



Department of Energy

Fermi Site Office
Post Office Box 2000
Batavia, Illinois 60510

JUN 10 2009

Mr. Benjamin G. Stauss
Chief Operating Officer/Treasurer
Fermi Research Alliance, LLC
1111 19th Street, NW, Suite 400
Washington, DC 20036

Dear Mr. Stauss:

SUBJECT: PROPOSED MODIFICATION NO. A041 TO U.S. DEPARTMENT OF ENERGY (DOE) CONTRACT NO. DE-AC02-07CH11359 FOR OBLIGATION OF AMERICAN RECOVERY AND REINVESTMENT ACT FUNDING

Enclosed for your review and signature are five copies of the subject contract modification which (1) increases the amount of operating funds obligated hereunder by \$1,521,000.00 from \$1,103,769,233.75 to a total of \$1,105,290,233.75, and (2) identifies the specific Contractor Recovery Act Statement of Work, Milestones, Outcomes and Measures, and Deliverables funded by this modification. Also enclosed is FY 2009 Approved Funding Program No. 12.

Recovery Act funding obligated under the proposed Contract Modification No. A041 is subject to the attached American Recovery and Reinvestment Act Approved Funding Program Guidance (approval date of May 29, 2009) issued by the DOE Office of High Energy Physics, dated June 5, 2009.

This obligation does not affect expenditure limitations which are applicable and which the Laboratory may have been advised of separately from contract modifications.

Please have four copies of the subject modification signed on behalf of the Fermi Research Alliance and return them to this office for DOE signature. Upon DOE signature, a fully executed copy will be sent to you.

Sincerely,

A handwritten signature in black ink, appearing to read "Rory S. Simpson".

Rory S. Simpson
Contracting Officer

Enclosures:
As Stated

cc: P. Oddone, Fermilab, w/encls.
Y.-K. Kim, Fermilab, w/encls.
B. Chrisman, Fermilab, w/encls.
C. Conger, Fermilab, w/encls.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE OF PAGES
1 | 2

2. AMENDMENT/MODIFICATION NO. A041	3. EFFECTIVE DATE 06/10/2009	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 Fermilab P.O. Box 500, MS 105 Batavia, IL 60510-0500 DUNS: 62-639-9831	<input checked="" type="checkbox"/>	9.A. AMENDMENT OF SOLICITATION NO.
		9.B. DATED (SEE ITEM 11)
		10.A. MODIFICATION OF Contract/Order NO. DE-AC02-07CH11359
		10.B. DATED (SEE ITEM 13) November 1, 2006
CODE N/A	FACILITY CODE N/A	

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)

SEE ATTACHED FY 2009 APPROVED FUNDING PROGRAM (AFP) NO. 12 TAS Symbol/Fund Code: 8909100227 / 06199

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

<input checked="" 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.
	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).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Part II, Section I, Clause I 119; DEAR 970.5232-4
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is required to sign this document.

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

See pages attached to this modification.

15A. NAME AND TITLE OF SIGNER (Type or print) gm leonard PR & Scty / GC		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROBY S. SIMPSON CONTRACTING OFFICER, FSO U.S. DEPARTMENT OF ENERGY OFFICE OF SCIENCE	
15B. CONTRACTOR/OFFEROR gm leonard (Signature of person authorized to sign)	15C. DATE SIGNED 11 Dec 09	16B. UNITED STATES OF AMERICA BY [Signature] (Signature of Contracting Officer)	16C. DATE SIGNED 06/10/09

Block 14 "DESCRIPTION OF AMENDMENT/MODIFICATION," continued.

1. This modification is issued to obligate American Recovery and Reinvestment Act (Recovery Act) of 2009 funds for the first year's work on "A Laboratory-University-Industry Collaboration for the Development of Magnets with Fields >22 Tesla Using HTS Conductor" at the Fermi National Accelerator Laboratory.
2. Accordingly, pursuant to Section I Contract Clause – DEAR 970.5232-4 entitled "Obligation of Funds," funds in the amount of \$1,521,000.00 are hereby obligated in support of Recovery Act activities. The amount of funds obligated under this contract since its inception is increased from \$1,103,769,233.75 to a total of \$1,105,290,233.75.
3. The specific Contractor Recovery Act Statement of Work, Milestones, Outcomes and Measures, and Deliverables funded by this modification are identified in the following referenced U.S. Department of Energy Work Authorizations:

Work Authorization Number	Work Authorization Title
KA/CH14/9/ARRA-3 (\$1,521,000.00)	High Energy Physics – Advanced Technology R&D Augmentation (2005170)

4. The work described in this modification shall be performed using funds obligated under this contract, which have been appropriated under the Recovery Act of 2009, (Pub. L. 111-5), and as such, is subject to the special statutory conditions and the additional contractual terms and conditions that are listed in paragraphs F. through I. of Modification No. A039 to this contract. The funds obligated hereunder shall only be used to accomplish the work as set forth in paragraph C. above and may not be used for any other purpose without the prior written consent of the Contracting Officer.
5. The Contractor shall complete all Recovery Act Work funded by this modification in accordance with Recovery Act requirements, including the required completion dates specified therein, and by the completion date identified in the approved work authorization for the activity.
6. All other terms and conditions remain unchanged.

END OF MODIFICATION

CHICAGO OPERATIONS OFFICE
 FY 2009 APPROVED FUNDING PROGRAM NO. 12
 CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359
 SUMMARY

BUDGET AUTHORITY (BA)

	BEGINNING	UNCOMPLETED	PREVIOUS	NEW BA	CHANGED	REVISED	TOTAL
	OBLIGATIONS	OBLIGATIONS	OBLIGATIONS	OBLIGATIONS	OBLIGATIONS	OBLIGATIONS	AVAILABLE
OPERATING EXPENSES	76,684,968.86	329,049,992.39	330,570,992.39	1,521,000.00	330,570,992.39	407,255,961.25	
CAPITAL EQUIPMENT	15,389,339.23	45,422,185.16	45,422,185.16	0.00	45,422,185.16	60,811,524.39	
CONSTRUCTION	7,343,690.29	29,817,183.00	29,817,183.00	0.00	29,817,183.00	37,160,873.29	
REIMBURSABLE WORK	1,548,742.93	605,069.81	605,069.81	0.00	605,069.81	2,153,812.74	
GRAND TOTAL	100,966,741.31	404,894,430.36	404,894,430.36	1,521,000.00	406,415,430.36	507,382,171.67	

 * Certification of Funds Availability: *
 * *Catherine Richardson* *
 * Certifying Official *
 * Date *

SETASIDES: Exclude -- Reserve/Hold
 Current Stage: 2009-08-91
 Proposed Stage: 2009-09-91
 \$: Whole

	Current	Approved Obligations	Proposed	Current	Approved Costs	Proposed
	Change	Change	Change	Change	Change	Change

Chicago Office

FERMI NATL ACCEL LAB

Operating Expenses

KA11 Proton Accelerator-Based Physics

KA1102023 Other

GPP		22,500,000	0	22,500,000	0	22,500,000
Total KA1102023		22,500,000	0	22,500,000	0	22,500,000

KA1102033 Current Facility Projects

EQU 71RF

		9,436,000	0	9,436,000	0	9,436,000
Total KA1102033		9,436,000	0	9,436,000	0	9,436,000
Total KA11		31,936,000	0	31,936,000	0	31,936,000

KA15 Advanced Technology R&D

KA1502011 General Accelerator Development

OPE

		1,521,000	0	1,521,000	0	1,521,000
Total KA1502011		1,521,000	0	1,521,000	0	1,521,000
Total KA15		1,521,000	0	1,521,000	0	1,521,000

Total Operating Expenses

Total FERMI NATL ACCEL LAB

		31,936,000	1,521,000	33,457,000	1,521,000	33,457,000
Total FERMI NATL ACCEL LAB		31,936,000	1,521,000	33,457,000	1,521,000	33,457,000



Department of Energy

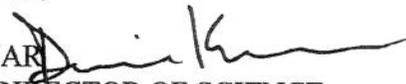
Washington, DC 20585

JUN 05 2009

MEMORANDUM FOR:

DISTRIBUTION
(See Attached List)

FROM:

DENNIS KOVAR 
ASSOCIATE DIRECTOR OF SCIENCE
FOR HIGH ENERGY PHYSICS

SUBJECT:

American Recovery and Reinvestment Act Approved
Funding Program Guidance (Approval Date of May 29, 2009)

This guidance is for funding made available by the American Recovery and Reinvestment Act of 2009. This act includes specific reporting requirements upon receipt of this funding. Further guidance will be provided as to the means recipients will use when reporting data for these requirements, but be aware that, at a minimum, the following data will be required.

