Report Information

Award Type	Award Number	Prime DUNS	Calendar Yr/Qtr	Final Report
Grant	0963407	066470972	2011 / 4	No

Award Recipient Information

Recipient DUNS Number	066470972	**Recipient Address 1**	107 SAMFORD HALL
Recipient Account Number	921915	**Recipient Address 2**	
Recipient Congressional District	02	**Recipient City**	AUBURN
		Recipient State	AL
Parent DUNS Number	066470972	**Recipient ZIP Code + 4**	368490001
Recipient Type	2U.G6.M8.OH.VW	**Recipient Country**	USA
Recipient Legal Name	AUBURN UNIVERSITY		
Recipient DBA Name			

Project / Award Information

Funding Agency Code	4900	**Total Number of Sub Awards less than $25,000/award**	0
Awarding Agency Code	4900	**Total Amount Sub Awards less than $25,000/award**	0.00
Program Source (TAS) Code	49-0101	**Total Number of Sub Awards to Individuals**	0
Sub Account Number for Program Source		**Total Amount of Sub Awards to Individuals**	0.00
CFDA Number	47.082	**Total Number of Payments to Vendors less than $25,000/award**	3
Amount of Award	4623008.00	**Total Amount of Payments to Vendors less than $25,000/award**	26956.50
Award Date	08/20/2010		
Award Description	Through its biological engineering research programs (BERL), Auburn University is well positioned to address the global challenges of providing renewable sources of energy, clean and abundant sources of water, healthy environment, and safe and plentiful supplies of food and other value-added products necessary for life. This project responds to the program goal of enhancing the Nations existing research facilities to enable a next-generation research infrastructure by creating stat-of-the-art laboratories. This project will ultimately allow research and research training on bioenergy and bioproducts engineering, ecological engineering, food safety engineering, and automation and sensor technologies to improve management of our national resources.		

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Project Information

Project Name or Project/ Program Title Next Generation Biological Engineering Research Through Renovation of Laboratories at Auburn University

Quarterly Activities/ Project Description The BERL team began meeting with Lord, Aeck, and Sargent, the selected architect firm, in July to begin program planning and schematic design phases of the project. Room data sheets have been collected and completed for all spaces in the building. Researchers have interacted with the design team and engineers to discuss power supply, egress, work flow, crane capacity, and other user issues.

Program planning has been completed and a schematic design and budget was presented on October 20. The schematic budget exceeded the construction budget and the team has been working to refine the design to fall within budget by tightening the mechanical and electrical narrative.

The team has continued working with University Facilities to identify surge space and storage space to accommodate our researchers during the renovation. Potential spaces have been vetted and are under renovation to accommodate the move in March/April, 2012.

Activity Codes (NAICS or NTEE-NPC) (up to 10)

Activity Code 1	236220
Activity Code 2	611310
Activity Code 3	541712
Activity Code 4	Z99
Activity Code 5	
Activity Code 6	
Activity Code 7	
Activity Code 8	
Activity Code 9	
Activity Code 10	

Project Status Less than 50% completed

Total Federal Amount ARRA Funds Received/ Invoiced 53581.55

Number of Jobs 0.79

Description of Jobs Created Architect, project manager and staff support

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Total Federal Amount of ARRA Expenditure	53581.55
Total Federal ARRA Infrastructure Expenditure	53581.55
Infrastructure Purpose and Rationale	This project involves the renovation of research laboratories in a building known as the Corley Annex. This is used by faculty in Biosystems Engineering and collaborating units. This gut renovation will upgrade the research space to contemporary levels of laboratory mechanical, electrical, and plumbing infrastructure and will result in a series of research laboratories and support spaces for the biological engineering program. The latter include laboratories for: a) Biomaterials Processing and Conversion; b) Advanced Biological Systems; c) Biosystems Automation; d) Biomaterials Characterization; e) Food Safety Engineering; f) Bioanalysis; g) Chemical Analysis; and h) Fabrication, an enhanced Instrument Support Facility, and new controlled-environment rooms. The renovated facility will be used for research in 1) bioenergy and bioproducts engineering; 2) ecological engineering; 3) food safety engineering; and 4) biosystems automation for natural resource management. It will enhance the existing collaboration between the Biosystems Engineering and Chemical Engineering departments. Specific examples of planned research activities include developing new techniques for processing and pre-treating biomass for the production of liquid fuels or electrical power; finding new techniques for converting biomass to intermediate products suitable for more efficient transport and

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further bio-refining; determining the fate and transport of emerging contaminants in the environment; quantifying the impacts of climate variability and change on water resources; developing innovative food processing and packaging techniques to extend shelf life of food products; refining food traceability systems to insure food safety; developing sensors and controls to reduce the use of fertilizers and pesticides; and developing data collection systems to accurately measure biomass removals and to guide the subsequent application of nutrients to insure long-term sustainability of agricultural and forest lands.

The project will improve the Nation?s research infrastructure by adding new capability to solve problems in biological systems with emphasis on critical societal needs for producing renewable energy, maintaining supplies of clean and abundant water, and improving natural resource management. The renovated facility will support an expansion of the existing collaboration in food engineering with Tuskegee University. The research training capacity and capabilities of the renovated facility will support newly approved graduate degrees in Biosystems Engineering.

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ZIP Code + 4 36849 - 0001
Congressional District 02

Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability No
Officer 1 Name
Officer 1 Compensation
Officer 2 Name
Officer 2 Compensation
Officer 3 Name
Officer 3 Compensation
Officer 4 Name
Officer 4 Compensation
Officer 5 Name
Officer 5 Compensation

Report Audit Trail

Created By Cindy Selman
Date Created 01/03/2012 05:00 PM
Last Updated By Cindy Selman
Last Updated On 01/06/2012 03:47 PM

Vendor
144442365 | Lord, Aeck and Sargent, Inc.

FederalReporting.gov

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Vendor Information

Sub Award Number
Vendor DUNS Number 144442365
Vendor Name Lord, Aeck and Sargent, Inc.
Vendor HQ ZIP Code + 4

Payment Amount 26625.05
Product and Service Description Architectural services

Report Audit Trail

Created By Cindy Selman
Date Created 01/03/2012 05:00 PM
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Last Updated On 01/06/2012 03:47 PM