Quarterly Recovery Act Reporting: DOE Office of Science

Recovery Project Name and Identification Number:	
Reporting Period:	
Laboratory M&O Contractor:	
WAS Number:	
Laboratory POC:	
SC Program POC:	
Site Office POC:	
SC Budget Office POC:	
Total Funding Under this WAS (Whole Dollars):	

JOBS

REPORT QUARTERLY JOBS AT THE PRIME AND SUBCONTRACT LEVEL

Prime Contract Jobs Created this quarter:	
Prime Contract Jobs Retained this quarter:	*1.3*
Total Prime Contract Jobs for this quarter:	*1.3*
Subcontract Jobs Created this quarter:	
Subcontract Jobs Retained this quarter:	*0.0*
Total Subcontract Jobs for this quarter:	*0.0*
Total Number of Jobs for this quarter:	*1.3*
Total Number of Subcontracts :	***0***

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*	*Milstone 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*
ProcureTW 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*

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

Last updated August 2010