

Supporting Statement (3145-0199)

REQUEST FOR REINSTATEMENT OF CLEARANCE FOR MONITORING FOR THE NATIONAL SCIENCE FOUNDATION'S (NSF's) MATH AND SCIENCE PARTNERSHIP (MSP) PROGRAM

Section A

Introduction

This request for Office of Management and Budget (OMB) review asks for reinstatement of clearance of the online monitoring system for the Math and Science Partnership (MSP) program, which is funded by the Directorate of Education and Human Resources (EHR) at the National Science Foundation (NSF). The system is already in place, having been granted clearance for the first collection in 2004; this request asks for clearance for the next three (3) years of data collection. The surveys have not been changed since the last clearance.

The NSF funds research and education in mathematics, science and engineering. It does this through grants, contracts, and cooperative agreements to more than 2,000 colleges, universities, and other research and/or education institutions in all parts of the United States. The Foundation accounts for about 20 percent of Federal support to academic institutions for basic research. EHR is the directorate within NSF that is responsible for the health and continued vitality of the Nation's science, technology, engineering, and mathematics (STEM) education and for providing leadership in the effort to improve education in these areas.

Over the past eight years, NSF has been using results from the online monitoring system to respond, in a timely fashion, to the Congressional mandate to provide ongoing program results on the MSP program. NSF also uses the data to monitor the annual activities and associated outcomes of individual projects. It also contributes substantially to the MSP project and program evaluations and provides important information for NSF's K-12 reporting needs.

Timely clearance of this request is critical in order for NSF to continue meeting the Congressional mandate in P. L. 107-368, Sections 9 and 19 to evaluate the MSP program and provide Congress with ongoing results from this evaluation and for NSF to meet its Government Performance and Results Act (GPRA) accountability requirement.

A. Overview of the MSP Program

The MSP program is a major research and development effort under the aegis of the America COMPETES Act of 2007 (Public Law 110-69). NSF's MSP program also received a significantly increased appropriation in the American Recovery and Reinvestment Act of 2009 (Public Law 111-5). To date, NSF has made over \$965 million in commitments to partnership activities in a research and development portfolio that spans the nation. The goals for the program are to:

- Ensure that all K-12 students have access to, are prepared for, and are encouraged to participate and succeed in challenging curricula and advanced mathematics and science courses;
- Enhance the quality, quantity, and diversity of the K-12 mathematics and science teacher workforce; and

- Develop evidence-based outcomes that contribute to our understanding of how students effectively learn mathematics and science.

Individual projects funded by the MSP program aim to address the aforementioned issues by incorporating a depth and quality of creative strategic actions that extend beyond commonplace approaches. Although all MSP projects share a focus on the same set of fundamental issues, individual MSP projects differ in their scope and are categorized accordingly. Since NSF's MSP program was initiated in FY 2002, awards have been made to the following types of projects:

- *Comprehensive Partnerships* implement change in mathematics and/or science educational practices in both Institutions of Higher Education (IHEs) and in schools and school districts, resulting in improved student achievement across the K-12 continuum.
- *Targeted Partnerships* focus on improved K-12 student achievement in a narrower grade range or disciplinary focus within mathematics or science.
- *Institute Partnerships*, also referred to as Teacher Institutes for the 21st Century, focus on the development of mathematics and science teachers as school- and district-based intellectual leaders and master teachers.
- *Research, Evaluation, Technical Assistance (RETA)* awards build and enhance large-scale research and evaluation capacity for all MSP awardees and provide them with tools and assistance in the implementation and evaluation of their work.
- *MSP-Start Partnerships* are for awardees new to the MSP program, especially from minority-serving institutions, community colleges and primarily undergraduate institutions, to support the necessary data analysis, project design, evaluation and team building activities needed to develop a full MSP Targeted or Institute Partnership.
- *Phase II Partnerships* for prior MSP Partnership awardees focus on specific innovation areas of their work where evidence of significant positive impact is clearly documented and where an investment of additional resources and time would produce more robust findings and results.