1. The total amount of recovery funds received from that agency.
2. The amount of recovery funds received that were obligated and expended to projects or activities. This reporting will also include unobligated Allotment balances to facilitate reconciliations.
3. A detailed list of all projects or activities for which recovery funds were obligated and expended, including:
 - (A) The name of the project or activity;
 - (B) A description of the project or activity;
 - (C) An evaluation and milestones of the progress toward completion of the project or activity and a list of metrics that will be used to measure the performance of work; and
 - (D) An estimate of the number of jobs created and the number of jobs retained by the project or activity.
4. Detailed information on any subcontracts or subgrants awarded by the recipient to include the data elements required to comply with the Federal Funding Accountability and Transparency Act of 2006 (P.L. 109-282), allowing aggregate reporting on awards below \$25,000 or to individuals, as prescribed by the Director of OMB.

Reporting requirements only apply to the prime non-Federal recipients of Federal funding, including reporting of the sub-awards (e.g., sub-grants and subcontracts) made by these prime recipients as indicated in point 4 above. Each subsequent sub-recipient is not required to report.

Reporting requirements can be found under the H Clause, entitled "H.999 Special provisions relating to work funded under American Recovery and Reinvestment Act of 2009 (Feb 2009)."

All modifications will specify schedule, milestone, and deliverable requirements. The modifications must also specify performance outcomes and measures that will be used to assess performance of the Recovery Act funds.

Recovery Act funds may be used in conjunction with other funding as necessary to complete projects, but tracking and reporting must be separate to meet the reporting requirements of the Recovery Act and this guidance. Obligations of Recovery Act funding must occur no later than September 30, 2010; expenditures must occur no later than September 30, 2015.

All funds provided under the Recovery Act must be obligated and expended consistent with the provisions of the Act, the text of which can be found at http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=111_cong_bills&docid=f:h1enr.pdf. Additional details related to the Recovery Act can be found at www.recovery.gov. OMB's Updated Implementing Guidance for the American Recovery and Reinvestment Act of 2009 can be found at http://www.whitehouse.gov/omb/assets/memoranda_fy2009/m09-15.pdf.

The Office of High Energy Physics is committed to conducting work in a manner that ensures protection of the workers, the public, and the environment. Protecting the workers, the public and the environment is a direct and individual responsibility of all HEP managers and HEP-supported researchers and their staff. Funds provided by HEP will be applied as necessary to ensure that all HEP activities are conducted safely and in an environmentally conscientious manner. Only work conducted in this way will be supported.

The funds provided in this AFP should be used in accordance with the attached program guidance. There should not be any variance in performance from this guidance prior to changes being coordinated and approved by the appropriate headquarters program manager and documented by a program guidance letter from headquarters. This is essential to maintain accountability for the utilization of these funds.

In addition, attached are a high-level summary document and a Major Milestone table for each Recovery Act project. Weekly reporting against the milestones is required to be submitted by the Site Office POC to the SC Program Office POC, with a copy to the SC Budget Office POC, by 8:00 PM (ET) on Thursday of each week according to the memorandum (Reporting American Recovery and Reinvestment Act activities by Management and Operating [M&O] Contractors) from Patricia Dehmer and George Malosh dated April 21, 2009.

Also attached, in accordance with DOE Order 412.1A, are the Work Authorizations for the Management and Operating (M&O) contractors under your cognizance.

If you have questions regarding the attached, please call Denise Allen on 301-903-5599 or the appropriate program manager at headquarters.

