

Quarterly Recovery Act Reporting: DOE Office of Science

Recovery Project Name and Identification Number:	2005410 - Energy Sciences Fellowships and Early Career Awards (WDTs)
Reporting Period:	4th Quarter 2013
Laboratory M&O Contractor:	Los Alamos National Security, LLC
WAS Number:	KA/NS03/ARRA-2 Rev. 0
Laboratory POC:	Evgenya I. Simakov
SC Program POC:	Dennis Kovar
Site Office POC:	Eugene Colton
SC Budget Office POC:	Denise Allen
Total Funding Under this WAS (Whole Dollars):	\$2,500,000

JOBS	
REPORT QUARTERLY JOBS AT THE PRIME AND SUBCONTRACT LEVEL	
Prime Contract Jobs Created this quarter:	
Prime Contract Jobs Retained this quarter:	0.7
Total Prime Contract Jobs for this quarter:	0.7
Subcontract Jobs Created this quarter:	
Subcontract Jobs Retained this quarter:	0.2
Total Subcontract Jobs for this quarter:	0.2
Total Number of Jobs for this quarter:	0.9
Total Number of Subcontracts :	1

RECOVERY ACT MILESTONES			
Recovery Act Milestones (From SC Program Milestone Table)			Completed (Yes/No)
	Date	Progress Towards Next Milestones	
Initiate research for the Early Career Research Program	30-Jun-10	Milestone complete.	Yes
First quarterly Recovery Act progress report due	30-Sep-10	Milestone complete	Yes
Additional Notable Milestones			Completed (Yes/No)
	Date	Progress Towards Next Milestone	
Design a single-cell superconducting PBG cavity at 700 MHz with rf and HOM couplers	30-Nov-10	Milestone complete.	Yes
Design and procure a cryostat	31-Mar-11	Milestone complete.	Yes
Test the 2.7 GHz prototype cavity	31-Mar-11	Milestone complete.	Yes
Report the progress at PAC 2011 conference	1-Apr-11	Milestone complete.	Yes
Work with vendor to develop fabrication procedure for a 700 MHz PBG cavity	30-Apr-11	Milestone cancelled due to vendor issues.	No
Initiate the design of the TW structure for wakefields testing	30-Apr-11	Milestone complete.	Yes
Hire a graduate student for the project	1-Sep-11	Milestone complete.	Yes
Send a contract to MIT to support the graduate student	1-Sep-11	Milestone complete.	Yes
Procure the 2.1 GHz SRF PBG prototype cavity	1-Jan-12	Milestone complete.	Yes
Test the 2.1 GHz SRF PBG prototype cavity	1-Mar-12	Milestone complete.	Yes
Design the TW structure for wakefields testing	1-Apr-12	Milestone complete.	Yes
Tune and braze prototype TW cells	1-May-12	Milestone complete.	Yes
Report the results at IPAC 12 conference	1-Jun-12	Milestone complete.	Yes
Report the results at AAC 2012 workshop	18-Jun-12	Milestone complete.	Yes
Develop the conceptual the design of the 5-cell SRF PBG structure	1-Sep-12	Milestone complete.	Yes
Send a contract to MIT to support the graduate student for the second year	1-Sep-12	Milestone complete.	Yes
Design the hardware for the wakefield experiment	1-Apr-13	Milestone complete.	Yes
Procure TW cells for the wakefield experiment.	1-Apr-13	Milestone complete.	Yes
Procure the hardware for the wakefield experiment	1-Jun-13	Milestone delayed. According to the vendor the new delivery date is October, 2013.	No
Procure the copper prototype of the 5-cell SRF PBG structure for cold-testing.	1-Jun-13	Milestone delayed. We still work on the design of HOM couplers.	No
Test and tune TW cells for the wakefield experiment.	1-Sep-13	Milestone delayed due to the delays with procurement of the TW cells. Tuning is expected to complete by the end of December, 2013.	No
Put together the components for the wakefield experiment.	1-Jan-14	Milestone on schedule.	No

Quarterly reports are due by 4:00 pm (ET) on the 10th of the month following the end of each quarter. If one of these dates falls on a weekend or holiday, the reports are due by 4:00pm (ET) on the very next business day.