This clearance request covers a series of existing online surveys that are designed to obtain annual data from principal investigators (PIs) and other program participants for MSP Targeted and Institute Partnerships.¹

B. Overview of the Study Design

The MSP Management Information System is designed to collect both quantitative and qualitative data on an annual basis and will allow for comparisons both within and among projects over time. The primary method of gathering this information is by the use of a Web-based data collection system that incorporates the eight surveys covered by this submission (and provided in Appendices A through H)—including:

- **Comprehensive and Targeted MSP Projects²**
 - **Annual Survey for Comprehensive and Targeted Partnership Projects (Attachment A).** This survey collects information on each of the project's partner organizations (e.g., IHEs, K-12 school

¹ MSP Comprehensive Partnerships are no longer funded by the program, MSP-Start projects complete a separate set of surveys, and RETA projects no longer complete an online survey.

² As continuations of prior partnership awards, Phase II projects also continue to complete the surveys for Comprehensive and Targeted Projects.

districts, project evaluators), the grades and subject areas the project will address, and project activities by key feature. It can be completed by the principal investigator (PI) or someone designated by the PI. Included in the survey is an Administrative Module that must be completed in order that K-12 district partners, IHE partners, and IHE participants can have access to the system to complete the survey modules for which they are responsible.

- **Annual IHE Participant Survey for Comprehensive and Targeted MSPs (*Attachment B*)**. This survey module collects information about the characteristics and contributions of IHE faculty members and administrators who are active participants in an MSP Comprehensive or Targeted project. Information collected includes demographic characteristics, current fields of research and instruction, and contributions to their MSP. The survey must be completed by each individual IHE faculty member and administrator who is directly supported by the MSP grant and/or directly participated in the development or implementation of MSP-related activities during the previous school year.
- **Annual Institution of Higher Education Survey (*Attachment C*)**. This survey, completed by each MSP IHE partner participating in a Comprehensive or Targeted partnership, obtains information on the number of individuals who developed and/or delivered MSP activities and the number of individuals who were recipients of MSP activities.
- **Annual K-12 District Survey (*Attachment D*)**. This survey, completed by participating K-12 school districts in a Comprehensive or Targeted partnership, collects standardized data about each district and the participating K-12 schools within the district. At the district level, the survey collects information about professional development, K-12 personnel involvement with the development and/or delivery of MSP activities and the number of participating schools within the district. At the school level, the survey collects information about all mathematics and science teachers in the schools with significant MSP involvement, participating mathematics and science teachers, school enrollment, student course enrollment in mathematics and science courses, student achievement on statewide, criterion-based, mathematics and science accountability assessments, and school performance on AYP.

- **Institute Projects**

- **Annual Survey for Institute Partnership Projects (*Attachment E*)**. This survey collects information on each of the project's partner organizations (e.g., IHEs, K-12 school districts, project evaluators), the scope of the project (e.g., grades and subject areas the project addresses and criteria for selecting teachers) and project activities by key feature. It also collects information about the demographic characteristics of students and teachers in the schools of the K-12 Institute enrollees. It can be completed by the principal investigator (PI) or someone designated by the PI. Included in the survey is an Administrative Module that must be completed in order that IHE participants can have access to the system to complete the survey modules for which they are responsible.
- **Annual IHE Participant Survey for Institute MSPs (*Attachment F*)**. This survey collects information about the characteristics and contributions of IHE faculty members and administrators who are active participants in an Institute MSP project. Information collected includes demographic characteristics, current fields of research and instruction, and contributions to their MSP. The survey must be completed by each individual IHE faculty member and administrator who is participating in an Institute MSP.

- **Initial Survey for K-12 MSP Institute Participants (Attachment G).** This paper-based survey collects information about the characteristics of K-12 teachers and administrators prior to their participation in an Institute MSP project. Information collected includes demographic characteristics, school characteristics, instructional and administrative responsibilities, and educational preparation and certification. The survey must be completed by each K-12 teacher and administrator who is participating in an Institute MSP at the beginning of their participation in the program.
- **Annual Survey for K-12 MSP Institute Participants (Attachment H).** This survey collects information about the characteristics and professional development of K-12 Institute participants. Information collected includes participant's current professional status, degrees and certifications earned, leadership responsibilities, Institute and professional development activities, and professional community building. This survey is completed annually by each individual K-12 Institute participant who has completed the Initial Survey for K-12 Institute Participant, are active in the MSP Institute program, and whose participation is directly funded by NSF MSP grant.

