are essential and implicit elements of successful mission performance. Accordingly, CNS shall plan safety and security improvements and accomplishments as an integral component of mission performance contributing to meeting the affected programmatic Goals. The model for this PEMP is to rely on CNS leadership to use appropriate DOE contractual requirements and recognized industrial standards based on consideration of assurance systems, and the related measures, metrics, and evidence. **CNS is expected to manage in a safe, secure, efficient, effective, results-driven manner, with appropriate risk management and transparency to the Government,**

while taking appropriate measures to minimize costs that do not compromise core objectives and mission performance. Products and services are expected to be of high-quality and delivered on-schedule and within budget.

CONSIDERATION OF CONTEXT IN PERFORMANCE EVALUATION

The evaluation of performance will consider “context” such as unanticipated barriers (e.g., budget restrictions, rule changes, circumstances outside CNS control), degree of difficulty, significant accomplishments, and other events that may occur during the performance period. A significant safety, security, or quality event may result in an overall limitation to adjectival ratings. Such impacts may be balanced by the response to the incident, and by other initiatives to improve overall safety or security performance. CNS is encouraged to note significant safety and security continuous improvements.

PERFORMANCE RATING PROCESS

DOE/NNSA will review performance throughout the performance evaluation period, and provide tri-annual feedback to CNS highlighting accomplishments and/or issues. At the end of the performance evaluation period, an evaluation of CNS performance will be completed and documented in a Performance Evaluation Report (PER), and will include the performance ratings and award fee earned for the subject performance evaluation period. Objectives and KOs (if any) will be assessed in the aggregate to determine an adjectival performance rating for each Goal. DOE/NNSA will consider the CNS end of year self-assessment report in the performance evaluation. The performance ratings will be determined in accordance with FAR 16.401(e)(3) yielding ratings of Excellent, Very Good, Good, Satisfactory or Unsatisfactory. The Goals will then be considered in the aggregate to provide an overall rating and percentage of award fee earned for the contract. Notwithstanding the overall strategic framework, any significant failure in any goal may impact the overall rating and award fee earned. Dollar values contained in the PEMP are provided as guidelines for developing a recommendation of fee allocation to the Fee Determining Official (FDO). The final determination as to the amount of fee earned is a unilateral determination made by the FDO.

CNS may request a face-to-face meeting with the FDO to highlight its strategic performance at the end of the performance evaluation period. This meeting should occur within the first two weeks after the end of the period.

PEMP CHANGE CONTROL

It is essential that a baseline of performance expectations be established at the beginning of the performance period to equitably measure performance, and that changes to that baseline are carefully managed. Any change to the PEMP requires concurrence by the appropriate program office and the NNSA Senior Procurement Executive prior to the Field Office Manager and Contracting Officer signatures. While recognizing the unilateral rights of DOE/NNSA as expressed in the Contract terms and conditions, bilateral changes are the preferred method of change whenever possible.

FEE ALIGNMENT AND "AT-RISK" AWARD FEE ALLOCATION

This table is provided for information only and does not change the terms and conditions of the contract. "At-Risk" Award Fee (AF) is applied to Goals 1, 2, 5, and 6 and Fixed Fee (FF) is applied to Goal 3. Goal 3 displays total estimated fee attributable to DOE work. The sum of dollars available for Goals 1, 2, 5, & 6 equals total AF for both DOE and NNSA work. The dollars available for Goal 4 fee is the total FF for both DOE and NNSA work. All goals, including those with FF, will receive an adjectival assessment as a part of the Corporate Performance Evaluation Process (CPEP).

