

2. AMENDMENT/MODIFICATION NO. 0189	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 17SC000169	5. PROJECT NO. (If applicable) N/A
6. ISSUED BY      CODE      06006		7. ADMINISTERED BY (If other than Item 6)      CODE	
Fermi Site Office U.S. Department of Energy Fermi Site Office P.O. Box 2000 Batavia IL 60510			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
FERMI RESEARCH ALLIANCE, LLC Attn: KAREN BORMANN FERMI RESEARCH ALLIANCE, LLC PINE ST. AND KIRK RD, MS-213 BATAVIA IL 605105011		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 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)      Net Increase:      \$37,012.73  
SEE APPROVED FUNDING PROGRAM NO. 3 DATED 11/3/2016

**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 date, 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 II, Section I, Clause I. 119 - DEAR 970.5232-4, OBLIGATION OF FUNDS (DEC 2000)
	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.)  
Tax ID Number: 57-1239010  
DUNS Number: 626399831  
As provided in paragraph (a) of Part II, Section I, Clause I.119 - DEAR 970.5232-4, OBLIGATION OF FUNDS (DEC 2000) of the subject contract as initially awarded, the amount obligated hereunder is increased by \$37,012.73 from a total of \$4,187,399,544.63 to a total of \$4,187,436,557.36.  
Delivery Location Code: 06006  
Fermi Site Office  
US Department of Energy  
Fermi Site Office  
P.O. Box 2000  
Continued ...

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) Whitney S. Begner		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Signature on File	16C. DATE SIGNED 11/04/2016
_____ (Signature of person authorized to sign)		_____ (Signature of Contracting Officer)	

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
DE-AC02-07CH11359/0189

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NAME OF OFFEROR OR CONTRACTOR  
FERMI RESEARCH ALLIANCE, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
00007	Batavia IL 60510  Mark For: Fermi Site Office US Department of Energy Fermi Site Office P.O. Box 2000 Batavia IL 60510  Payment: Payment - Direct Payment from U.S. Dept of Treasury  FOB: Destination Period of Performance: 01/01/2007 to 12/31/2016  Add Item 00007 as follows:  FOR OFFICIAL USE ONLY Requisition for M&O Contract  November Financial Modification(Reim) Obligated Amount: \$37,012.73  All security clearances (DOE Form 470.1) were previously approved - no form attached.				37,012.73

Financial Plan Number: 3  
 Allottee: 61 CH - Chicago Operations Office

U.S. DEPARTMENT OF ENERGY  
 DOE AFP Local Financial Plan Report  
 Period Name: NOV-17  
 PO Number: CH11359  
 Fund Parent: ALL FUNDS  
 Fiscal Year: 2017  
 Reporting Entity:  
 Allottee:  
 Run Prior AFP Report?: N  
 Report Run Type: FINAL  
 Prior Financial Plan Run Code: CH11359-2 (27-OCT-2016 09:33:00)  
 To Date:  
 Report Output Type: FCDS VERSION 2  
 Report Output: TEXT

Report Date: 03-NOV-16 10:38  
 Page: 1 of 3

STARS FORMAT - SUMMARY

Category	BUDGET AUTHORITY (BA)				
	OCTADJL-17	NEW BA			TOTAL AVAILABLE
	BEGINNING	PREVIOUS	CHANGE	REVISED	
UNCOSTED OBLIGATIONS					
OPERATING EXPENSES	0.00	65,984,000.00	0.00	65,984,000.00	65,984,000.00
CAPITAL EQUIPMENT	0.00	6,317,000.00	0.00	6,317,000.00	6,317,000.00
CONSTRUCTION	0.00	14,007,024.00	0.00	14,007,024.00	14,007,024.00
REIMBURSABLE WORK	0.00	0.00	37,012.73	37,012.73	37,012.73
GRAND TOTAL:	0.00	86,308,024.00	37,012.73	86,345,036.73	86,345,036.73

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 \* Certification of Funds Availability: \*  
 \* *Catherine Richardson* 11-3-16 \*  
 \* Certifying Official Date \*  
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STARS FORMAT - SUMMARY