Attachments:

As stated

ADDRESSEE LIST – RECOVERY ACT FY 2009 HEP PROGRAMMATIC GUIDANCE

Michael D. Holland, Manager
Brookhaven Site Office

cc: S. Aronson, BNL (samaronson@bnl.gov)
R. Melucci, BNL (melucci@bnl.gov)
J. Hauser, BNL (hauser@bnl.gov)
F. Crescenzo, SC-BHSO (crescenzo@bnl.gov)
R. Purucker, CH (Roxanne.purucker@ch.doe.gov)
M. Sunderland, CH (mary.sunderland@ch.doe.gov)
V. Kaatz, CH (Valerie.kaatz@ch.doe.gov)

Joanna Livengood, Manager
Fermi Site Office

cc: P. Oddone, Fermilab (pjoddone@fnal.gov)
C. Trimby, Fermilab (ctrimby@fnal.gov)
R. Simpson, Fermi Site Office (rory.simpson@ch.doe.gov)
R. Purucker, CH (Roxanne.purucker@ch.doe.gov)
M. Sunderland, CH (mary.sunderland@ch.doe.gov)
V. Kaatz, CH (Valerie.kaatz@ch.doe.gov)

Aundra Richards, Manager
Berkeley Site Office

cc: P. Alivisatos, LBNL (APAlivisatos@lbl.gov)
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D. Low, Berkeley Site Office (DLLow@lbl.gov)
R. Purucker, CH (Roxanne.purucker@ch.doe.gov)
M. Sunderland, CH (mary.sunderland@ch.doe.gov)
V. Kaatz, CH (Valerie.kaatz@ch.doe.gov)

Donald Winchell, Manager
Los Alamos Site Office

cc: majoclanal@doeal.gov

**U.S. DEPARTMENT OF ENERGY
CONTRACT WORK AUTHORIZATION
AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009: 89-09/10-0227**

1a. Project Title: High Energy Physics – Advanced Technology R&D augmentation (2005170)		1b. Work Proposal Number (if applicable): Various	
2. Headquarters Program Point of Contact. Name: Dennis Kovar Organization Code: SC-25 Telephone No.: (301) 903-3624			
3. Headquarters Budget Point of Contact. Name: Denise Allen Organization Code: SC-41 Telephone No.: (301) 903-5599			
4. Responsible Program: High Energy Physics		5. Responsible Secretarial Officer: Under Secretary for Science	
6. Responsible Field Organization: Fermi Site Office			
7a. Site and Facility Management Contractor: Fermi Research Alliance, LLC – Fermi National Accelerator Laboratory		7b. Contractor Point of Contact. Name: Telephone No.:	
8. Work Authorization Number: KA/CH14/9/ARRA-3		9. Revision Number: 00	
10. Funds Authorized (\$ in thousands). B&R Code: KA Previous: \$0 Change: +\$1,521 Current: \$1,521*			
11. Performance Period Covered by Funds. From: 02/17/09 To: 09/30/10		12. Work Start Date: 5/2009	13. Expected Completion Date: 12/2011

14. Statement of Work: see attached

This Work Authorization is issued for the sole purpose of authorizing work in support of the American Recovery and Reinvestment Act of 2009, (Pub. L. 111-5) (Recovery Act). All contract terms and conditions apply to the work identified herein, in particular contract provision H.999 applies. The work described in this work authorization shall be performed using funds obligated under the contract, appropriated under the Recovery Act and as such is subject to special statutory conditions.

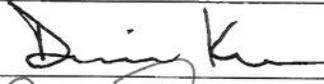
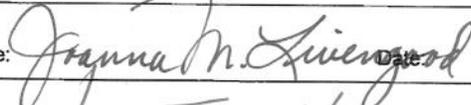
The Office of Science (SC) is committed to conducting all work authorized herein, in a manner that ensures protection of the workers, the public, and the environment. Protecting the workers, the public, and the environment is a direct and individual responsibility of all SC managers and SC-supported contractors. Funds provided by SC will be applied as necessary to ensure that all supported activities are conducted safely and in an environmentally conscientious manner. Only work conducted in this manner will be supported.

Specific Recovery Act Statement of Work:

\$1,521,000 is provided under KA-15-02-01-1 for the first year's work on "*A Laboratory-University-Industry Collaboration for the Development of Magnets with Fields >22 Tesla Using HTS Conductor*" program under the direction of Dr. Alvin Tollestrup as described in the Field Work Proposal FNAL 08-22 submitted 05/15/2009. This work was originally proposed by Fermilab in a multi-laboratory-university Field Work Proposal (FWP) number FNAL 08-22 dated 09/17/2008. This proposal was favorably reviewed by four peers using standard OHEP procedures. Because of the requirements of the Recovery Act, individual FWPs were required from all of the DOE laboratories. The above captioned FWP was submitted to meet this requirement. This work is subject to the detailed reporting requirements under the Recovery Act. This award amount has been adjusted to the request of the technical committee of the above collaboration.

