

## 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:	2nd Quarter 2015
Laboratory M&O Contractor:	Los Alamos National Security, LLC
WAS Number:	KA/NS039/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:	1.3
<b>Total Prime Contract Jobs for this quarter:</b>	<b>1.3</b>
Subcontract Jobs Created this quarter:	
Subcontract Jobs Retained this quarter:	0.0
<b>Total Subcontract Jobs for this quarter:</b>	<b>0.0</b>
<b>Total Number of Jobs for this quarter:</b>	<b>1.3</b>
<b>Total Number of Subcontracts :</b>	<b>0</b>

RECOVERY ACT MILESTONES			
Recovery Act Milestones (From SC Program Milestone Table)	Date	Progress Towards Next Milestones	Completed (Yes/No)
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	Date	Progress Towards Next Milestone	Completed (Yes/No)
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 PGB 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 complete.	Yes
Test and tune TW cells for the wakefield experiment.	1-Sep-13	Milestone complete.	Yes
Put together the components for the wakefield experiment.	1-Jan-14	Milestone complete.	Yes
Procure the copper prototype of the 5-cell SRF PBG structure for cold-testing.	1-Jun-14	Milestone complete.	Yes
Report the results at AAC 2014 workshop	18-Jul-14	Milestone complete	Yes

<i>Conduct the cold-test of the copper prototype of the 5-cell SRF PBG structure.</i>	<i>1-Sep-14</i>	<i>Milestone complete</i>	<i>Yes</i>
<i>Conduct the wakefield experiment.</i>	<i>1-Sep-14</i>	<i>Milestone complete</i>	<i>Yes</i>
<i>Conduct the high gradient tests of the 5-cell SRF PBG structure.</i>	<i>1-Mar-15</i>	<i>Milestone complete</i>	<i>Yes</i>
<i>Report the final results at IPAC 2015</i>	<i>8-May-15</i>	<i>Milestone on schedule</i>	<i>No</i>
<i>Write a paper to report the results of the SRF experiment.</i>	<i>30-Jun-15</i>	<i>Milestone on schedule</i>	<i>No</i>
<i>Write a paper to report the results of the wakefield experiment.</i>	<i>30-Jun-15</i>	<i>Milestone on schedule</i>	<i>No</i>

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

Last updated August 2010