A.1. Circumstances Requiring the Collection of Data

The MSP program is a major research and development effort that supports innovative partnerships to improve K-12 student achievement in mathematics and science. Cleared in 2008 for three years as OMB 3145-0199, a reinstatement of the MSP clearance that allows continued collection, without change, of data is requested for a total of eight surveys, listed above. The surveys have not been changed since the last clearance.

MSP projects are expected to both raise the achievement levels of all students and significantly reduce achievement gaps in the mathematics and science performance of diverse student populations. Successful projects will serve as models that can be widely replicated in educational practice to improve the mathematics and science achievement of all the nation's students.

The MSP program is also directly aligned with two of NSF's long-term investment categories that link directly to NSF programs and budget resources. They provide the framework for development of more specific and time-dependent performance goals, and for other assessments:

- **Transform the Frontiers:** Investments that prepare and engage a diverse STEM workforce motivated to participate at the frontiers.
- **Innovate for Society:** Investments that lead to results and resources that are useful to society. (http://www.nsf.gov/news/strategicplan/nsfstrategicplan_2011_2016.pdf)

The MSP program represents an investment in the individual project participants and recipients of MSP activities, the institutions of higher education funded, and the collaborations fostered between K-12 schools and school districts and colleges and universities.

NSF goals and investment categories provide the framework for the development of NSF performance goals. Since the MSP program is a critical part of NSF's efforts to meet these goals, the timely collection of data through the MSP Management Information System is essential for NSF's documentation. In addition, the MSP Management Information System collects standardized information needed to evaluate the success of individual MSP projects and the MSP program as a whole. The 2012 MSP solicitation states that applicants for an MSP award are required to:

“Describe the Evaluation Plan that will guide project progress annually and will measure the impact of the work described in the action plan, including the questions the evaluation plan will address. It should include a description of the instruments/metrics by which partners will document, measure and report on the project's progress toward realizing improved student and teacher outcomes. The Evaluation Plan should directly relate to the annual benchmarks and outcome goals in the Special Information and Supplementary Documentation section of the proposal. Formative evaluation should provide evidence of the strengths and weaknesses of the project, informing the Partnership's understanding of what works and what does not in order to inform project progress and success. Summative evaluation should give an objective analysis of qualitative and quantitative data, thus demonstrating the effectiveness of the project on student and teacher outcomes and institutional change among all Core Partners. Although the Evaluation Plan will be developed with input from the Partnership, objective analyses and findings require either an external evaluator or an objective evaluator within a partner institution who is clearly separate and distinct from the partnership participants and their departments/units (e.g., in a department/unit within a university that is not part of the Partnership itself). The qualifications of the evaluator(s) must be provided in the proposal.” (NSF 12-518, p. 11, <http://www.nsf.gov/pubs/2012/nsf12518/nsf12518.htm>)

By collecting project-specific information that can be shared with the appropriate evaluators, the MSP Management Information System eliminates the redundancies associated with multiple evaluators developing their own data collection instruments to collect basic information needed for all of the individual project evaluations. At the same time, a single standardized data collection source provides the evaluation of the MSP program with data necessary to determine whether program objectives have been attained and to examine what project characteristics are most closely associated with project success.

MSP projects from the fourth and fifth cohorts of the MSP program (as well as eight Phase II projects originally funded through the first three cohorts of the program) are currently being monitored by the online system. Continuing this data collection activity for these cohorts in future years, as well as monitoring the efforts of future cohorts, is necessary to decipher the extent to which programmatic outcomes are being achieved, as this monitoring system is the only method by which these data are being captured in a consistent manner across all awards.

A.2. Purposes and Uses of the Data

The primary purpose for this data collection is program planning and management, also known as program monitoring, at the project and program levels. Monitoring the MSP program yields a better understanding of how the program is being implemented and its impact. NSF is using results in responding, in a timely fashion, to the Congressional mandate to provide ongoing program results on the MSP program. The monitoring data also provides important information for various NSF reports including the High Priority Performance Goals and various K-12 documents. Information collected will be used as a data source for the program evaluation. NSF has contracted with Westat, Inc., which developed the monitoring system for the MSP program. All information collected is and will continue to be used to provide analytical and policy support to EHR, assisting NSF to make decisions about future funding and other program initiatives to improve STEM education.