Attachment A, Contractor Recovery Act Performance Requirements, identifies the Contractor Recovery Act Schedule Milestones, Performance Measures and Outcomes and Deliverables for this Work Authorization. The contractor's performance against the identified requirements in Attachment A will be evaluated under the Office of Science laboratory appraisal process.

Continuation – Advanced Technology R&D augmentation (2005170) - Fermilab
KA/CH14/9/ARRA-3, Rev 00

15. Reporting Requirements (Status reports, scientific and technical information or similar): The recipient of funding in this Work Authorization is responsible for meeting all reporting requirements established by the Department of Energy for activities funded by the American Recovery and Reinvestment Act of 2009.		
16. Work Authorization Program Official. Name (typed): Dennis Kovar	Signature: 	Date: 6/5/05
17. DOE Field Organization Official. Name (typed):	Signature: 	Date: 6/8/09
18. Contractor's Authorized Representative. Name (typed):	Signature: 	Date: 6/8/09
19. DOE Contracting Officer (or delegated representative). Name (typed):	Signature: 	Date: 06/08/09

* Includes Operating \$1,521,000.

RORY S. SIMPSON
CONTRACTING OFFICER, FSO
U.S. DEPARTMENT OF ENERGY
OFFICE OF SCIENCE

ATTACHMENT A – CONTRACTOR RECOVERY ACT PERFORMANCE REQUIREMENTS
Advanced Technology R&D augmentation (2005170) - Fermilab
KA/CH14/9/ARRA-3, Rev 00

Section A: Contractor Recovery Act Schedule or Milestone Requirements

Initiate Rutherford cable fabrication and reaction studies	September 30, 2009
Initiate Bi-2212 wire and coil development studies at NHMFL, at FSU	September 30, 2009
Place contracts with industry to manufacture Bi-2212 superconductor wire	September 30, 2009

Section B: Contractor Recovery Act Performance Outcomes and Measures

First series of measurements completed at NIST	March 31, 2010
Mechanical studies completed at NIST	June 30, 2011
First series of R&D results from NHMFL, FSU	June 30, 2010
Wire and coil studies completed at NHMFL, FSU	June 30, 2011
First lot of wire delivered from industry	June 30, 2010
Final lot of wire delivered from industry	December 31, 2010
Complete all cable fabrication	March 31, 2011

Section C: Contractor Recovery Act Deliverables

Detailed report on wire, cable and coil studies	September 30, 2011
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Major Milestones

For Grants, Contracts, and Hiring Actions associated with implementing Recovery Act, provide dates for the major milestones. For NEPA reviews, provide the type of review expected and the associated major milestones with dates. Include dollar amounts where appropriate. Add duplicate lines as needed. Provide comments as needed to highlight and clarify milestones.

	Grants	DATE	Amount (\$M)	Comments
1	Post synopsis on grants.gov/recovery.gov			
2	Post full announcement on grants.gov			
3	Close Date for proposals	1/15/2009		
4	Complete proposal reviews	5/24/2009		tentative date for SRF proposal review
5	Select Grant(s) for Award(s)	6/1/2009		tentative date for SRF selection
6	Award Grant(s)	6/7/2009	\$3.00	tentative date for SRF awards. This award amount for new grants may change with more or less coming to new grants and existing grants.
7	Initial Funds Distribution			
8	Intermediate Funds Distribution(s) (i.e. expected draw schedule)	6/30/2009	\$3.00	
9	Final Funds Distribution			

	Use of Existing Grants	DATE	Amount (\$M)	Comments
1	Request a Revised Budget/Terms and Conditions			
2	Negotiate Revised Budget/Terms and Conditions			
3	Award Revised Budget/Terms and Conditions			
4	Initial Recovery Act Funds Distribution			
5	Intermediate Recovery Act Funds Distribution(s)	6/30/2009	\$3.00	Award funds for existing SRF after review in May. The amount of award for existing and new grants may change after review.
6	Final Recovery Act Funds Distribution			

