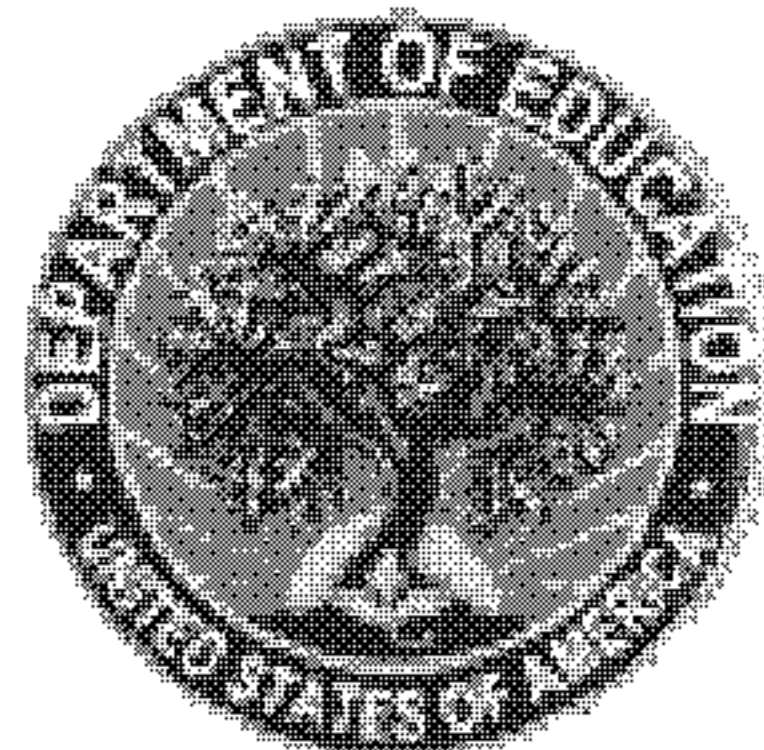


U.S. Department of Education

Washington, D.C. 20202-5335



APPLICATION FOR GRANTS UNDER THE

**STATEWIDE LONGITUDINAL DATA SYSTEM RECOVERY ACT GRANTS
CFDA # 84.384A
PR/Award # R384A100007**

Closing Date: NOV 19, 2009

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This application was generated using the PDF functionality. The PDF functionality automatically numbers the pages in this application. Some pages/sections of this application may contain 2 sets of page numbers, one set created by the applicant and the other set created by e-Application's PDF functionality. Page numbers created by the e-Application PDF functionality will be preceded by the letter e (for example, e1, e2, e3, etc.).

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission	* 2. Type of Application: * If Revision, select appropriate letter(s):	
<input type="checkbox"/> Preapplication	<input checked="" type="checkbox"/> New	
<input checked="" type="checkbox"/> Application	<input type="checkbox"/> Continuation	* Other (Specify)
<input type="checkbox"/> Changed/Corrected Application	<input type="checkbox"/> Revision	

* 3. Date Received:	4. Applicant Identifier:
11/19/2009	

5a. Federal Entity Identifier:	* 5b. Federal Award Identifier:
	N/A

State Use Only:

6. Date Received by State:	8/10/2009	7. State Application Identifier:
----------------------------	-----------	----------------------------------

8. APPLICANT INFORMATION:

* a. Legal Name: Maryland State Department of Education

* b. Employer/Taxpayer Identification Number (EIN/TIN):	* c. Organizational DUNS:
526002033	183071471

d. Address:

* Street1:	200 W. Baltimore Street
Street2:	
* City:	Baltimore
County:	Baltimore City
State:	MD
Province:	
* Country:	USA
* Zip / Postal Code:	21201

e. Organizational Unit:

Department Name:	Division Name:
MD State Department of Education	Accountability & Assessment

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:	Dr.	* First Name:	Leslie
Middle Name:			

* Last Name: Wilson

Suffix:

Title: Assistant State Superintendent

Organizational Affiliation:

* Telephone Number: (410)767-0090 Fax Number: (410)333-0257

* Email: LWILSON@MSDE.STATE.MD.US

Application for Federal Assistance SF-424 Version 02

9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

10. Name of Federal Agency:

U.S. Department of Education

11. Catalog of Federal Domestic Assistance Number:

84.384A

CFDA Title:

Statewide Longitudinal Data System Recovery Act Grants

*** 12. Funding Opportunity Number:**

ED-Grants-072909-001

Title:

Statewide Longitudinal Data Systems Grants under the American Recovery and Reinvestment Act of 2009

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

*** 15. Descriptive Title of Applicant's Project:**

Development of Maryland's P-20/Workforce Longitudinal Data System.