FUND/APPR YEAR Parent Program		BUDGET AUTHORITY (BA)				
		OCTADJ1-17 BEGINNING	NEW BA			TOTAL AVAILABLE
			UNCOSTED OBLIGATIONS	PREVIOUS	CHANGE	
00500/2017	089-X-0222 - Science Primary Fund (was WA)					
C000984	Parent- CCL - FS1000000 - Safeguards and Security - Science	0.00	1,017,000.00	0.00	1,017,000.00	1,017,000.00
C001009	Parent- CCL - KB0000000 - Nuclear Physics	0.00	25,000.00	0.00	25,000.00	25,000.00
C001018	Parent- CCL - KJ0000000 - Advanced Scientific Computing Research	0.00	530,000.00	0.00	530,000.00	530,000.00
C002786	Parent - CCL - 39KA000000PRN11SC40000, Long Baseline Neutrino Experiment (PED)	0.00	4,209,283.00	0.00	4,209,283.00	4,209,283.00
C002787	Parent - CCL - 39KA000000PRN11SC41000, Muon to Electron Conversion Experiment (PED)	0.00	7,648,741.00	0.00	7,648,741.00	7,648,741.00
C002852	Parent - CCL - KA0000000, High Energy Physics	0.00	72,605,000.00	0.00	72,605,000.00	72,605,000.00
C002853	Parent - CCL - KC0000000, Basic Energy Sciences	0.00	273,000.00	0.00	273,000.00	273,000.00
00511/2017	089-X-0222 - Science Reimbursable Work with Non-Federal E					
C003005	Parent - CCL - 456100000, Allottee 61 CH-Reimbursable Work	0.00	0.00	37,012.73	37,012.73	37,012.73
GRAND TOTAL:		0.00	86,308,024.00	37,012.73	86,345,036.73	86,345,036.73

STARS FORMAT - DETAIL

CATEGORY FUND/APPR YEAR Program/OBJ CLASS/Local Use		BUDGET AUTHORITY (BA)				
		OCTADJ1-17 BEGINNING	NEW BA			TOTAL AVAILABLE
			UNCOSTED OBLIGATIONS	PREVIOUS	CHANGE	
OPERATING EXPENSES						
00500/2017	089-X-0222 - Science Primary Fund (was WA)					

Financial Plan Number: 3

Allottee: 61 CH - Chicago Operations Office

U.S. DEPARTMENT OF ENERGY  
DOE AFP Local Financial Plan Report

Period Name: NOV-17  
PO Number: CH11359

Fund Parent: ALL FUNDS  
Fiscal Year: 2017

Reporting Entity:  
Allottee:

Run Prior AFP Report?: N

Report Run Type: FINAL

Prior Financial Plan Run Code: CH11359-2 (27-OCT-2016 09:33:00)

To Date:

Report Output Type: FCDS VERSION 2

Report Output: TEXT

Report Date: 03-NOV-16 10:38

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STARS FORMAT - DETAIL

BUDGET AUTHORITY (BA)