Fixed Fee (FF), Award Fee (AF), SPP Fixed Fee (SPP FF)

Goal	Fee Amount	Fee Type
Goal-1: Mission Execution: Nuclear Weapons	\$13,976,550	Award Fee (At-Risk)
Goal-2: Mission Execution: Global Nuclear Security	\$5,989,950	Award Fee (At-Risk)
Goal-3: DOE and Strategic Partnership Projects (SPP)	DOE - \$0 SPP - \$1.27 M	DOE - (AF) SPP - (FF)
Goal-4: Mission Execution: Science, Technology, and Engineering (ST&E)	\$0	None
Goal-5: Mission Enablement	\$11,979,900	Award Fee (At-Risk)
Goal-6: Mission Leadership	\$7,986,600	Award Fee (At-Risk)

The above is applied to the Contract using established Fixed Fee (FF) and (At-Risk) Award Fee (AF) amounts. The Goal 3 amounts are based on estimated values for FY19 and the actual fee amount will be based on the actual work performed in accordance with Section B-2(a)(4) of the Contract. The charts also do not include Fee associated with Capital Asset Projects such as UPF. The Contract includes a Cost Savings Incentive Fee (CSIF) that is administered separately and is not shown in the table. The approximate total CSIF available in FY19 is \$27M. The Contract has no FF component.

UNEARNED FEE

DOE/NNSA reserves the right to withdraw and redistribute DOE/NNSA unearned fees.

AWARD TERM INCENTIVE

This Contract includes several options: three options (Option Terms 1-3) extend the term of this Contract and an option to include SRTO within the scope of this Contract.

(a) Option Exercise for Additional Term

Gateway Decision: The Gateway Decision is a unilateral decision of the FDO based on the Contractor's performance rating under this Contract in accordance with the Performance Evaluation Plan. The Contractor's delivery of cost savings reflected in the cost savings profile in Section J, Appendix D, and Merger Transformation Plan will be taken into consideration in the Gateway Decision. The standard of performance for each Gateway Decision is such that the score in

the annual PER is "very good" or above (or achieve 80% or better) under the Performance Evaluation Plan for the final year of the performance years evaluated for Exercise of Option Term 1 and each performance year evaluated for exercise of Option Terms 2 and 3. The total projected cost savings goal within the cost savings profile in Section J, Appendix D, Merger Transformation Plan for the combined performance years evaluated is 80% for each Gateway Decision Point, as reflected in the table below. The FDO has the discretion to evaluate the Contractor's achievements in cost-savings in conjunction with Contractor performance in determining the Gateway Decision. If the FDO's decision is to award additional term, the Contract will be modified unilaterally by the Contracting Officer to extend the term of the Contract, after considering NNSA requirements, in accordance with the Contract's Section I Clause entitled "FAR 52.217-9, Option to Extend the Term of the Contract".

Option Term 1: Commencing in Government Fiscal Year (GFY) 2018 of the Contract, the Contract's period of performance may be extended for two additional years (Oct 1, 2019 through Sept 30, 2021) based on the standard of performance (score) and cost savings noted above.

Option Term 2: Commencing in Government Fiscal Year 2020 of the, the Contract's period of performance may be extended for two additional years (Oct 1, 2021 through Sept 30, 2023) based on the standard of performance (score) and cost savings noted above.

Option Term 3: Commencing in Government Fiscal Year 2022 of the Contract, the Contract's period of performance may be extended for one additional year (Oct 1, 2023 through June 30, 2024) based on the standard of performance (score) and cost savings noted above.

The table below reflects Option Terms 1, 2, & 3.

	Gateway Decision Point	Performance Years Evaluated	Option Years Available
Option Term 1	2nd Quarter of GFY 2018	1 Oct 2014 - 30 Sep 2017	6-7
Option Term 2	2nd Quarter of GFY 2020	1 Oct 2017 - 30 Sep 2019	8-9
Option Term 3	2nd Quarter of GFY 2022	1 Oct 2019 - 30 Sep 2021	10

NOTE: Evaluation of Performance is aligned with the CPEP and the GFY. There is no change in contract period of performance dates as a result of this alignment.

