

Quarterly Recovery Act Reporting: DOE Office of Science

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| Recovery Project Name and Identification Number: | 2005410 - Energy Sciences Fellowships and Early Career Awards (WDTS) |
| Reporting Period: | 4th Quarter 2014 |
| 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 | |
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| 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 | | | |
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| 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 | | | |
| 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 delayed. Order is placed. Fabrication started. The new delivery date is November 1, 2014. | No |
| Report the results at AAC 2014 workshop | 18-Jul-14 | Milestone complete | Yes |

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| Conduct the cold-test of the copper prototype of the 5-cell SRF PBG structure. | 1-Sep-14 | Milestone delayed. The copper prototype is still in fabrication. | No |
| Conduct the wakefield experiment. | 1-Sep-14 | Milestone delayed due to scheduling delays at the AWA user facility. The experiment should start in November, 2014. | 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

Last updated August 2010