Westat provides NSF with annual reports displaying aggregated data for all MSP projects, as well as project-specific tables for each MSP project. Westat has also made electronic files available to individual MSP projects so they can review and extract their own data to facilitate their management and evaluation tasks. Project-specific data for all projects is available only to EHR staff, EHR contractors with

responsibility for impact database management or program evaluators, and the NSF program managers and their staff.

A.3. Use of Information Technology to Reduce Burden

The MSP data collection effort makes maximum use of computer technology to minimize the response burden and to maximize its ability to respond in a timely fashion to Congressionally mandated reporting requirements. Projects use a worldwide Web browser to submit the required data over the Internet using the specially developed MSP online data collection system software. EHR favors Web-based systems because they facilitate respondents' data entry across computer platforms. One feature of the system is the thorough editing of data for completeness, validity, and consistency prior to final submittal. Editing is performed as data are entered. Questionable or incomplete entries are called to respondents' attention before they are submitted to NSF. Features such as automatic tabulations, checkboxes, standard menus, and predefined charts and graphics facilitate the reporting process, provide useful and rapid feedback to the data providers, and reduce burden.

On the Annual IHE Participant Survey for Comprehensive and Targeted MSPs and the Annual IHE Participant Survey for Institute MSPs, certain items are only required of those respondents that participated for 40 or more hours in a given year (i.e., the system is designed to collect only a minimal amount of information from those IHE participants who participated less than 40 hours in their MSP project in any given year). The purpose is to obtain basic information on all IHE participants while minimizing response burden on those individuals who did not meet a specific threshold of participation. Similar procedures are in place in the Annual K-12 Survey to assure that more detailed information is only requested of those schools that have met a specific threshold of participation.

Furthermore, in each data collection period, individual items (e.g., contact information) show respondents' data submitted in earlier years so that these data can be easily updated as opposed to re-entered. In addition, items that will never need to be revised or updated (e.g., type of organization that received the award) are not displayed in subsequent collections. Since most project participation is on a multi-year basis, updating the previous year's data in subsequent collections is far easier and less burdensome than providing the data in the first year.

A.4. Efforts To Identify Duplication

The online management information system is the only current means of collecting these data (no similar data exist elsewhere). All project data on program funding are drawn from the NSF administrative database now called the FastLane Project Reports system (OMB Control Number 3145-0058). Data collected via the monitoring system will be used, where possible, to pre-fill survey items in subsequent years to further minimize overall response burden.

A.5. Small Business

No information is to be collected from small businesses.

A.6. Consequences of Not Collecting the Information

Without the information collected via this monitoring system, NSF will be unable to document the effectiveness, impacts, or outcomes of the MSP program or meet its Congressionally mandated

requirement under Public Law 107-368, subsection (c) (NSF Authorization Act of 2002) to have the MSP program evaluated and provide Congress with ongoing results from current evaluative activities or a future evaluation and will not meet its accountability requirements or assess the degree to which individual projects are meeting their goals.

A.7. Special Circumstances Justifying Inconsistencies with Guidelines in 5 CFR 1320.6

The data collections will comply with 5 CFR 1320.6.

A.8. Consultation Outside the Agency

This data collection was published in Federal Register/Notices June 27, 2012 (Volume 77, Number 124 Page 38336-38338). A copy of the notice is attached in Attachment I.

A.9. Payments or Gifts to Respondents

No payments or gifts will be provided to respondents.

A.10. Assurance of Confidentiality

Respondents will be advised that no information on specific individuals will be maintained, in accordance with the Privacy Act of 1974. Data collected are available to NSF officials and staff, evaluation contractors, and the contractors hired to manage the data and data collection software. Data are processed according to Federal and State privacy statutes. Detailed procedures for making information available to various categories of users are specified in the Education and Training System of Records (63 Fed. Reg. 264, 272 January 5, 1998). That system limits access to personally identifiable information to authorized users. Data submitted will be used in accordance with criteria established by NSF for monitoring research and education grants and in response to Public Law 99-383 and 42 USC 1885c. The information requested may be disclosed to qualified researchers and contractors in order to coordinate programs and to a Federal agency, court or party in a court, or Federal administrative proceeding, if the government is a party.