Attach supporting documents as specified in agency instructions.

Attachment:

Title :

File :

Attachment:

Title :

File :

Attachment:

Title :

File :

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

* a. Applicant: 7

* b. Program/Project: 1-8

Attach an additional list of Program/Project Congressional Districts if needed.

Attachment:

Title :

File :

17. Proposed Project:

* a. Start Date: 5/1/2010

* b. End Date: 4/30/2013

18. Estimated Funding (\$):

a. Federal	\$ 13056853
b. Applicant	\$ 0
c. State	\$ 1881792
d. Local	\$ 0
e. Other	\$ 0
f. Program Income	\$ 0
g. TOTAL	\$ 14938645

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on 11/19/2009.

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

Yes No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Dr. * First Name: Nancy
Middle Name: S
* Last Name: Grasmick
Suffix:

Title: State Superintendent of Schools

* Telephone Number: (410)767-0462 Fax Number: (410)333-6033

* Email: NGRASMICK@MSDE.STATE.MD.US

* Signature of Authorized Representative: * Date Signed:

Application for Federal Assistance SF-424

Version 02

*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.



U.S. DEPARTMENT OF EDUCATION

BUDGET INFORMATION

NON-CONSTRUCTION PROGRAMS

OMB Control Number: 1894-0008

Expiration Date: 02/28/2011

Name of Institution/Organization: Maryland State Department of Edu...

Applicants requesting funding for only one year should complete the column under "Project Year 1." Applicants requesting funding for multi-year grants should complete all applicable columns. Please read all instructions before completing form.

SECTION A - BUDGET SUMMARY
U.S. DEPARTMENT OF EDUCATION FUNDS

Table with 7 columns: Budget Categories, Project Year 1(a), Project Year 2 (b), Project Year 3 (c), Project Year 4 (d), Project Year 5 (e), Total (f). Rows include Personnel, Fringe Benefits, Travel, Equipment, Supplies, Contractual, Construction, Other, Total Direct Costs, Indirect Costs, Training Stipends, and Total Costs.

*Indirect Cost Information (To Be Completed by Your Business Office):

If you are requesting reimbursement for indirect costs on line 10, please answer the following questions:

(1) Do you have an Indirect Cost Rate Agreement approved by the Federal government? [] Yes [] No

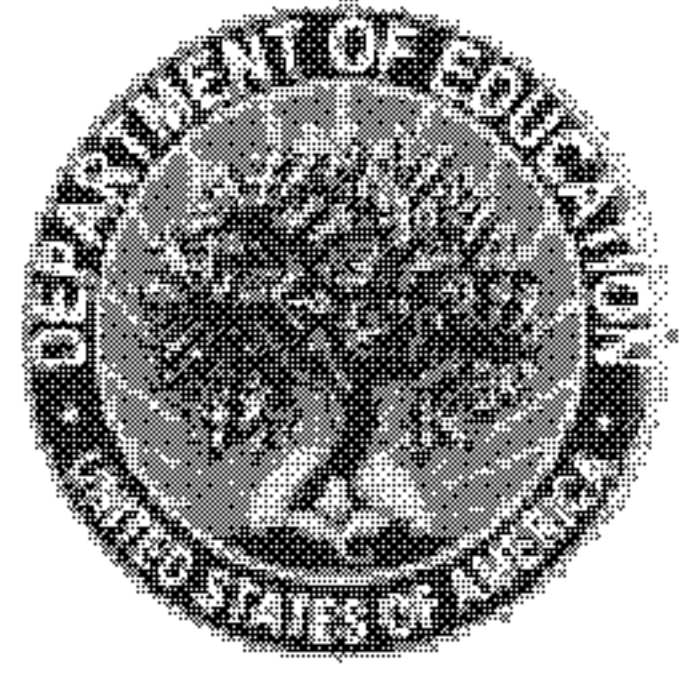
(2) If yes, please provide the following information:

Period Covered by the Indirect Cost Rate Agreement: From: 7/1/2009 To: 6/30/2010 (mm/dd/yyyy)

Approving Federal agency: [X] ED [] Other (please specify): _____ The Indirect Cost Rate is 12.4%

(3) For Restricted Rate Programs (check one) -- Are you using a restricted indirect cost rate that:

[] Is included in your approved Indirect Cost Rate Agreement? or, [] Complies with 34 CFR 76.564(c)(2)? The Restricted Indirect Cost Rate is 0%



U.S. DEPARTMENT OF EDUCATION

BUDGET INFORMATION

NON-CONSTRUCTION PROGRAMS

OMB Control Number: 1894-0008

Expiration Date: 02/28/2011

Name of Institution/Organization:
Maryland State Department of Edu...