	Use of Existing Contracts	DATE	Amount (\$M)	Comments
1	Request a Revised Proposal/Contract			
2	Negotiate Revised Proposal/Contract			
3	Award Modification after Signature			
4	Award Modification after Signature			
5	Initial Recovery Act Funds Distribution	6/1/2009	\$6.00	Award funds for magnet development to existing Fermilab FWP
6	Intermediate Recovery Act Funds Distribution(s)	6/15/2009	\$8.00	Award funds for large area detector.
7	Final Recovery Act Funds Distribution			

	Contracts	DATE	Amount (\$M)	Comments
1	Post synopsis at FBO/Recovery.gov			
2	Post RFP on DOE website			
3	Close Date for RFP Submissions			
4	Complete RFP Evaluations (technical and cost/price)			
5	Select Source(s)			
6	Award instrument after Signature			
7	Initial Funds Distribution			
8	Intermediate Funds Distribution(s) (i.e. monthly disbursements)			
9	Final Funds Distribution			

	NEPA Anticipated level of NEPA review, i.e., CX, EA or EIS. (for CX, cite which one is applicable.)	DATE	Comments
1	Begin DOE NEPA Review		Anticipated CXs; Activities will be vetted per Office of Science Management System procedures.
2	Initial Determination on CX, EA, or EIS		Likely CX B 3.6 (Siting/construction/operation/decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects)
3	if CX, cite which one is applicable.		
4	if EA, complete EA (including state/tribal review)		
5	if EA demonstrates no significant impact, issue FONSI		
6	if EA identifies potentially significant impact, initiate EIS		
7	if EIS, publish Notice of Intent in Federal Register with minimum 30-day comment period		
8	if EIS, publish Draft EIS with minimum 45-day comment period		
9	if EIS, conduct public hearing(s) for Draft EIS		
10	if EIS, publish Final EIS		
11	Complete NEPA Review/Issue Record of Decision		

Major Milestones

For Grants, Contracts, and Hiring Actions associated with implementing Recovery Act, provide dates for the major milestones. For NEPA reviews, provide the type of review expected and the associated major milestones with dates. Include dollar amounts where appropriate. Add duplicate lines as needed. Provide comments as needed to highlight and clarify milestones.

	HR	DATE	Comments
1	Identify hiring requirement		No hiring anticipated.
2	Develop position description and crediting plan		
3	Announce position		
4	Close announcement		
5	Issue Selection Certificates		
6	Complete interviews		
7	Select new hire(s)		
8	Negotiate employee start date		
9	New employee(s) begins work		

Weekly/Monthly Milestones				
Provide weekly milestones through May 8th				
and Monthly milestones thereafter through Sept. 2011 (add lines as necessary)				
		DATE	Amount (\$M)	Comments
1		3/6/2009		
2		3/13/2009		
3		3/20/2009		
4	Magnet R&D to Fermilab	3/27/2009		Reviews are completed.
5		4/3/2009		
6		4/10/2009		
7		4/17/2009		
8	Large-area detector R&D to ANL	4/24/2009		Expected reviews to be complete.
9		5/1/2009		
10		5/8/2009		
	CFO Releases Recovery Act funds (5/13/09)	5/15/2009	20.000	distribution and guidance letters after programmatic decisions
11	Review of SRF proposals (May 22);	M-09		tentative date
12	Selection of SRF proposals (June 15); award SRF grants (June 30); award funds for magnet R&D and large area detector.	J-09		these are tentative dates
13	Prepare RFP for procurement of BSSCO2212 conductor	J-09		
14	Design model coils	A-09		
15	Begin development of 2212 cable technology	S-09		
16	Begin measurements of 2212 conductor mechanical properties	O-09		
17	Begin stability & quench behaviour studies of 2212	N-09		
18	Fabricate first coil	D-09		
19		J-10		
20		F-10		
21		M-10		
22		A-10		
23		M-10		
24		J-10		
25		J-10		
26		A-10		
27		S-10		
28		O-10		
29	Complete procurement of BSSCO2212 conductor	N-10		
30		D-10		
31		J-11		
32		F-11		
33		M-11		
34		A-11		
35		M-11		
36		J-11		
37	Issue final report on magnet development	J-11		
38		A-11		
39		S-11		