A.11. Questions of a Sensitive Nature

The types of questions asked on these surveys are not considered sensitive. Furthermore, every effort has been made to protect the privacy of individuals involved in the MSP program. The only individually identifiable information collected by the surveys is the name and contact information for persons completing the surveys and/or supplying the data reported. This information is needed to allow Westat staff and project evaluators to follow-up with any necessary clarifying questions. With these exceptions, the system has been designed so that neither Westat nor NSF will have information permitting them to identify MSP participants. Participants are listed in the online system using an identification number. The ID number is maintained by each MSP project, along with the individuals' contact information. This information is used to track recipients of funding and training. Although the two Annual IHE Participant Surveys do ask for some demographic information, neither Westat nor NSF has the capability to link the information to any individual. Any individualized data that are collected are provided only to program staff, consultants, and contractors conducting studies using the data as authorized by NSF. Any public reporting of these data is in aggregate form.

A.12 Estimates of Response Burden

As mentioned above, the MSP Management Information System is designed to collect both quantitative and qualitative data on an annual basis that will allow for comparisons both within and among NSF-funded projects over time. All but one of the eight surveys is administered via an online system. Four of these surveys collect data from individuals (i.e., Annual IHE Participant Survey for Comprehensive and Targeted MSPs, Annual IHE Participant Survey for Institute MSPs, Initial Survey for K-12 MSP Institute Participants, and Annual Survey for K-12 MSP Institute Participants) and are designed to obtain basic information about individual participants and their participation in MSP activities. In keeping with the NSF's MSP program monitoring goals, all eight instruments are designed to collect data that are easily accessible to respondents.

A.12.1. Number of Respondents, Frequency of Response, and Annual Hour Burden

We estimate that the total number of annual respondents will be 1,687. The estimated annual response burden is 16,245.

The number of respondents per survey instrument and burden hour calculations are presented in Chart 1. Burden hours per response are estimated on the basis of discussions with NSF, PIs, and Westat's experience in administering the surveys over the previous eight years. Assumptions for the number of respondents are based on the number of respondents for the 2010-11 collection cycle (the most recent collection cycle for which information is currently available). Information about changes between the current estimates and the estimates in our last request for MSP survey clearance is contained in *Section A.15*.

Chart 1 Annual Burden Hours for MSP Monitoring System, by Type of Respondent

	Number of Respondents	Burden Hours per Respondent	Annual Person-Hour Total*
Comprehensive and Targeted Projects¹			
Annual Survey for Comprehensive and Targeted Partnership Projects - Principal Investigator	24	55	1,320
Annual Targeted and Comprehensive MSP IHE Participant Survey	341	0.83	283
Annual IHE Survey for Comprehensive and Targeted MSPs -- IHE Partners	65	8	520
Annual K-12 District Survey	191	64	12,224
Institute Projects			
Annual Survey for Institute Partnership Projects - Principal Investigator	15	60	900
Annual IHE Participant Survey for Institute MSPs	223	0.83	185
Initial Survey for K-12 MSP Institute Participants	267	0.25	67
Annual Survey for MSP Institute K-12 Participants	561	1.33	746
Total respondents	1,687		16,245

* = Number of Respondents x Burden Hours per Response

¹ = Includes Phase II projects

A.12.2. Hour Burden Estimates by Each Form and Aggregate Hour Burdens

There are a total of eight survey forms that we are requesting clearance for use in this program monitoring effort: 1) the Annual Survey for Comprehensive and Targeted Partnership Projects, 2) the Annual IHE Participant Survey for Comprehensive and Targeted MSPs, 3) the Annual Institution of Higher Education Survey 4) the Annual K-12 District Survey, 5) the Annual Survey for Institute Partnership Projects, 6) the Annual IHE Participant Survey for Institute MSPs, 7) the Initial Survey for K-12 MSP Institute Participants, and 8) the Annual Survey for MSP Institute K-12 Participants. Seven are Web-based surveys and one (the Initial Survey for K-12 MSP Institute Participants) is paper-based.

