

Table of Changes for
Fermi Research Alliance, LLC

Contract No. DE-
AC02-07CH11359 Modification
No. 383

The purpose of this modification is to update the following:

CONTRACT SECTION J, ATTACHMENT J.8 - APPENDIX H

SMALL BUSINESS SUBCONTRACTING PLAN

Appendix H is replaced in its entirety. Small Business Subcontracting Plan incorporated in Modification No. 347 is hereby replaced with the FY 2025 (October 1, 2024 – December 31, 2024) Small Business Subcontracting Plan.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF 1 of 2
2. AMENDMENT/MODIFICATION NO. 383	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) N/A	
6. ISSUED BY CODE U.S. Department of Energy Office of Science/Fermi Site Office P.O. Box 2000, Wilson Hall – MS 118 Batavia, IL 60510		7. ADMINISTERED BY (If other than Item 6) Code See Block 6.		
8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) Fermi Research Alliance, LLC Pine Street and Kirk Road; MS 213 Batavia, IL 60510-5011		(<input checked="" type="checkbox"/>)	9.A. AMENDMENT OF SOLICITATION NO.	
DUNS: 62-639-9831			9.B. DATED (SEE ITEM 11)	
CODE N/A	FACILITY CODE N/A		10.A. MODIFICATION OF Contract/Order NO. DE-AC02-07CH11359	
			10.B. DATED (SEE ITEM 13) November 1, 2006	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

Not Applicable


13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.)
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103(a), Agreements of the parties modifying the terms of the contract.
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is required to sign this document and return 1 copy to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section heading, including solicitation/contract subject matter where feasible.)

SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print) Lia Meringa, President Fermi Research Alliance LLC		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Robert M. Scott, Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED Digitally signed by Lia Meringa Date: 2024.12.30 17:19:27 -06'00'	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED

14. Description of Amendment/Modification:

The purpose of this modification is to update the following:

1. ATTACHMENT J.8 - APPENDIX H – SMALL BUSINESS SUBCONTRACTING PLAN FY25 (October 1, 2024 – December 31, 2024), (attached hereto) is substituted for the APPENDIX H – SMALL BUSINESS SUBCONTRACTING PLAN FY24 previously incorporated into this contract by Modification No. 347.

All other terms and conditions remain unchanged.

END OF MODIFICATION

**INDIVIDUAL SUBCONTRACTING PLAN
FOR SMALL BUSINESS CONCERNS**

Fermi Forward Discovery Group, LLC
Pine St. and Kirk Rd. / Wilson St. and Kirk Rd.
Batavia, IL 60510

Approved By:

Robert Scott

Digitally signed by Robert
Scott
Date: 2025.01.01 10:05:43
-06'00'

Agency: U.S. Department of Energy
Printed Name: Robert Scott
Title: Contracting Officer
Phone: 630-840-4850
Date: SBA Provided Approval on December 4, 2024
INDIVIDUAL PLAN COVERING
January 1, 2025 – September 30, 2025

It is the policy of FermiForward Discovery Group (FermiForward) that small, small disadvantaged, HUBZone small, woman- owned small, veteran-owned small and service-disabled veteran-owned small business concerns have the maximum practicable opportunity to participate in subcontracts let in the performance of the prime contract received by FermiForward consistent with the efficient performance of this contract.

The policy of FermiForward is to comply fully with regulations stated in FAR 52.219-8, 52.219.9 and Public Law 95-507. This subcontracting plan becomes a part of the overall Prime Contract, as it pertains to procurement.

**SECTION I-STATEMENT OF GOALS
FAR 52.219-9(d)(1)/(2)**

FermiForward has established the following goals for awards to small business concerns, and historically black colleges and universities and minority institutions, when applicable (see Table 1). The procurement volume is estimated and may vary depending on the project efforts in any given year. The Total Contract Price and Total to be Subcontracted are based on the FRA previously submitted FY2025 Individual Subcontracting Plan for Small Business Concerns, (October – September) prorated for the new nine-month period. The percent allocation to Small Business and each category is from the FermiForward proposal. The small business goal as a percent will remain unchanged regardless of the actual dollars allotted for subcontracting. Upon finalization of the FY2025 funding, Small Business Award goals may be adjusted to reflect the new plan.

