

2. AMENDMENT/MODIFICATION NO. 0291	3. EFFECTIVE DATE 12/30/2021	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) N/A
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6. ISSUED BY SC Chicago Service Center Office of Science - Chicago U.S. Department of Energy 9800 South Cass Avenue Lemont IL 60439	CODE 892430	7. ADMINISTERED BY (If other than Item 6) Fermi Site Office U.S. Department of Energy Fermi Site Office P.O. Box 2000 Batavia IL 60510	CODE 06006
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) FERMI RESEARCH ALLIANCE, LLC Attn: JOHN MYER FERMI RESEARCH ALLIANCE, LLC PINE ST. AND KIRK RD, MS-213 BATAVIA IL 605105011	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC02-07CH11359
		10B. DATED (SEE ITEM 13) 11/01/2006
CODE 626399831	FACILITY CODE	

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 electronic communication 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 letter or electronic communication, provided each letter or electronic communication 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)
See Schedule

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

CHECK ONE	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.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Part I, Section F, F.2(c) and Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
DUNS Number: 626399831
The purpose of this modification is to extend the period of performance, update the total available fee and update the following: Section B; Section F; Section H; Section I.
Payment:
Payment - Direct Payment
from U.S. Dept of Treasury
Period of Performance: 01/01/2007 to 12/31/2023

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Robert M. Scott
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA Signature on File <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 12/30/2021

Table of Changes for
 Fermi Research Alliance, LLC
 Contract No. DE-AC02-07CH11359
 Modification No. TBD

The purpose of this modification is to extend the period of performance, and update the following:

1. Pursuant to clause F.2, AWARD TERM INCENTIVE (SPECIAL), the Award Term Determination Official has determined the Contractor has earned twenty-four (24) months of additional award term under the contract, which includes twelve (12) months each for FY 2019 and 2020. This extends the period of performance through December 31, 2023.
2. PART I, SECTION F, F.1 – PERIOD OF PERFORMANCE incorporated in Modification No. 232 is revised to read as follows:

F.1 – PERIOD OF PERFORMANCE

- (a) This contract shall be effective as specified in Block No. 28 – Award Date, of the original Standard Form 33, and shall continue up to and including December 31, 2023, unless sooner terminated according to its terms. The contract may be extended according to its terms. The contract may be extended in accordance with Clause F.2 – AWARD TERM INCENTIVE (SPECIAL).
- (b) The contract transition period is from award date through December 31, 2006.

PART I SECTION B
 SUPPLIES OR SERVICES AND
 PRICES/COSTS

Clause No.	Title	Change and Explanation
B.3	Performance and Other Incentives	Update to Maximum Available Fee

CONTRACT SECTION H
 SPECIAL CONTRACT REQUIREMENTS

Clause No.	Title	Change and Explanation
H.9	SERVICE CONTRACT ACT OF 1965 (41 U.S.C 6701)	Updated reference to Clause I.128 – DEAR 970.5244-1 – CONTRACTOR PURCHASING SYSTEM (AUG 2016) (DEVIATION: PF 2015-17) (SC ALTERNATE) (APR 2018)

CONTRACT SECTION I
 FAR/DEAR CLAUSE CHANGES

Clause No.	Title	Change and Explanation
Clause I.10G – FAR 52.204-25	PROHIBITION ON CONTRACTING FOR CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT (NOV 2021)	Added – Deemed applicable

Clause I.16B - FAR 52.215-15	PENSION ADJUSTMENTS AND ASSET REVERSIONS (OCT 2010)	Added – Deemed applicable
Clause I.23 - FAR 52.222-4	CONTRACT WORK HOURS AND SAFETY STANDARDS – OVERTIME COMPENSATION (MAR 2018)	This clause is already included in CONTRACT SECTION I “CONTRACT CLAUSES”. The date referenced (MAR 2018) was incorrect and revised to reference “MAY 2018” for clear transparency.
Clause I.24A - FAR 52.222-19	CHILD LABOR-COOPERATION WITH AUTHORITIES AND REMEDIES (JAN 2020)	Added – Deemed applicable
Clause I.36 – FAR 52.223-11	OZONE-DEPLETING SUBSTANCES AND HIGH GLOBAL WARMING POTENTIAL HYDROFLUOROCARBONS (JUN 2016)	Added – Deemed applicable
Clause I.38F – FAR 52.223-20	AEROSOLS (JUNE 2016)	Added – Deemed applicable
Clause I.38G – FAR 52.223-21	FOAMS (JUNE 2016)	Added – Deemed applicable
Clause I.40A – FAR 52.224-3	PRIVACY TRAINING (JAN 2017)	Added – Deemed applicable
Clause I.58A – FAR 52.246-26	REPORTING NONCONFORMING ITEMS (NOV 2021)	Added – Deemed applicable
Clause I.128 - DEAR 970.5244-1	CONTRACTOR PURCHASING SYSTEM (AUG 2016)(DEVIATION: PF 2011-98,PF 2013-64, PF 2015-17)	Updated to current version

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF 1 of 2
2. AMENDMENT/MODIFICATION NO. TBD	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 1111 19th Street, N.W. Suite 400 Washington, D.C. 20036		(✓)	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.

