WASHINGTON, D.C. 20502

First Amendment

To

Memorandum of Understanding

Between

The National Institutes of Health,

the National Science Foundation,

the Office of Science & Technology Policy

For the Purpose of Establishing a Multi-Agency Consortium

to Support the STAR METRICS Project

Whereas, the National Institutes of Health (NIH), the National Science Foundation (NSF), and the Office of Science & Technology Policy (OSTP) entered into an MOU for the purpose of establishing a multiagency consortium to support the STAR METRICS Consortium on May 10, 2010;

Whereas the NIH, NSF and OSTP anticipated expanding and desire to expand the number of United States Government agencies participating in the STAR METRICS Consortium;

Whereas the U.S. Environmental Protection Agency (EPA) desires to join the STAR METRICS Consortium and is authorized to do so under Sections 104(a) and (b) of the Clean Water Act, 33 U.S.C. 1254(a) and (b); Sections 103(a) of the Clean Air Act, 42 U.S.C. 7403(a); Section 8001(a) of the Solid Waste Disposal Act, 42 U.S.C. 6981(a); and, Section 102(2)(G) of the National Environmental Policy Act, 42 U.S.C. 4332(2)(G);

Whereas the Department of Energy (DOE) also desires to join the STAR METRICS Consortium and is authorized do to so pursuant Section 646 of the Department of Energy Organization Act at 42 U.S.C. 7256);

NOW, therefore, NIH, NSF, OSTP, EPA and DOE agree as follows:

 The MOU for the Purpose of Establishing a Multiagency Consortium to Support the STAR METRICS Project dated May 10, 2010 (hereinafter, "Original MOU") is hereby amended to include EPA and DOE. EPA and DOE will each designate one voting member to the STAR METRICS Executive Committee, co-chaired by the representatives of OSTP, NIH and NSF.

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- 2. EPA and DOE will participate in and comply with all provisions of Original MOU as a member of the STAR METRICS Consortium.
- 3. Paragraph 2 of the Original MOU is amended to include:

The DOE is acting pursuant to the authority of Section 646 of the Department of Energy Organization Act at 42 U.S.C. § 7256.

The EPA is acting pursuant to the authority of Sections 104(a) and (b) of the Clean Water Act, 33 U.S.C. § 1254(a) and (b); Sections 103(a) of the Clean Air Act, 42 U.S.C. § 7403(a); Section 8001(a) of the Solid Waste Disposal Act, 42 U.S.C. § 6981(a); and, Section 102(2)(G) of the National Environmental Policy Act, 42 U.S.C. § 4332(2)(G).

4. Paragraph 4 of Roles and Responsibilities is amended to include:

DOE:

- The DOE will provide its Agency Data required for carrying out the mission of the STAR METRICS project outlined in the Original MOU.
- The DOE will assist NIH in gathering Institution Data from STAR METRICS participating institutions.
- For purposes of analysis, DOE may access aggregate data from the STAR METRICS database on a quarterly basis.
- The DOE will participate in outreach and development initiatives.

EPA:

- The EPA will provide its Agency Data required for carrying out the mission of the STAR METRICS project outlined in the original MOU.
- The EPA will assist NIH in gathering Institution Data from STAR METRICS participating institutions.
- For purposes of analysis, EPA may access aggregate data from the STAR METRICS database on a quarterly basis.
- The EPA will convey its experience with the HERO database, which compiles the references used or considered in scientific decisions.

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• The EPA will participate in outreach and development initiatives.

NSF:

- The NSF will provide its Agency Data required for carrying out the mission of the STAR METRICS project outlined in the original MOU.
- The NSF will assist NIH in gathering Institution Data from STAR METRICS participating institutions.

NIH:

- The NIH will provide its Agency Data required for carrying out the mission of the STAR METRICS project outlined in the original MOU.
- The NIH will gather Institution Data from STAR METRICS participating institutions.

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5. Paragraph 5 on Implementation is amended to include:

For purposes of this MOU, "Institution Data" is defined to mean the 14 data elements described at Exhibit A from institutions voluntarily participating in STAR METRICS. In addition, "Agency Data" is defined to mean data of the participating Federal Agency needed to further the objectives of the STAR METRICS Consortium, including but not limited to data comparable to the 14 data elements in Exhibit A as they relate to the intramural programs of the Agency, and data needed to capture the broader impact of science.

6. Paragraph 6 on Scope and Monetary Commitment is amended to include:

DOE: Agrees to contribute \$250,000 in FY 2011, and in each of the four subsequent years, which will be paid through an Interagency Agreement with NIH to be entered into no later than 90 days following the execution of this Amendment. In addition, DOE will contribute \$250,000 via in-kind support in 2011 and in each of the four subsequent years, in the form of national laboratory and headquarters staff and expertise to the STAR METRICS Program, such as assisting the consortium in the development and integration of selected national lab systems into the existing STAR METRICS infrastructure.