Table 1. Goals for Small Business Awards

Area	Amount (\$)	Percent
A. Total Contract Price	\$562,750,000	
B. Total to be Subcontracted	\$258,750,000	
1. To Large Business	\$131,962,500	51.0%
2. To Small Business:	\$126,787,500	49.0%
a. To Small Disadvantaged	\$12,937,500	5.0%
b. To Woman-Owned	\$12,937,500	5.0%
c. To HUBZone	\$7,762,500	3.0%
d. To Veteran-Owned	\$3,881,250	1.5%
e. To Service-Disabled Veteran-Owned	\$3,881,250	1.5%

These goals are based on the total estimated contract price and the total available dollars to be subcontracted.

Please note that the proposed Veteran-Owned and Service-Disabled Veteran-Owned goals have been segregated to follow DOE reporting format. These goals have also been adjusted lower than Department of Energy advised goal and cannot be reasonably increased due to the substantial amount of work required by Fermilab to successfully support the Long Baseline Neutrino Facility (LBNF) and Proton Improvement Plan II (PIP-II) projects (both multi-million-dollar efforts). These projects require substantial specialized services unable to be supplied by small business suppliers.

Subcontracts awarded to an ANC or Indian tribe shall be counted towards the subcontracting goals for small business and small disadvantage business (SDB) concerns.

SECTION II-SUBCONTRACTED ITEMS FAR 52.219-9(d)(3)

Principal types of subcontracted products and services are detailed in Table 2.

Table 2. Typical Subcontracted Products and Services

Subcontracted Supplies/Services	LG	SB	SDB	WOSB	HUB Zone	VOSB	SDVOSB
Construction Service	X	X	X	X	X		X
Janitorial Service		X	X				
Housekeeping		X		X			
Fabrications	X	X	X	X		X	X
Computers	X	X	X	X	X	X	X
Software	X	X	X	X		X	
Maintenance Supplies		X	X	X	X	X	X
Construction Supplies	X	X	X			X	X
Office Supplies	X	X	X	X		X	X
Chemicals	X	X				X	
Maintenance Services	X	X	X	X		X	

