



FY2020 Performance Evaluation Summary

Contractor: Honeywell Federal Manufacturing and Technologies, LLC (FM&T)

Contract: DE-NA0002839

Evaluation Period: October 1, 2019 to September 30, 2020

Basis of Evaluation: Fiscal Year (FY) 2020 Performance Evaluation and Measurement Plan (PEMP)

The FY 2020 PEMP for this contract is available at:

https://www.energy.gov/sites/prod/files/2020/11/f80/FY20%20KCFO%20PEMP_Redacted.pdf

The Contract is available at: <https://www.energy.gov/nnsa/kansas-city-national-security-campus-contract>

Award Fee Scorecard

Goal	Rating		At Risk Available	Final
	Adjectival	Percent		
Goal-1: Mission Execution: Nuclear Weapons	Very Good	85%	\$12,804,000	\$10,883,400
Goal-2: Mission Execution: Global Nuclear Security	Excellent	95%	\$3,201,000	\$3,040,950
Goal-3: DOE & Strategic Partnership Projects Mission Objectives	Excellent	95%	\$0	\$0
Goal-4: Science, Technology & Engineering (ST&E)	Excellent	99%	\$0	\$0
Goal-5: Mission Enablement	Excellent	91%	\$9,603,000	\$8,738,730
Goal-6: Mission Leadership	Very Good	83%	\$6,402,000	\$5,313,660
Total Award Fee	Very Good	87.4%	\$32,010,000	\$27,976,740

In addition, the fixed fee and total fee summaries are provided below:

	Available	Final
Fixed Fee	\$0	\$0
SPP (Fixed Fee)	\$20,000,000	\$20,000,000
Total Fixed Fee	\$20,000,000	\$20,000,000
Total Fee (Award Fee and Fixed Fee)	\$52,010,000	\$47,976,740

FM&T continued to strongly support and deliver on the majority of NNSA mission requirements; however, a number of performance challenges were present throughout the reporting period. Issues in Goal 1 included continued production challenges on multiple components including high rates of nonconformance, unstable tester and gauge availability, and supplier reliability. Additional concerns with regard to ineffective collaboration in response to a DOE OIG Investigation were noted in Goal 6. Significant performance accomplishment in Goals 2, 3, 4 and 5 were noteworthy this reporting period.

Overall, FM&T earned a Very Good rating for FY2020, exceeding many of the objectives and key outcomes under the PEMP goals, meeting overall cost, schedule, and technical performance requirements with accomplishments that greatly outweigh issues.

Accomplishments:Goal 1

- Completed 48 B61-12 LEP First Production Units (FPUs). Additionally, 2 of 7 Respin FPUs were completed ahead of schedule.
- FM&T improved W88 ALT 370 producibility ratings, and teamed well with the design agencies to manage technical issues and implemented numerous improvements.
- FM&T implemented effective production strategies under COVID-19 restrictions, minimizing production impacts, and supporting weapon programs with the necessary engineering resources and management oversight.
- Jointly with the Design Agency, completed 16 Conceptual Design Reviews (CDR), 28 Conceptual Design Gates, two Component Requirements Reviews, and two Baseline Design Reviews (BDR) on time in support of the W80-4 LEP.
- FM&T coordinated closely with the Design Agency to authorize an alternate readily available material to support B61 product requirements, resulting in approximately \$700K in cost savings.
- Shipped 91,336 out of 96,132 B61-12 LEP production components and 58,101 out of 58,501 W88 ALT 370 production components.

Goal 2

- Delivered 500 production and 200 training kits in support of the Office of Material Disposition Dilute and Dispose program.
- Provided 475 technical and intelligence-based assessments in support of DOE/NNSA Weapons of Mass Destruction interdiction programs.
- Effectively managed the 100% watch bill requirement for the National Render Safe mission and successfully demonstrated continuity of operations at the onset of and through COVID-19.
- Successfully provided critical planning for the Nuclear Emergency Support Team (NEST) incident response exercises, supported field operations for stabilization cities, and sustained demonstrated technology development to enhance mission readiness.
- Delivered eight Next Generation Neutron Multiplicity Counter (MC-15) ahead of schedule and under budget.