The hour burden estimates by type of form are presented in Chart 2:

Chart 2. OMB Burden Calculation for MSP Monitoring System, by Survey Form

	Number of Respondents	Number of Responses Per Respondent (over 3 years)	Burden Hours per Response	Total Hour Burden (over 3 years)*	Annual Average Hour Burden**
Comprehensive and Targeted Projects¹					
Annual Survey for Comprehensive and Targeted Partnership Projects - Principal Investigator	24	3	55	3,960	1,320
Annual Targeted and Comprehensive MSP IHE Participant Survey	341	3	0.83	849	283
Annual IHE Survey for Comprehensive and Targeted MSPs -- IHE Partners	65	3	8	1,560	520
Annual K-12 District Survey	191	3	64	36,672	12,224
Institute Projects					
Annual Survey for Institute Partnership Projects - Principal Investigator	15	3	60	2,700	900
Annual IHE Participant Survey for Institute MSPs	223	3	0.83	555	185
Initial Survey for K-12 MSP Institute Participants	267	1	0.25	67	67
Annual Survey for MSP Institute K-12 Participants	561	3	1.33	2,238	746

Total respondents	1,687			48,601	16,245
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* = Number of Respondents x Number of Responses Per Respondent x Burden Hours per Response

** = Total Hour Burden (over 3 years) / 3

¹ = Includes Phase II projects

A.12.3. Estimates of Annualized Cost to Respondents for the Hour Burdens

The overall annual costs to respondents for burden hours are estimated to be \$684,985. The hourly wage rates were based on information found in the Department of Education's National Center for Educational Statistics Integrated Postsecondary Education Data System (Table 3, Employees in Postsecondary Institutions, Fall 2006, and Salaries of Full-Time Instructional Faculty, 2010-11, <http://nces.ed.gov/pubs2012/2012276.pdf>) and the U.S. Department of Labor, Bureau of Labor Statistics, National Compensation Survey (Table 3, National Compensation Survey: Occupational Wages in the United States: 2010, <http://www.bls.gov/ncs/ncswage2010.pdf>).

Calculations are shown in Chart 3.

Chart 3. Annualized Cost to Respondents, by Type of Respondent

	Annual Average Hour Burden	Estimated Hourly Wage Rate	Estimated Cost to Respondents*
Comprehensive and Targeted Projects¹			
Annual Survey for Comprehensive and Targeted Partnership Projects - Principal Investigator	1,320	\$50.07	\$66,092
Annual Targeted and Comprehensive MSP IHE Participant Survey	283	\$50.07	\$14,170
Annual IHE Survey for Comprehensive and Targeted MSPs -- IHE Partners	520	\$50.07	\$26,036
Annual K-12 District Survey	12,224	\$41.25	\$504,240
Annual Survey for Institute Partnership Projects - Principal Investigator	900	\$50.07	\$45,063
Annual IHE Participant Survey for Institute MSPs	185	\$50.07	\$9,263
Initial Survey for K-12 MSP Institute Participants	67	\$37.05	\$2,482
Annual Survey for MSP Institute K-12 Participants	746	\$37.05	\$27,639
Total respondents	16,245		\$694,985

* Annual Average Hour Burden x Estimated Hourly Wage Rate

¹ = Includes Phase II projects

A.13. Estimate of Total Capital and Startup Costs/Operation and Maintenance Costs to Respondents or Record Keepers

There is no overall annual cost burden to respondents or record keepers that results from the MSP program other than the time spent responding to the surveys that are attached as appendices to this request.

It is usual and customary for individuals involved in education and training activities in the United States to keep descriptive records. The information being requested is from records that are maintained as part of normal educational or training practice. In order to be funded by NSF, institutions must follow the instructions in the NSF Grant Proposal Guide (GPG) that is cleared under OMB 3145-0058. The GPG requires that all applicants submit requests for NSF funding and that all active NSF awardees do administrative reporting via FastLane, an Internet-based forms system. Thus, the PIs, school districts, IHE partners and IHE participants who are the primary respondents to the individual MSP data collections tasks make use of standard office equipment (e.g., computers), Internet connectivity that is already required as a startup cost and maintenance cost under OMB 3145-0058, and free software (e.g., Netscape or Microsoft Explorer) to respond.

A.14. Estimates of Costs to the Federal Government

The total estimated cost to the government of all data collection, analysis, and reporting activities for program monitoring is approximately \$1,201,914. This estimate is based on the actual annual cost of the collection in 2011 (shown in Chart 4).