NNSA will evaluate contract performance years 1-3 (July 1, 2014-Sep 30, 2017) to award Option Term 1 - contract years 6-7 (Oct 1, 2019-Sept 30, 2021)

NNSA will evaluate contract performance for years 4-5 (Oct 1, 2017-Sep 30, 2019) to award Option Term 2 - contract years 8-9 (Oct 1, 2021-Sept 30, 2023)

NNSA will evaluate contract performance years 6-7 (Oct 1, 2019-Sep 30, 2021) to award Option Term 3 - contract year 10 (Oct 1, 2023-June 30, 2024)

(b) Option Exercise to add SRT0

This option allows for adding the SRT0 scope of work to the Contract. If the NNSA determines it is in the best interest of the Government to exercise this option, the Contract will be modified unilaterally by the Contracting Officer to add the SRT0 effort. Immediately upon option exercise, the Contractor will be required to provide a Transition Plan including the same elements as noted in Section F, F-7(a) and (b). The Contractor shall also update applicable Contract requirements, as directed by the Contracting Officer, including, but not limited to, the Performance Guarantee(s) and Subcontracting Plan, at the time of option exercise. NNSA may exercise the SRT0 option at the end of the first year; however the determination will be based on NNSA mission requirements and other factors.

INNOVATIVE SOLUTIONS

CNS will recommend innovative, technology/science-based, systems-engineering solutions to the most challenging problems that face the nation and the globe. CNS will also provide evidence to support programmatic needs and operational goals tempered by risk. DOE/NNSA will take into consideration all major functions including safety and security contributing to mission success. In addition, DOE/NNSA expects CNS to recommend and implement innovative business and management improvement solutions that enhance efficiencies.

Goal-1: Mission Execution: Nuclear Weapons

Successfully execute Nuclear Stockpile mission work for Defense Programs work in a safe and secure manner in accordance with DOE/NNSA priorities, Work Authorizations, and Execution/Implementation Plans.

Objectives:

- Objective-1.1: Accomplish work as negotiated with program sponsors and partners integrating quality requirements into an effective quality assurance program at their sites and through their suppliers that results in the design, production, and delivery of safe, secure, and reliable weapon products meeting performance, transportation, and cost effective operations.
- Objective-1.2: Execute stockpile system maintenance, production, limited-life component exchanges, weapon containers, surveillance, and dismantlement programs and maintain knowledge of the state of the stockpile through successful execution of the stockpile surveillance program and a robust scientific and engineering understanding for the delivery of the annual stockpile assessment.
- Objective-1.3: Apply innovative strategies and technologies to sustain strategic materials and improve science and engineering capabilities, facilities and essential skills to support existing and future nuclear security enterprise requirements.
- Objective-1.4: Execute Phase 6.X, product realization processes, and activities in support of nuclear weapon life extension programs, modifications, and alterations in accordance with NNSA requirements, Nuclear Weapons Council guidance, and NNSA project control processes to 1) integrate schedules; 2) lower risks; 3) control costs; and, 4) control change.

Goal-2: Mission Execution: Global Nuclear Security

Successfully execute authorized global nuclear security mission work in a safe and secure manner to include the Defense Nuclear Nonproliferation, Nuclear Counterterrorism, and Counter Proliferation and Incident Response missions in accordance with DOE/NNSA priorities, Work Authorizations, and Execution/Implementation Plans.

Objectives:

- Objective-2.1 Support efforts to secure, account for, and interdict the illicit movement of nuclear weapons, weapons-useable nuclear materials and radiological materials.
- Objective-2.2 Support U.S. national and nuclear security objectives in reducing global nuclear security threats through the innovation of unilateral and multi-lateral technical capabilities to detect, identify, and characterize 1) foreign nuclear weapons programs, 2) illicit diversion of special nuclear materials, and 3) global nuclear detonations.
- Objective-2.3 Support efforts to achieve permanent threat reduction by managing and minimizing excess weapons-useable nuclear materials and providing nuclear materials for peaceful uses.
- Objective-2.4 Support efforts to prevent proliferation, ensure peaceful nuclear uses, and enable verifiable nuclear reductions in order to strengthen the nonproliferation and arms control regimes.
- Objective-2.5 Sustain and improve nuclear counterterrorism and counterproliferation science, technology, and expertise; execute unique emergency response missions, implement policy in support of incident response and nuclear forensics missions, and assist international partners/ organizations.