Applicants requesting funding for only one year should complete the column under "Project Year 1." Applicants requesting funding for multi-year grants should complete all applicable columns. Please read all instructions before completing form.

SECTION B - BUDGET SUMMARY

NON-FEDERAL FUNDS

Budget Categories	Project Year 1(a)	Project Year 2 (b)	Project Year 3 (c)	Project Year 4 (d)	Project Year 5 (e)	Total (f)
1. Personnel	\$ 663,704	\$ 634,331	\$ 583,757	\$ 0	\$ 0	\$ 1,881,792
2. Fringe Benefits	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
3. Travel	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
4. Equipment	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
5. Supplies	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
6. Contractual	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
7. Construction	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
8. Other	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
9. Total Direct Costs (lines 1-8)	\$ 663,704	\$ 634,331	\$ 583,757	\$ 0	\$ 0	\$ 1,881,792
10. Indirect Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 663,704	\$ 634,331	\$ 583,757	\$ 0	\$ 0	\$ 1,881,792

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Standard Form 424B (Rev.7-97)

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management, and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, and if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. "4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. "1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. '794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act
9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. "276a to 276a-7), the Copeland Act (40 U.S.C. '276c and 18 U.S.C. "874) and the Contract Work Hours and Safety Standards Act (40 U.S.C. " 327-333), regarding labor standards for federally assisted construction sub-agreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. "1451 et seq.); (f) conformity of Federal actions to State (Clear Air) Implementation Plans under Section 176(c) of the Clear Air Act of 1955, as amended (42 U.S.C. "7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. "1721 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance

of 1975, as amended (42 U.S.C. " 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) " 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. " 290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. ' 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with the provisions of the Hatch Act (5 U.S.C. "1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. '470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. "469a-1 et seq.).

14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. "2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. "4801 et seq.) which prohibits the use of lead- based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations and policies governing this program.

Signature of Authorized Certifying Representative:

Name of Authorized Certifying Representative: Dr. Nancy S. Grasmick

Title: State Superintendent of Schools

Date Submitted: 09/19/2009

Disclosure of Lobbying Activities

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

1. Type of Federal Action: <input type="checkbox"/> Contract <input type="checkbox"/> Grant <input type="checkbox"/> Cooperative Agreement <input type="checkbox"/> Loan <input type="checkbox"/> Loan Guarantee <input type="checkbox"/> Loan Insurance	2. Status of Federal Action: <input type="checkbox"/> Bid/Offer/Application <input type="checkbox"/> Initial Award <input type="checkbox"/> Post-Award	3. Report Type: <input type="checkbox"/> Initial Filing <input type="checkbox"/> Material Change For Material Change only: Year: 0 Quarter: 0 Date of Last Report:
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier, if known: 0 Name: Address: City: State: Zip Code + 4: - Congressional District, if known:	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: Name: Address: City: State: Zip Code + 4: - Congressional District, if known:	
6. Federal Department/Agency:	7. Federal Program Name/Description: CFDA Number, if applicable:	
8. Federal Action Number, if known:	9. Award Amount, if known: \$0	
10. a. Name of Lobbying Registrant (if individual, last name, first name, MI): Address: City: State: Zip Code + 4: -	b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI): Address: City: State: Zip Code + 4: -	
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Name: Dr. Nancy S. Grasmick Title: State Superintendent of Schools Applicant: Maryland State Department of Education Date: 09/19/2009	
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements.

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal Loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form - LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Statement for Loan Guarantees and Loan Insurance.

The undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions. Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

APPLICANT'S ORGANIZATION

Maryland State Department of Education

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Prefix: Dr. First Name: Nancy Middle Name: S

Last Name: Grasmick Suffix:

Title: State Superintendent of Schools

Signature: _____

Date:

09/19/2009

**SUPPLEMENTAL INFORMATION
REQUIRED FOR
DEPARTMENT OF EDUCATION GRANTS**

1. Project Director:

Prefix:	* First Name:	Middle Name:	* Last Name:	Suffix:
Dr.	Leslie		Wilson	

Address:

* Street1:	200 W. Baltimore Street
Street2:	
* City:	Baltimore
County:	Baltimore City
* State:	MD* Zip / Postal Code: 21201 * Country: USA

* Phone Number (give area code)	Fax Number (give area code)
(410)767-0090	(410)333-0257

Email Address:

LWILSON@MSDE.STATE.MD.US

2. Applicant Experience

Novice Applicant Yes No Not applicable

3. Human Subjects Research

Are any research activities involving human subjects planned at any time during the proposed project period?