**SECTION III-METHOD OF DEVELOPING GOALS
FAR 52.219-9(d)(4)**

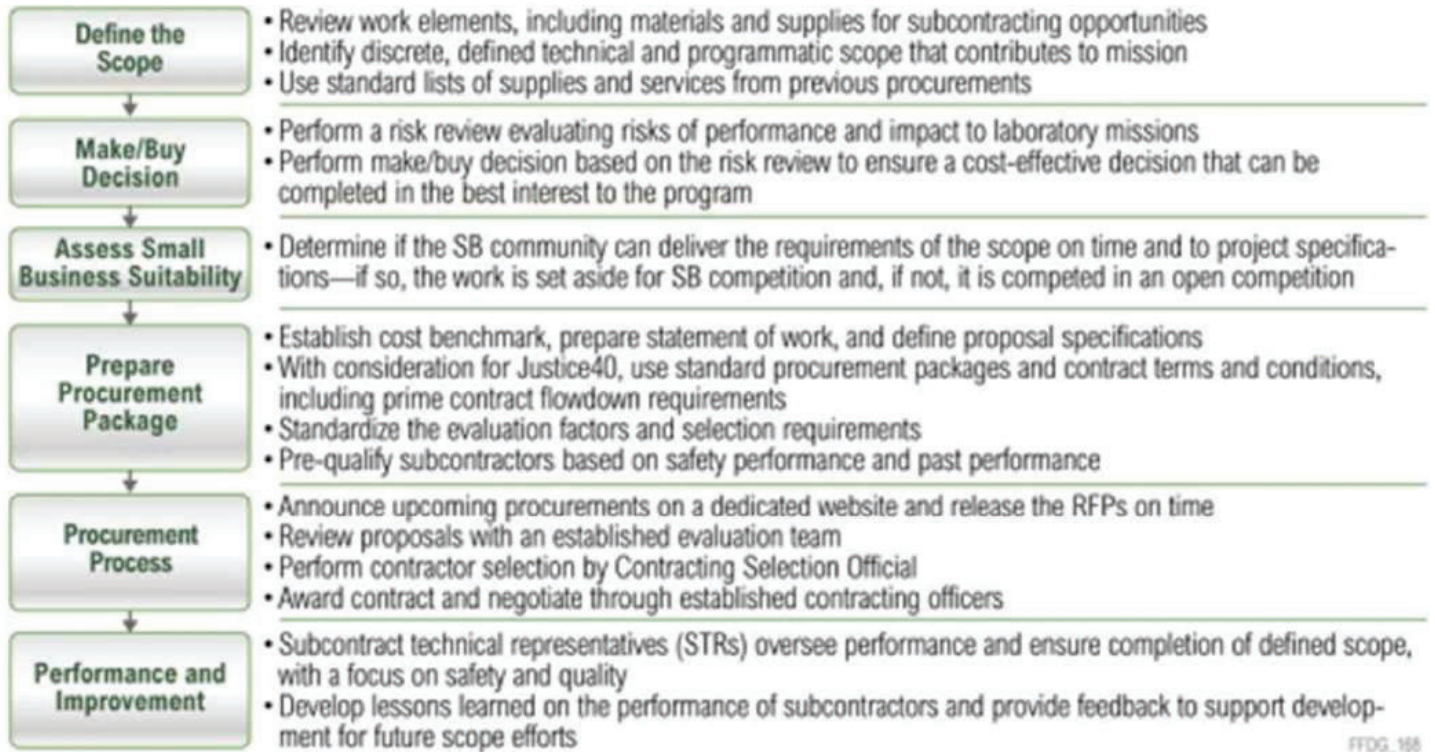
The goal was based on the FermiForward proposed value. During proposal development, a variety of discrete work scopes, including complex technical content that can be awarded to Small Businesses was reviewed. This increases Small Business subcontracting opportunities will enables Small Businesses to conduct work that is important while expanding the volume, variety, and sustainability of their portfolios.

FermiForward proposes implementation of the “Small Business First” approach to increase actionable subcontracted dollar percentages to Small Businesses. Woman-owned Small Business Longenecker & Associates was preselected as part of the FermiForward contract. This and analysis of work scope has allowed FermiForward to identify the type of work intended to be subcontract to Small Businesses. FermiForward is committed to increase the variety and complexity of the technical and professional services subcontracted.

By proactively engaging with small business subcontractor Longenecker & Associates and leveraging best practices from Amentum, FermiForward looks to promote the use of Small Businesses across the lab to perform meaningful work. FermiForward will introduce a “Small Business First” initiative that integrates Small Businesses to supplement activities and ultimately to reduce costs and risk. Our approach focuses on engaging disadvantaged Small Businesses whenever possible through strategic initiatives and FermiForward commits to engaging Small Businesses in meaningful contract performance. FermiForward recognizes that a robust Small Business subcontracting strategy fosters development of a more diverse, competitive, and capable procurement

environment.

FermiForward will implement the 6-step “Small Business First” as outlined in our proposal (Figure B-47) to ensure enhanced opportunities and for subcontractor selection.



FFDG_168

Figure B-47: FermiForward’s Small Business First Process. Our approach develops and enhances the Fermilab SB supply chain.

SECTION IV-IDENTIFICATION OF POTENTIAL SUPPLIERS FAR 52.219-9(d)(5)

Procurement Specialists identify qualified small business concerns in one or more of the following manners:

- ξ Reference to the company supplier directory source list and/or supplier portal.
- ξ Written representations submitted by the contractor.
- ξ Self-initiated action to expand the supplier base.
- ξ Enlisting assistance of the FermiForward-SBLO who will contact the regional office of the Small Business Administration.