Key Outcomes:

- KO-2.1 Produce the approved amount of low enriched uranium castings for the U.S. High Performance Research Reactor (USHPRR) program.
- KO-2.2 Facilitate the timely removal of excess, unirradiated HEU from foreign civilian nuclear facilities, including removals from Japan and Canada.
- KO-2.3 Complete the Emerging Threats mock deployment scheduled for FY2019.
- KO-2.4 Support the U.S. Highly Enriched Uranium (HEU) Disposition Program with planning, technical analyses, regulatory compliance, and coordination, and successfully complete the Repurposed Enriched Uranium (REU) campaign.

Goal-3: DOE and Strategic Partnership Projects Mission Objectives

Successfully execute high-impact work for DOE and Strategic Partnership Project Mission Objectives safely and securely. Demonstrate the value of the work in addressing the strategic national security needs of the U.S. Government.

Objectives:

- Objective-3.1 Pursue and perform high-impact work for DOE that strategically integrates with the DOE/NNSA mission, and leverages, sustains and strengthens unique science and engineering capabilities, facilities and essential skills.

- Objective-3.2 Pursue and perform high-impact Strategic Partnership Projects that strategically integrate with the DOE/NNSA mission, and leverages, sustains and strengthens unique science and engineering capabilities, facilities and essential skills in support of national security mission requirements.

Goal-4: Mission Execution: Science, Technology, and Engineering (ST&E)

Successfully advance national security missions and advance the frontiers of ST&E. Effectively manage Site Directed Research and Development (SDRD) and Technology Transfer, etc. in a safe and secure manner in accordance with DOE/NNSA priorities, Work Authorizations, and Execution/Implementation Plans.

Objectives:

- Objective-4.1 Execute a research strategy that is clear and aligns discretionary investments (e.g., SDRD with NNSA strategy and supports DOE/NNSA priorities.)
- Objective-4.2 Ensure that research is relevant, enables the national security missions, and benefits DOE/NNSA and the nation.
- Objective-4.3 Ensure that research is transformative, innovative, leading edge, high quality, and advances the frontiers of science and engineering.
- Objective-4.4 Maintain a healthy and vibrant research environment that enhances technical workforce competencies and research capabilities.
- Objective-4.5 Research and develop high-impact technologies through effective partnerships and technology transfer mechanisms that support the NNSA strategy, DOE/NNSA priorities and impact the public good; ensure that reporting and publishing (via DOE's Public Access Plan) requirements for broad availability of federally funded scientific research are implemented.

Goal 5: Mission Enablement

Effectively and efficiently manage the safe and secure operations of the Pantex and Y-12 while maintaining an NNSA enterprise-wide focus; demonstrating accountability for mission performance and management controls; successfully executing cyber and physical security requirements, and assure mission commitments are met with high-quality products and services while partnering to improve the site infrastructure. Performance will be measured by the contractor's assurance system, NNSA metrics, cost control, business and financial operations, project baselines, implementation plans, assessment and audit results, etc., with a focus on mission enablement.

Objectives:

- Objective-5.1 Deliver effective, efficient, and responsive environment, safety, health and quality (ESH&Q) management and processes.
- Objective-5.2 Accomplish capital projects in accordance with scope, cost, and schedule baselines.
- Objective-5.3 Deliver effective, efficient, and responsive safeguards and security. Deliver effective site emergency management programs in support of the DOE/NNSA Emergency Management Enterprise.
- Objective-5.4 Manage NNSA infrastructure to maintain, operate and modernize DOE/NNSA facilities, infrastructure, and equipment in an effective, energy efficient manner that minimizes operational, security, and safety risks. Improve site conditions via: 1) disposition of unneeded infrastructure and excess hazardous materials, 2) increasing the viable use of facilities and equipment, and 3) delivering cost efficient improvements. Demonstrate progress to advance the Department of Energy's crosscut initiative to halt the growth of deferred maintenance and support arresting the declining state of infrastructure while working collaboratively with NNSA to implement management improvements (e.g., G2, MDI, BUILDER, and AMPs). Support NNSA's corporate sustainability and energy conservation goals including use of ESPCs and UESCs.
- Objective-5.5 Deliver efficient, effective, and responsible business operations, systems and financial management, including financial transparency; budget formulation and execution; and, internal controls.
- Objective-5.6 Deliver efficient and effective management of legal risk and incorporation of best legal practices.
- Objective-5.7 Deliver effective, efficient, and responsive information technology systems and cyber security.

Key Outcomes:

- KO-5.1 Address weaknesses related to the consistency and complexity of Pantex safety basis documents through implementation of the corrective action plans for Quality of Safety Basis Submittals; Legacy Weaknesses in Pantex Safety Basis; and Technical Safety Requirement Implementation.

Goal-6: Mission Leadership

Successfully demonstrate leadership in supporting the direction of the overall DOE/NNSA mission, cultivating a Performance Excellence Culture that encompasses all aspects of operations and continues to emphasize safety and security, improving the responsiveness of CNS leadership team to issues and opportunities for continuous improvement internally and across the Enterprise, and parent company involvement/commitment to the overall success of Pantex and Y12 and the Enterprise.

Objectives:

- Objective-6.1 Define and implement a realistic strategic vision for the site, in alignment with the NNSA Strategic Vision, which demonstrates enterprise leadership and effective collaborations across the NNSA enterprise to ensure DOE/NNSA success.
- Objective-6.2 Demonstrate performance results through the institutional utilization of a Contractor Assurance System and promoting a culture of critical self-assessment, transparency, and accountability through the entire organization, while also leveraging parent company resources and expertise.
- Objective-6.3 Work selflessly within the DOE/NNSA complex to develop, integrate, and implement enterprise solutions that maximize program outputs at best value to the government; identify innovative business and management solutions that greatly improve enterprise-wide efficiencies.
- Objective-6.4 Exhibit professional excellence in performing roles/responsibilities while pursuing opportunities for continuous learning.

FAR 16.401 (e) (3) AWARD FEE ADJECTIVAL RATINGS AND SUPPLEMENTAL DEFINITIONS

Excellent	91%-100%	<p>Contractor has exceeded almost all of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.</p> <p><i>This performance level is evidenced by at least one significant accomplishment, or a combination of accomplishments that significantly outweigh very minor issues, if any. No significant issues in performance exist.</i></p>
Very Good	76% - 90%	<p>Contractor has exceeded many of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.</p> <p><i>This performance level is evidenced by accomplishments that greatly outweigh issues. No significant issues in performance exist.</i></p>
Good	51% - 75%	<p>Contractor has exceeded some of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.</p> <p><i>This performance level is evidenced by accomplishments that slightly outweigh issues. No significant issues in performance exist.</i></p>
Satisfactory	No greater than 50%	<p>Contractor has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.</p>

		<i>This performance level is evidenced by issues that slightly outweigh accomplishments.</i>
Unsatisfactory	0%	<p>Contractor has failed to meet overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.</p> <p><i>This performance level is evidenced by issues that significantly outweigh accomplishments, if any.</i></p>

Definitions:

An **Accomplishment** is an achievement or success in the performance of contract requirements that exceeds standards or expectations. Examples might be performing full contract requirements under budget while meeting or beating schedule baselines or performing additional scope within the initial cost targets with no negative effect on requirements or other programs, indicating continued performance improvement.

An **Issue** is a point in question or a matter that raises concerns regarding successful performance of contract requirements within scope, cost (budget), and schedule baselines or concern of negative effect on requirements or other programs, indicating a decline in performance that needs attention and improvement.