	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.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.)
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Part I, Section F, F.2(c) and Mutual Agreement of the Parties
	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) Nigel Lockyer, President Fermi Research Alliance LLC		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Robert M. Scott, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
BY _____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)	

14. Description of Amendment/Modification:

The purpose of this modification is to extend the period of performance, update the total available fee and update the following:

Pursuant to clause F.2, AWARD TERM INCENTIVE (SPECIAL), the Award Term Determination Official has determined the Contractor has earned twenty-four (24) months of additional award term under the contract, which includes twelve (12) months each for FY 2019 and 2020. This extends the period of performance through December 31, 2023.

1. PART I, SECTION B, B.3 – PERFORMANCE AND OTHER INCENTIVES, incorporated in Modification No. 232, is revised to read as follows:

B.3 - PERFORMANCE AND OTHER INCENTIVE FEES

(a) The transition activities shall be performed on a cost-reimbursement basis up to the amount specified in Clause H.42, Activities During Contract Transition, paragraph (d), and no fee shall be paid for these activities.

(b) In implementation of Clause I.93, Total Available Fee: Base Fee Amount and Performance Fee Amount, the Parties have agreed that the maximum available performance fees that may be earned by the Contractor in accordance with the provisions of Appendix B, Performance Evaluation and Measurement Plan, for the performance of the work under this contract commencing January 1, 2007 are as follows:

January 1, 2007 through September 30, 2007 - \$2.662 million
October 1, 2007 through September 30, 2008 - \$3.550 million
October 1, 2008 through September 30, 2009 - \$3.882 million
October 1, 2009 through September 30, 2010 - \$3.882 million
October 1, 2010 through September 30, 2011 - \$3.882 million
October 1, 2011 through December 31, 2011 - \$0.971 million

(c) If DOE determines that the Contractor has earned any Award Term after December 31, 2011, in accordance with the provisions of Clause F.2 - Award Term Incentive, the Parties have agreed that the maximum available performance fee that may be earned by the Contractor shall be:

January 1, 2012 through September 30, 2012 - \$2.912 million
October 1, 2012 through September 30, 2013 - \$3.882 million
October 1, 2013 through September 30, 2014 - \$3.882 million
October 1, 2014 through September 30, 2015 - \$3.882 million
October 1, 2015 through September 30, 2016 - \$3.882 million
October 1, 2016 through December 31, 2016 - \$0.971 million
January 1, 2017 through September 30, 2017 - \$4.576million
October 1, 2017 through September 30, 2018 - \$4.576million
October 1, 2018 through September 30, 2019 - \$4.576million

October 1, 2019 through September 30, 2020 - \$4.576 million
 October 1, 2020 through September 30, 2021 - \$4.576 million
 October 1, 2021 through December 31, 2021 - \$1.144 million
 January 1, 2022 through September 30, 2022 - \$3.701.475 million
 October 1, 2022 through September 30, 2023 - \$4.935.300 million
 October 1, 2023 through December 31, 2023 - \$1.233.825 million

- (d) The maximum available performance fee that may be earned by the Contractor for any additional extensions of the period of performance beyond said fiveyears shall be subject to negotiation between the Parties consistent with the Department of Energy Acquisition Regulation (DEAR) in effect at the time the fee is negotiated.
- (e) At the end of each fiscal year, there shall be no adjustment in the amount of the maximum available performance fee based on differences between any estimate of cost for performance of the work and the actual cost for performance of the work. Fee is subject to adjustment only –
 - (1) under the provisions of Clause I.127, “Changes”; or other contract provisions; or
 - (2) for a +/- 10 percent change in the estimated fee base of \$459,091,190 Million.
- (f) Any adjustment in the amount of the fee under the provisions of paragraph (e) for the fees specified in paragraphs (b) and (c) above, or negotiation of fee under paragraph (d) above, shall take into consideration the ratio (see equation below) between the Contractor’s fee specified in paragraphs (b) and (c) above of the original contract and the maximum fees specified in Section L.9(c) of the Request for Proposal No. DE-AC02-07CH11359. The revised fee will be calculated in accordance with the fee policy then in effect, utilizing the adjusted fee base, while maintaining the ratio described above.

$$\begin{array}{l}
 \text{Maximum Available Performance} \\
 \text{Fee for Applicable Year of} \\
 \text{paragraph (b) or (c)} \underline{\hspace{10em}} \hspace{1em} = \hspace{1em} \text{Ratio} \\
 \text{\$TBD (to be prorated for the} \\
 \text{first and last fee period)}
 \end{array}$$

2. PART I, SECTION F, F.1 – PERIOD OF PERFORMANCE incorporated in Modification No. 232 is revised to read as follows:

“F.1 – PERIOD OF PERFORMANCE

- (a) This contract shall be effective as specified in Block No. 28 – Award Date, of the original Standard Form 33, and shall continue up to and including December 31, 2023, unless

sooner terminated according to its terms. The contract may be extended according to its terms. The contract may be extended in accordance with Clause F.2 – AWARD TERM INCENTIVE (SPECIAL).

(b) The contract transition period is from award date through December 31, 2006.”

Attached to this modification is a conformed copy of Section F of the contract reflecting the change above.

3. PART I, SECTION H, SPECIAL CONTRACT REQUIREMENTS dated 11/16/2021, (attached hereto) is substituted for the previous PART I, SECTION H, SPECIAL CONTRACT REQUIREMENTS previously incorporated into this contract by Modification No. 273.

4. PART II, SECTION I, CONTRACT CLAUSES, dated 11/16/2021, (attached hereto) is substituted for the previous PART II, SECTION I, CONTRACT CLAUSES incorporated into this contract by Modification No.289.

All other terms and conditions remain unchanged.

END OF MODIFICATION