Yes No

Are ALL the research activities proposed designated to be exempt from the regulations?

Yes Provide Exemption(s) #:

No Provide Assurance #, if available:

Please attach an explanation Narrative:

Attachment:

Title :
File :

Project Narrative

Project Narrative - Project Abstract

Attachment 1:

Title: MLDS Project Abstract Pages: 1 Uploaded File: C:\Documents and Settings\mszczepaniak\Desktop\MLDS Grant 2010\MLDS Project Abstract.doc

Project Abstract Maryland's P-20/Workforce Longitudinal Data System

Description of Project

With Maryland's P-12 Longitudinal Data System underway, the state's education leaders are turning their attention to the development and implementation of the extension of that system into postsecondary education and the workforce. In the summer of 2009, at the request of the Governor, a workgroup with broad representation from higher education, including the Maryland State Department of Education (MSDE) University System of Maryland (USM), the Maryland Higher Education Commission (MHEC) and others representing private universities and community colleges was charged with creating a proposal for a P-20 system design. The workgroup identified key policy questions and set about defining the data and system requirements to respond them along with a governance structure.

Since that time, the state's workforce system has been included in the P-20 system design and a detailed evaluation of each contributing data system has been completed. This proposal is a result of the collaborative effort of these groups and requests support for the development required to address these identified needs to meet requirements of a P-20/Workforce Longitudinal Data System.

The project goals are first and foremost to establish a P-20/Workforce Longitudinal Data Center warehouse, meeting the specifications set out in federal and state guidelines that will answer Maryland's identified policy questions. To that end, the three components contributing data to the system require some further development to their data collections and data systems in order to realize this overall goal. The work is mainly focused on the postsecondary and workforce components.

Expected Outcomes

As a result of this project Maryland expects to:

- Develop and establish a data warehouse to house P-20 and link to workforce LDS data sets, including implementation of a set of procedures and policies to oversee, safeguard, and maintain the P-20 and workforce warehouse
- Create high quality, responsive data products to educators of all levels, government agencies, parents, students and others
- Develop a data submission system and institution web portal for higher education institutions as well as a postsecondary system that supports the linkage and interoperability to the P-12 and workforce data systems
- Upload or link workforce data into the P-20 LDS data warehouse and establish with workforce agencies in other states and with the federal government MOUs for data sharing from those agencies to Maryland data systems
- Plan and implement P-12 teacher effectiveness data collection and reporting capabilities, and link databases for student-level data for special education, early childhood and career/technology to the P-12 LDS

Full funding and successful completion of the proposed project will provide Maryland with a P-20/Workforce Longitudinal Data System that meets the system elements and capabilities listed in the RFA and specifically addressed in Appendix C of this proposal.

Project Narrative

Project Narrative - Project Narrative

Attachment 1:

Title: **MLDS Project Narrative** Pages: **23** Uploaded File: **C:\Documents and Settings\mszczepaniak\Desktop\MLDS Grant 2010\MLDS Project Narrative.doc**

Project Narrative

(a) Need for Project

The Maryland State Department of Education, in collaboration with the University System of Maryland, Maryland Higher Education Commission, and The Jacob France Institute (JFI) of the University of Baltimore request a total of **\$13,056,853** to complete the design, development, and implementation of a P-20/Workforce statewide longitudinal data system inclusive of all required capabilities and elements defined by the Data Quality Campaign and the America Competes Act.

For many years, pre-dating the No Child Left Behind Act, the Maryland State Department of Education (MSDE) has had an accountability and assessment system and a culture of using data to inform decision-making; at the classroom level, system level, Board of Education level, and legislative-policy level. This culture required Maryland to assume a progressive stance in the collection, validation, and reporting of individual student data, prior to the establishment of methodologies to develop longitudinal data systems.

Maryland established its first P-12 Educational Data Warehouse (EDW) in 1999 and that warehouse has been the source of most of Maryland's EDEN/EdFacts files. The Maryland Higher Education Commission (MHEC) established its first postsecondary system for students attending Maryland Institutions of Higher Education in 1977. The Jacob France Institute (JFI), partnered with the Maryland Department of Labor, Licensing, and Regulation (DLLR), to maintain and use a multi-faceted longitudinal database of confidential workforce administrative records in 1991, which led to a multi-state Administrative Data Research and Evaluation (ADARE) initiative. Today, Maryland continues to strive to achieve the seventeen capabilities and elements for state data systems defined in the Request for Applications (RFA) for this grant program that represent the ten state actions to ensure data use established by the Data Quality Campaign, and the twelve components of the America Competes Act. **Appendix A** contains a schematic description of MSDE's P-12 longitudinal data system.