Goal 3

- Delivered on commitments, resulting in \$499M in mission work.
- Conducted multiple vendor assessments using an optimized process that led to a 50% reduction in review cycle time.
- Supported the Air Force Mk21 program rebaseline efforts, conducted final design reviews and initiated the process prove-in builds for system components, and participated in the flight test.
- Engineered a solution to benefit communication capabilities for hearing impaired personnel working inside secure facilities by modifying a commercially available product to meet the data security requirements.

Goal 4

- FM&T continued to expand capabilities through focused high-impact research and development (R&D) and technical innovations.
- Collaborated with the Design Agency to develop a joint five-year “Simulation for Production Strategy”.
- Led a pilot project, Model-based Authorized Product Realization-4 Design Sites (MAPR-4Ds), to demonstrate five NSE sites could execute a high-tempo Model-Based Enterprise (MBE) process to design, document, simulate, and fabricate an additively manufactured platform.
- 119 new invention disclosures, 43 patent applications and 28 patents awarded this year.
- Optimized processing parameters, overcame manufacturing challenges and enabled deliveries to remain on schedule.
- Implemented a new process to minimize defects and reduce development time by one-third while obtaining successful results.
- Developed highly accurate machining processes unattainable by traditional manufacturing techniques.

Goal 5

- Effectively supported mission execution by increasing IT infrastructure capacity to support the increased telecommuting workload due to COVID-19.
- Significantly contributed to development of an NNSA enterprise-wide approach to reduce financial fraud risk, along with positive year-long performance in other NA-MB measures.
- Hired over 700 people to support the growing mission during the pandemic.
- Exceeded its corporate performance safety index where Total Case Rate (TCR) and Days Away, Restricted or Transferred (DART) rates are better than general industry.
- FM&T met sustainability expectations and energy intensity was reduced by ~5%, a favorable achievement.
- NA-MB commended FM&T CFO staff for supporting NNSA on development of the COVID-19 cost reporting process and other high priority COVID-19 financial deliverables.

Goal 6

- Successfully completed the RAMP re-compete and awarded a \$500M contract.
- Achieved Supply Chain Management Center (SCMC) record performance of \$273M in annual cost savings and surpassed the \$1B mark in total savings since 2013.
- Collaborated with the NNSA Federal Program Office and Design Agency to respond to Independent Review Team (IRT) and congressional inquiries and to develop an integrated NNSA action plan.
- Validated \$10.5M in New Product Introduction (NPI) cost avoidance on the W80-4 program.
- Partnered with Design Agency to perform objective producibility assessments, implement producibility improvements across multiple products, and delivered a jointly authored W80-4 Lessons Learned and Best Practices report.
- Proactively communicated stockpile management and secure transportation execution challenges and implemented solutions to maintain high priority stockpile and secure transportation commitments.

Issues:Goal 1

- FM&T continued to experience B61-12 LEP and W88 ALT 370 production challenges on multiple components including high rates of nonconformance, unstable tester and gauge availability, and supplier reliability.
- FM&T stopped some work on a stockpile program without notifying the Federal Program Office. Although the action was executed to prevent end of year cost overruns, FM&T has initiated a corrective action to address this concern.
- Cost estimating challenges occurred within the Management, Technology and Production (MTP), impacting NNSA's ability to adequately prioritize requirements and funding.
- Three of five quality assurance metrics below FY20 goals.

Goal 5

- There were issues with facility project planning and prioritization.
- Functional disconnects and lack of foundational knowledge of contractual requirements in security.

Goal 6

- FM&T ineffectively collaborated with another site during a DOE OIG investigation.
- Continued leadership focus is needed on vendor and internal quality management to maintain the positive non-conformance burndown trajectory and to prevent additional defects.