In addition to reliance on internal source list directories and inter-organizational data for identification of potential suppliers, company procurement personnel use numerous outside directories. Sources include:

- ξ System for Award Management (SAM)
- ξ Government Contracting Resource Center Database (Govcon)
- ξ National Directory of Minority Businesses
- ξ DoD Regional Small Business Council Directories
- ξ State APEX Accelerator
- ξ Diversity Information Resources website
- ξ Various Trade Directories (i.e. Thomas Register)
- ξ Dynamic Small Business Search website

Further, FermiForward takes care to participate in assorted small business conferences, procurement conferences, and trade fairs.

SECTION V- DIRECT & INDIRECT COSTS FAR 52.219-9(d)(6)

Indirect costs: Are included Are not included

Indirect costs allocations are calculated based on the previous year's total annual sales to the Government.

SECTION VI-AMINISTRATION OF SUBCONTRACTING PROGRAM FAR 52.219-9(d)(7)

Name:	Chelsen Kincade-Jackson
Title/Position:	Supplier Manager, Quality Compliance
Address:	P.O. Box 500, Batavia, Illinois 60506
Telephone:	630.840.2873

The plan is administered in accordance with applicable government regulations and instructions received from the SBA, or the contracting agency. The Administrator also performs the following duties:

- ξ Maintain liaison with the Small Business Administration and/or cognizant Government Small Business Specialist on all matters pertaining to this program.
- ξ Develop and promote company-wide policy initiatives that demonstrate the company's support for awarding subcontracts to small business concerns.
- ξ Maintain records showing procedures that have been adopted to comply with the policies set forth in this procedure for review by the cognizant Government Small Business Representative.
- ξ Establish and maintain a Small Business Subcontracting Plan per FAR 52.219-9 on all proposals or contracts.
- ξ Provide analyses that indicate adequate and timely consideration of the potentialities of known small business concerns in all proposal and post-contract award "make or buy" decisions.
- ξ Supervise compliance with the "Utilization of Small Business Concerns" clause, FAR 52.219-8.
- ξ Update source lists of Small Business concerns using a referral system maintained by the Small Business Administration and various interracial councils and minority organizations.
- ξ Ensuring periodic rotation of potential subcontractors on source lists.
- ξ Provide effective training, particularly for Procurement Specialists to assist small business firms. Training to include effective use of potential source lists and other resources, solicitation, counseling, technical, financial, or other assistance as required facilitating increased participation in bidding and receiving awards. Training and guidance may also be accomplished through:
 - Presenting workshops, seminars, and training programs,
 - Establishing, maintaining, and using small business concerns source lists, guides, and other data for soliciting subcontracts,
 - Monthly reporting on small business concerns awards by individual Procurement team members to raise awareness and accountability,
 - Monitoring activities to evaluate compliance with the subcontracting plan.
- ξ Attend or arrange for the attendance of company counselors at Small Business Opportunity Workshops, Minority and Women Business Enterprise Seminars, Trade Fairs, Procurements Conferences, etc.
- ξ Monitor the company's performance and make necessary adjustments to ensure every attempt is made to achieve the subcontract plan goals.
- ξ Prepare, and submit timely, required subcontract reports.
- ξ Coordinate the company's activities during compliance reviews by Federal agencies.

SECTION VII-EFFORTS TO ENSURE EQUITABLE OPPORTUNITY

FAR 52.219-9(d)(8)

FermiForward will make every effort to assure fair and equitable opportunity for SB, SDB, WOSB, HUBZone, VOSB and SDVOSB concerns by:

- ξ Examining acquisitions to determine the extent of subcontracting opportunities.
- ξ Providing adequate and timely consideration of the potentialities of SB, SDB, WOSB, HUBZone, SDVOSB and VOSB concerns.
- ξ Evaluating current supply base and determine which areas are not currently represented and where opportunities to participate may be possible.
- ξ Providing technical assistance as necessary to small business concerns.
- ξ FermiForward will participate in small business matchmaking events, trade fairs and conferences, such as Veteran Owned Small Business Conference and Minority Business Opportunity conferences, DOE Small Business Conference, Business Matchmaking Conferences, Local visits to Trade Associations, and the Office of Science Procurement Managers Meeting to ensure exposure to potential new small business concerns.
- ξ Maintaining contact with the following small business development organizations:
 - ξ DOE Small Business (OSDBU)
 - ξ Illinois APEX Accelerator
 - ξ U.S. Small Business Administration
 - ξ Hispanic American Construction Industry Association
 - ξ Women’s Business Development Center