Chart 4. Estimated Annual Cost to the Federal Government of Collection (based on 2011 expenditures)

Personnel	\$125,613
Travel	\$59
Computing	\$32,478
Copying	\$469
Postage	\$87
Overhead	\$135,865
G&A and Fee	\$106,067
Total Costs	\$400,638

A.15. Changes in Burden

Chart 6 summarizes changes in annual hour burden for the system of surveys between what was requested in 2008 and what is currently requested.

Chart 6. Hour Changes in Task Burdens

Attachment	Collection title	Annual Burden Requested in 2008	Currently Requested Annual Burden	Change in Burden
A	Annual Survey for Comprehensive and Targeted Partnership Projects	2,145	1,320	-825
B	Annual IHE Participant Survey for Comprehensive	1,038	283	-755

	and Targeted MSPs			
C	Annual Institution of Higher Education Survey	1,072	520	-552
D	Annual K-12 District Survey	44,288	12,224	-32,064
E	Annual Survey for Institute Partnership Projects	720	900	+180
F	Annual IHE Participant Survey for Institute MSPs	125	185	+60
G	Initial Survey for Institute K-12 Participants	50	67	+17
H	Annual Survey for Institute K-12 Participants	878	746	-132
	Total	50,322	16,245	-34,071

Some of the changes in hour burden are attributable to a change in our estimates of the number of respondents, as detailed in Chart 7. For example, the number of PIs completing the Annual Survey for Comprehensive and Targeted Partnership Projects (Attachment A) decreased by 15 as a result of several MSP programs reaching completion, and the MSP program funding fewer new projects in more recent years. As a result of their being fewer MSP projects, the number of individuals completing the other surveys for Comprehensive and Targeted projects (Attachments B, C, and D) have also decreased significantly. .

Chart 7. Changes in Number of Respondents

Attachment	Collection title	Number of Respondents in 2008 Request	Respondents in Current Request	Change in Number of Respondents
A	Annual Survey for Comprehensive and Targeted Partnership Projects	39	24	-15
B	Annual IHE Participant Survey for Comprehensive and Targeted MSPs	1,250	341	-909
C	Annual Institution of Higher Education Survey	134	65	-69
D	Annual K-12 District Survey	692	191	-501
E	Annual Survey for Institute Partnership Projects	12	15	3
F	Annual IHE Participant Survey for Institute MSPs	150	223	73
G	Initial Survey for K-12 MSP Institute Participants	200	267	67
H	Annual Survey for MSP Institute K-12 Participants	660	561	-99
	Total	3,149	1,687	-1,450

A.16. Plans for Publication, Analysis, and Schedule

Chart 8 summarizes the timeline for the data collections and annual contractor reports for the first three data collection efforts.

Chart 8. MSP Work plan

Data Collection Tasks	Date to start	Date to complete
Web data collection	8/2012	11/2012
Follow-up Phone Calls to PIs	9/2012	11/2012
Final Cleaning and Validation of Databases	11/2012	4/2013
Tabulations for Report	5/2013	6/2013
Draft Report to NSF		7/2013
Project Reports to NSF		9/2013
Files for Program Evaluation		12/2013
Additional Reports	TBD	

Like many agencies, NSF is reducing its reliance on formal (i.e., traditional) publication methods and publication formats. Westat is conducting this third-party monitoring of the MSP program on behalf of NSF and is forbidden contractually from publishing results unless NSF has made a specific exception. In short, all products of the collections are the property of NSF. After the products are delivered, NSF determines whether the quality of the products deserves publication verbatim by NSF, i.e., NSF is the exclusive publisher of the information being gathered. Often it is only after seeing the quality of the information delivered by the study that NSF decides the format (raw or analytical) and manner (in the NSF-numbered product Online Document System (ODS) or simply a page on the NSF Web site) in which to publish.

Before the conclusion of the study, both NSF and the funded MSP projects may use preliminary data to improve management and performance. For example, data generated by this effort are expected to be inputs to other internal and external NSF reports (e.g., the GPRA Annual Performance Plan). At this time, NSF has no set timeline for publishing interim reports from analyses of monitoring data.

A.17. Approval to Not Display Expiration Date

Not Applicable

A.18 Exceptions to Item 19 of OMB Form 83-I

Not Applicable