EPA: Agrees to contribute \$250,000 in FY 2011, and in each of the four subsequent years, which will be paid through an Interagency Agreement with NIH to be entered into no later than 90 days following the execution of this Amendment. In addition, EPA will contribute \$250,000 via in-kind support in 2011 and in each of the four subsequent years, in the form of staff and expertise to the STAR METRICS Program, such as assisting the consortium in the development and integration of key decision databases into the existing STAR METRICS infrastructure. In addition to providing the data collected from regulatory decisions, EPA will provide the Agency's data required for supporting the STAR METRICS data infrastructure.

Any transaction involving reimbursement or contribution of funds between the parties to this MOU will be handled in accordance with applicable laws, regulations, and procedures under separate written agreements.

This MOU is neither a fiscal nor a funds obligation document. Nothing in this MOU authorizes or is intended to obligate the Consortium members to

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expend, exchange, or reimburse funds, services, or supplies, or transfer or receive anything of value.

This MOU in no way restricts the Consortium members from participating in any activity with other public or private agencies, organizations or individuals. This MOU is strictly for internal management purposes for each of the Consortium members.

Dr. John P. Holdren, Drector, Office of Science and Technology Policy	May 31, 2011 Date
Dr. Subra Suresh Director, National Science Foundation	June 14, 2011 Date
Francis S. Collins, M.D., Ph.D. Director, National Institutes of Health	8/8/11 Date
Paul T. Anastas Assistant Administrator, Environmental Protection Agen	7/29/2011 Date
Michael Locatis	$\frac{6/21/2011}{\text{Date}}$

Chief Information Officer, Department of Energy

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Exhibit A- Data Elements Requested in Phase I

	Data Element	Definition
Information on Awards	Unique Award Number	The unique federal number as defined by concatenating the 6 position CFDA code with the assigned award id from the awarding Federal Agency (such as the federal grant number, federal contract number or the federal loan number). Format example: 47.074 AGS-0120950 where "47.074" is the CFDA and "AGS-0120950" is the Federal Award ID.
	Recipient Account Number	Research Institution's internal number for the award.
	Overhead Charged	Actual Overhead dollars disbursed for award in the specified period.
	Recipient Account Number	Research Institution's internal number for the award.
Information on Individuals	Unique Award Number	The unique federal number as defined by concatenating the 6 position CFDA code with the assigned award id from the awarding Federal Agency (such as the federal grant number, federal contract number or the federal loan number). Format example: 47.074 AGS-0120950 where "47.074" is the CFDA and "AGS-0120950" is the Federal Award ID.
	De-identified Employee Id	Unique Employee ID (not Social Security number) of grant funded personnel
	Occupational Classification	Occupational classification / Job description of the funded personnel (ex. Faculty, Undergrad Student, Grad Student, Post Graduate Researcher, Research Support, Technician/Staff Scientist, Research Analyst/Coordinator, Clinicians)
	FTE Status	Designation of the status of the funded personnel (full time = 1.0 , half time = $.5$)
	Proportion of Earnings Allocated to Award	Calculated portion of the earnings charged by funded personnel to the award in the specified period.
Information on Indirect Costs	Overhead Salary + Fringe to Total Ratio	Proportion of overhead dollars that goes to pay salaries and fringe benefits. The calculation used is (Salary \$ + Fringe \$) ÷ Total Overhead Dollars. For more information, link to Indirect Cost Proposal Example.
Payments to vendors	Unique Award Number	The unique federal number as defined by concatenating the 6 position CFDA code with the assigned award id from the awarding Federal Agency (such as the federal grant number, federal contract number or the federal loan number). Format example: 47.074 AGS-0120950 where "47.074" is the CFDA and "AGS-0120950" is the Federal Award ID.
	Recipient Account Number	Research Institution's internal number for the award.
	Vendor DUNS Number	Vendor DUNS Number. The Vendor's 9 digit DUNS number. If DUNS is unavailable then substitute zip code with "Z" prefix so as to distinguish it from the DUNs number.

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	Vendor Payment Amount	The funds charged to the award by the vendor in the specified period
	Unique Award Number	The unique federal number as defined by concatenating the 6 position CFDA code with the assigned award id from the awarding Federal Agency (such as the federal grant number, federal contract number or the federal loan number). Format example: 47.074 AGS-0120950 where "47.074" is the CFDA and "AGS-0120950" is the Federal Award ID.
Subcontracts and subawards	Recipient Account Number	Research Institution's internal number for the award.
	Sub-Award Recipient DUNS Number	The sub-recipient organization's 9- digit DUNS number. If DUNS is unavailable then substitute zip code with "Z" prefix so as to distinguish it from the DUNs number.

Sub-Award The funds charged to the award by the sub-awardee in the specified period.