SECTION VIII-UTILIZATION OF SMALL BUSINESS CONCERNS

FAR 52.219-9(d)(9)

FermiForward will include the clause entitled “Utilization of Small Business Concerns” in all subcontracts that offer further subcontracting opportunities (FAR 52.219-8). Further, FermiForward will require all subcontractors (except small businesses) who receive subcontracts exceeding \$750,000 (\$1,500,000 for construction of any public facility) with further subcontracting possibilities to adopt a subcontracting plan that complies with the requirements of this clause.

SECTION IX-REPORTS AND STUDIES

52.219-9(d)(10)

FermiForward agrees to:

- ξ Cooperate in any studies or surveys as may be required.
- ξ Submit periodic reports so that the Government can determine the extent of compliance by the offeror with the subcontracting plan.
- ξ After November 30, 2017, include subcontracting data for each order when reporting subcontracting achievements for indefinite-delivery, indefinite-quantity contracts intended for use by multiple agencies.
- ξ Submit the Individual Subcontract Report (ISR) and/or the Summary Subcontract Report (SSR), in accordance with paragraph (l) of this clause using the Electronic Subcontracting Reporting System (eSRS) at <http://www.esrs.gov> .
- ξ Ensure that its subcontractors with subcontracting plans agree to submit the ISR and/or the SSR using eSRS and conform to the submission requirements
- ξ Provide the prime contract number, its unique entity identifier, and the e-mail address of the offeror's responsible for acknowledging or rejecting the reports, to all first-tier subcontractors with subcontracting plans so they can enter this information into the eSRS when submitting their reports; and require that each subcontractor with a subcontracting plan provide the prime contract number, its own unique entity identifier, and the e-mail address of the subcontractor's official responsible for acknowledging or rejecting the reports, to its subcontractors with subcontracting plans.
 - ξ Subcontractor subcontracting plans will be reviewed by comparing them with the provisions of Public Law 95-507, The Small Business Act, and assuring that all minimum requirements of an acceptable subcontracting plan have been satisfied. The acceptability of percentage goals shall be determined on a case- by-case basis depending on the supplies/services involved, the availability of potential small business concerns and prior experience. Once approved and implemented, plans will be monitored through the submission of periodic reports, and/or, as time and availability of funds permit, periodic visits to subcontractors' facilities to review applicable records and subcontracting program progress.
 - ξ As prescribed in FAR Subpart 19.301(d), the Federal U.S. Government may impose a penalty against any firm misrepresenting their business size as a small business, or any small business concern sub-category for the purpose of obtaining a subcontract that is to be included as part or all of a goal contained in the contractor's subcontracting plan.

SECTION X-RECORD TO BE MAINTAINED FAR 52.219-9(d)(11)

FermiForward maintains all records required under FAR 52.219-9 as follows:

- ξ Small Business source lists and Internet resources are available in the purchasing area for Procurement Specialist referral and use. They are as follows:
 - ξ System for Award Management (SAM) www.sam.gov
 - ξ VetBiz.gov
 - ξ Purchasing Guide Database
 - ξ Minority Business and Professional Directory
 - ξ Diversity Information Resources Information Research Guide
 - ξ Dynamic Small Business Search
 - ξ National Association of Women Business Owners
- ξ A log is maintained by the SBLO of all contacts made to secure additional small business sources.
- ξ On each subcontract solicitation resulting in an award of more than the simplified acquisition threshold, records indicating:
 - ξ Whether small, small disadvantaged, HUBZone small, woman-owned small, veteran-owned small, service-disabled veteran-owned business concerns were solicited and if not, why not
 - ξ If applicable, the reason award was not made to a small business concern.
- ξ Records are maintained by the SBLO to support and show participation in the following:
 - ξ Contacts with various trade groups representing small, small disadvantaged, HUBZone small, woman-owned small, veteran-owned small, and service-disabled veteran-owned business concerns including participation in the Veteran-owned Small Business Engagement, when applicable.
 - ξ Contacts with business development organizations.
 - ξ Attendance at trade fairs and conferences.
 - ξ FermiForward maintains records of outreach to contact veteran service organizations and other small businesses which are available for review upon request. There are over 45 organizations with which we seek business opportunities and maintain relationships with.
- ξ Training sessions with both large and small business concerns regarding small business subcontracting. Records of internal guidance and encouragement provided to Procurement Specialists through workshops, training, and seminars. Additionally, the SBLO conducts internal classes with the Procurement Specialists, ensuring their compliance with all regulations.
- ξ Compliance with the plan is maintained on a contract-by-contract basis showing awards to small and large businesses.
- ξ In accordance with FAR 52.219-9(d)(11)(vi), FermiForward maintains, in our business system, records of all award determinations, including applicable contract and subcontractor data, available for review upon request.

SECTION XI-ENGAGING SMALL BUSINESSES

FAR 52.219-9(d)(12)

FermiForward will make a good faith effort to acquire articles, equipment, supplies, services, or materials, or obtain the performance of construction work from the small business concerns that it used in preparing the bid or proposal, in the same or greater scope, amount, and quality used in preparing and submitting the bid or proposal. Responding to a request for a quote does not constitute use in preparing a bid or proposal.

FermiForward will use a small business concern in preparing the bid or proposal if–

- ξ FermiForward identifies the small business concern as a subcontractor in the bid or proposal or associated small business subcontracting plan, to furnish certain supplies or perform a portion of the subcontract; or
- ξ FermiForward will use the small business concern’s pricing or cost information or technical expertise in preparing the bid or proposal, where there is written evidence of an intent or understanding that the small business concern will be awarded a subcontract for the related work if FermiForward is awarded the contract.

SECTION XII-EFFORT TO NOTIFY

FAR 52.219-9(d)(13)

FermiForward will make every effort to assure that it will provide the FSO Contracting Officer with a written explanation if FermiForward fails to acquire articles, equipment, supplies, services, or materials, or obtain the performance of construction work as described in (d)(12) of this clause. This written explanation must be submitted to the FSO Contracting Officer within 30 days of contract completion.

SECTION XIII-NOT TO IMPEDE COMMUNICATION

FAR 52.219-9(d)(14)

FermiForward will make every effort to assure that it will not prohibit a subcontractor from discussing with the FSO Contracting Officer any material matter pertaining to payment to or utilization of a subcontractor.

SECTION XIV-TIMELY PAYMENTS

FAR 52.219-9(d)(15)

FermiForward will pay its small business subcontractors on time and in accordance with the terms and conditions of the underlying subcontract and will notify the FSO Contracting Officer when it makes either a reduced or an untimely payment to a small business subcontractor. (Reference FAR 52.245-5)

SECTION XV-MENTOR PROTÉGÉ PROGRAM

FermiForward will continue to administer our current official DOE approved “Mentor-Protégé” in accordance with DOE DEARS Part 919. The Small Business Program Manager is the individual designated to administer this program.

SECTION XVI-SMALL BUSINESS SET-ASIDES

Using data analytics of recurring or routine procurement actionable spend the SBLO will review and make recommendations to target certain commodity or service procurements. The SBLO recommendations will be provided to the Senior Procurement Officers for consideration. Procurement will engage the SBLO when changing procurement strategy in a manner which may impact incumbent small businesses. Acquisition for new, non-routine commodity or services, will be considered on a case-by-case basis. The SBLO will review these procurements activities with the procurement team to determine appropriate set asides.

SECTION XVII-DESCRIPTION OF GOOD FAITH EFFORT

FermiForward intends to use all reasonable and good faith efforts (as described in this Plan) to award the stated percentages of the final actual subcontract base amount with small business concerns.

REVISION RECORD

Revision Date	Revision Level	Author	Description
10/25/2024	0	Transition Team	Initial Release