CATEGORY FUND/APPR YEAR Program/OBJ CLASS/Local Use	OCTADJ1-17 BEGINNING	NEW BA			TOTAL AVAILABLE
		UNCONSTED OBLIGATIONS	PREVIOUS	CHANGE	
OPERATING EXPENSES					
00500/2017 089-X-0222 - Science Primary Fund (was WA)					
2923652/25400/0000000 FS1001000, Protective Forces	0.00	337,000.00	0.00	337,000.00	337,000.00
2924329/32003/0485395 KA2202021, Accelerator Operations	0.00	600,000.00	0.00	600,000.00	600,000.00
2923655/25400/0000000 FS1005000, Cyber Security	0.00	479,000.00	0.00	479,000.00	479,000.00
2923656/25400/0000000 FS1006000, Personnel Security	0.00	24,000.00	0.00	24,000.00	24,000.00
2923657/25400/0000000 FS1007000, Material Control and Accountability	0.00	14,000.00	0.00	14,000.00	14,000.00
2923658/25400/0000000 FS1009000, Program Management	0.00	45,000.00	0.00	45,000.00	45,000.00
2923734/25400/0000000 KB0201022, Heavy Ion, Other National Laboratory Research	0.00	25,000.00	0.00	25,000.00	25,000.00
2924137/25400/0000000 KJ0404000, Next Generation Networking for Science	0.00	530,000.00	0.00	530,000.00	530,000.00
2924305/25400/0000000 KC0406020, Accelerator and Detector Research	0.00	273,000.00	0.00	273,000.00	273,000.00
2924313/25400/0000000 KA2101020, National Laboratories	0.00	3,539,000.00	0.00	3,539,000.00	3,539,000.00
2924318/25400/0000000 KA2102022, CMS Detector and Computing Support	0.00	5,235,000.00	0.00	5,235,000.00	5,235,000.00
2924320/25400/0485491 KA2103011, MIE	0.00	471,000.00	0.00	471,000.00	471,000.00
2924320/25400/0485492 KA2103011, MIE	0.00	105,000.00	0.00	105,000.00	105,000.00
2924325/25400/0000000 KA2201020, National Laboratories	0.00	3,560,000.00	0.00	3,560,000.00	3,560,000.00
2924328/25400/0000000 KA2202010, Experimental Operations and Support	0.00	250,000.00	0.00	250,000.00	250,000.00
2924329/25400/0000000 KA2202021, Accelerator Operations	0.00	16,942,000.00	0.00	16,942,000.00	16,942,000.00
2924330/25400/0000000 KA2202022, Detector and Computing	0.00	8,089,000.00	0.00	8,089,000.00	8,089,000.00
2924335/25400/0000000 KA2202040, Homestake	0.00	4,000,000.00	0.00	4,000,000.00	4,000,000.00
2924342/25400/0485490 KA2203012, Line Item OPC	0.00	3,187,000.00	0.00	3,187,000.00	3,187,000.00
2924344/25400/0000000 KA2203020, Future Project R&D	0.00	628,000.00	0.00	628,000.00	628,000.00
2924346/25400/0000000 KA2301020, National Laboratories	0.00	1,633,000.00	0.00	1,633,000.00	1,633,000.00
2924348/25400/0000000 KA2302010, Experimental Operations and Support	0.00	335,000.00	0.00	335,000.00	335,000.00
2924355/25400/0000000 KA2401012, National Laboratories	0.00	1,780,000.00	0.00	1,780,000.00	1,780,000.00
2924358/25400/0000000 KA2401022, Scientific Computing	0.00	577,000.00	0.00	577,000.00	577,000.00
2924363/25400/0000000 KA2403013, Other Projects	0.00	182,000.00	0.00	182,000.00	182,000.00
2924366/25400/0000000 KA2501012, National Laboratories	0.00	2,613,000.00	0.00	2,613,000.00	2,613,000.00
2924368/25400/0000000 KA2501021, LHC Accelerator Research	0.00	5,191,000.00	0.00	5,191,000.00	5,191,000.00
2924369/25400/0000000 KA2501022, Muon Accelerators	0.00	157,000.00	0.00	157,000.00	157,000.00
2924371/25400/0000000 KA2501032, National Laboratories	0.00	859,000.00	0.00	859,000.00	859,000.00
2924372/25400/0000000 KA2502010, Accelerator Infrastructure and Test Facilities	0.00	3,906,000.00	0.00	3,906,000.00	3,906,000.00
2924373/25400/0000000 KA2502020, Detector Infrastructure and Test Facilities	0.00	900,000.00	0.00	900,000.00	900,000.00
2924320/31001/0485484 KA2103011, MIE	0.00	2,477,000.00	0.00	2,477,000.00	2,477,000.00
2924341/31001/0485480 KA2203011, MIE	0.00	3,400,000.00	0.00	3,400,000.00	3,400,000.00
2924350/31001/0485489 KA2303011, MIE	0.00	100,000.00	0.00	100,000.00	100,000.00



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STARS FORMAT - DETAIL

CATEGORY  
 FUND/APPR YEAR  
 Program/OBJ CLASS/Local Use

		BUDGET AUTHORITY (BA)				
		OCTADJ1-17 BEGINNING	NEW BA			
		UNCOSTED OBLIGATIONS	PREVIOUS	CHANGE	REVISED	TOTAL AVAILABLE
-----						
CONSTRUCTION (FRN - 32001)						
00500/2017	089-X-0222 - Science Primary Fund (was WA)					
2924263/32001/0000000	39KA00000PRN11SC40000, Long Baseline Neutrino Experiment (PED)	0.00	4,209,283.00	0.00	4,209,283.00	4,209,283.00
2924264/32001/0000000	39KA00000PRN11SC41000, Muon to Electron Conversion Experiment (PED)	0.00	7,648,741.00	0.00	7,648,741.00	7,648,741.00
=====						
GRAND TOTAL:		0.00	11,858,024.00	0.00	11,858,024.00	11,858,024.00

STARS FORMAT - DETAIL

CATEGORY  
 FUND/APPR YEAR  
 OBJ CLASS  
 Program  
 WFO

		BUDGET AUTHORITY (BA)				
		OCTADJ1-17 BEGINNING	NEW BA			
		UNCOSTED OBLIGATIONS	PREVIOUS	CHANGE	REVISED	TOTAL AVAILABLE
-----						
REIMBURSABLE WORK						
00511/2017	089-X-0222 - Science Reimbursable Work with Non-Federal Entities (was 2W)					
25400	Operation and Maintenance of Facilities					
6600147	456160032, Industry - Foreign					
4825088	CHAGRCRADA20150290	0.00	0.00	26,169.88	26,169.88	26,169.88

6600151	456160036, Universities And Institutes					
4825093	CHAGRSPP20150288	0.00	0.00	10,842.85	10,842.85	10,842.85

GRAND TOTAL:		=====	=====	=====	=====	=====
		0.00	0.00	37,012.73	37,012.73	37,012.73