

BROOKHAVEN
 NATIONAL LABORATORY

 Building 460
 P.O. Box 5000
 Upton, NY 11973-5000
 Phone 631 344-7755
 gclark@bnl.gov

 managed by Brookhaven Science Associates
 for the U.S. Department of Energy

www.bnl.gov

October 13, 2016

Ms. Evelyn Landini, Contracting Officer
 Business Management Division Director
 U.S. Department of Energy
 Brookhaven Site Office
 Building 464
 Upton, NY 11973

SUBJECT: BSA's Performance Commitment for FY 2016 Relative to the Accepted Commitments for FY 2015 – FY 2025

Dear Ms. Landini:

Brookhaven Science Associates, LLC ("BSA"), in its capacity as manager and operator of Brookhaven National Laboratory ("BNL"), has proposed, and the DOE has accepted, over \$118M in commitments over the next decade from external sources to support our vision for BNL.

Contract No. DE-SC0012704 Section J - Appendix B (the "Contract") requires an annual performance plan by BSA that provides the DOE an objective measurement of BSA's Commitments that advance the Laboratory mission, as stated in PEMP 4.3. In addition, FY16 PEMP Notable Outcome for Objective 4.3 states:

"Develop and submit a plan for delivery of the FY 2016 Appendix D Prime Contract Commitments no later than December 31, 2015. Meet the milestones established in the plan by September 30, 2016."

The table below reflects the cumulative commitment dollars delivered in prior years, the FY16 commitment plan, FY16 actual delivered and the estimated value of commitments over the decade. Since the award of Contract, the amounts attributable to specific items have been refined. Notwithstanding, the total Commitments remain firm. In addition, following the table, I have laid out the progress for actions associated with New York State funding as of the end of FY16 under the "Action Plan/Milestones" section below.

Source/Commitment	Alignment with BSA's Critical Outcomes or Other Initiatives	Delivery Timeframe	Prior Year Cumulative Total	FY16 Commitment Plan	FY16 Actual Delivered	Estimated Value (millions)
New York State						
High-Energy X-ray Beamline at NSLS-II	Transformation of synchrotron science; in	2015–2020				\$25M

Source/Commitment	Alignment with BSA's Critical Outcomes or Other Initiatives	Delivery Timeframe	Prior Year Cumulative Total	FY16 Commitment Plan	FY16 Actual Delivered	Estimated Value (millions)
	operando/in situ energy science					
Energy Recovery Linac (ERL)	Origins of matter and mass	2015–2020				\$25M
Establish Big Data Consortium–Center for Data-Driven Discovery (CD3)	Data-driven discovery	2015–2020				\$15M
	NYS Total		N/A	See Action Plan / Milestones	N/A	\$65M
	Brookhaven Science Associates					
Capitalize Agreements for Commercializing Technology (ACT) and non-federal Work for Others (WFO) to accelerate Laboratory growth agenda	Growth in WFO, energy technology; workforce development; community relations	2015–2025				\$3.2M
STEM education and community outreach	Workforce development; community relations	2015–2025				\$2.0M
Laboratory employee college scholarships	Workforce attraction and retention	2015–2025				\$1.22M
Laboratory Director discretionary funds	All Critical Outcomes	2015–2025				\$15.78M
	BSA Total		\$3.514M	\$2.050M	\$2.315M	\$22.2M
	Stony Brook University					
Stony Brook-BNL Joint Appointments	Synchrotron Sciences; Energy Sciences; High-Energy Physics (HEP); Environmental; Data-driven Discovery	2015–2025				\$26.2M
Stony Brook-BNL Seed Grant Program and other related support	All Science Critical Outcomes	2015–2025				\$2M
	Stony Brook Total		\$2.480M	\$2.500M	\$3.214M	\$28.2M
	Partner Universities					
Partner Universities - BNL Joint Appointments	Transformation of synchrotron science; in operando/in situ energy science	2015–2020				\$3.0M
	Partner Universities Total		\$2.256M	\$3.335M	\$1.692M	\$3.0M
GRAND TOTAL			\$6.250M	\$4.885M	\$7.221M	\$118.4M

Action Plan/Milestones:

With respect to the New York State funding, we made the following progress during FY16:

Establish Big Data Consortium—Center for Data-Driven Discovery (CD3): The project agreement is fully signed and executed. A prepayment invoice has been sent to the Empire State Development Corporation. The prepayment is expected shortly and work will commence.

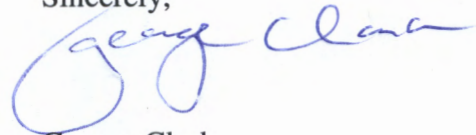
Energy Recovery Linac (ERL): The ERL project agreement language has been finalized. The NYSERDA board approved the project and \$25M in funding at their September 20th meeting. The NYS Governor should certify the board minutes at the end of October, 2016 allowing the agreement to be signed and an invoice for prepayment to be delivered to NYS.

High-Energy X-ray (HEX) Beamline at NSLS-II: The NYSERDA board will consider and hopefully approve this project at its January 2017 meeting. The ERL statement of work (SOW) will be used as a prototype for the HEX SOW.

We continue to be actively engaged in discussions with officials within the State Administration to secure all funding to support these projects. We will continue to keep you updated on our progress.

If you have any questions, please do not hesitate to contact me.

Sincerely,



George Clark
Chief Financial Officer

cc: J. Anderson (BSA/BNL)
B. Boyle (BSA/BNL)
F. Crescenzo (DOE-BHSO)
D. Evans (Battelle)
R. Gordon (DOE-BHSO)
D. Gibbs (BSA/BNL)
R. Reeder (BSA/SBU)
T. Schlagel (BSA/BNL)
S. Stanley (BSA/SBU)
R. Townsend (Battelle)
R. Tribble (BSA/BNL)