The requirements for states to establish eligibility to receive State Fiscal Stabilization Funds (SFSF) and to apply for Race to the Top funds (RTTT) underscore more than ever the commitment on the part of the Department of Education to support states' efforts to develop efficient longitudinal data systems. These systems are needed to supply schools with linked historical data on student performance and to provide schools and teachers with data to improve student achievement and student preparation for postsecondary education and the workforce. The systems will also supply states and policy makers with data to use when making key decisions and defining new policies. In addition, states require state-of-the-art data warehouses and reporting mechanisms to meet the reporting challenges of EdFacts and SFSF requirements.

Maryland's P-20 Longitudinal Data System (LDS) has been designed specifically to inform decision-making at a variety of levels (state, school system, individual schools, and institutions of higher education) in order to ensure student success. The State Superintendent of Schools has collaborated with a variety of stakeholders (State Board of Education, Governor's Commission, Maryland General Assembly, Maryland Higher Education Commission, the Chancellor of the University System of Maryland, and the Department of Labor and Licensing and

Regulation/Jacob France Institute (with partnerships with the District of Columbia and New Jersey), and is highlighting the increased capacity Maryland will have to improve P-20 student achievement, make data-driven decisions, and monitor the success of policies and programs. There is keen interest in data that will inform Maryland policies to address challenges such as dropouts, truancy, the achievement gap, predictors of success in high school, postsecondary school and the workforce, identification of successful interventions, class size, middle school course requirements, teacher training, certification and retention. Maryland stakeholders have drafted a document outlining the major P-20 policy questions of interest and the data elements that are required to respond to those questions. These questions are driving the design of the P-20 data system. This document is located in **Appendix A**.

The stakeholders have also developed a plan for a Maryland P-20 and workforce model that includes a longitudinal warehouse that will house student data required to address these questions. The model is presented graphically in **Appendix A**. It is the implementation of this plan that serves as the backbone of the current proposal and defines the work that also must be completed by the agencies identified in the model. **Appendix A** also includes a collaborative opinion on FERPA and the confidentiality of student data in the proposed model by the Attorneys General who represent the agencies. Finally, Maryland's State Superintendent of Schools is working with the institutions of Higher Education to develop rigorous and clear definitions of college and work-ready criteria which will be reflected in all future work and research. The final documents related to this effort will be available in the first quarter of 2010.

Maryland is using a combination of state and federal funding to modernize its current P-12 educational data infrastructure (people, processes and technologies). Additionally, P-12 in Maryland has recently increased the capacity of its systems to automate the collection and validation of additional data to meet the expectations of its stakeholders who require more information to inform their decision-making process. Current funding will also be utilized to accelerate the ability to meet the demands of stakeholders for timelier reporting and advanced analysis of their own data, with tools and processes which they directly control. The stakeholders include participants at all levels: state, district and school (both P-12 as well as institutions of higher education.) The current proposal, if funded, will round out the P-12 system to include the linking of teacher and student data and integration of key program data into the LDS.

The Maryland Higher Education Commission (MHEC) is proposing to expand and upgrade its postsecondary longitudinal data system and the acquisition of postsecondary longitudinal data. It will provide a system that is viable for the future, extensible for growth, meet foreseeable future state longitudinal data needs and provide data for federal reporting. The need to upgrade the postsecondary system is a vital part of the proposed Maryland P-20/Workforce Longitudinal Data System to provide the postsecondary-level student information for a statewide system. The expansion will directly support the capability to develop a system that includes student-level data from pre-school through postsecondary and into the workforce. This will be accomplished by providing the linking ability from the P-12 unique student identifier to the social security number identifier used by the Maryland postsecondary system.

The current postsecondary system is based on legacy 1980s technology which runs on a mid-range platform that is obsolete and is becoming difficult to maintain and expand to support the

proposed P-20 system and anticipated future data requirements. MHEC, in conjunction with postsecondary system segments, developed their system in 1977; the system currently has over 30 years of student-level data. The current system has limited access tools, is difficult for researchers to use, and extract data for either postsecondary analysis or for transition to the proposed P-20 system. The system will be expanded to meet the educational metrics requiring postsecondary data for State Fiscal Stabilization Fund Assurances. Under the State's P-20/Workforce plan, the expanded system will provide the key for linkage between the P-12 unique student identifier and SSN, providing the bridge into postsecondary and workforce data.

Current SLDS System

P-12 Requirements. Maryland's current P-12 system consists of many of the required individual student data collections required of P-12 systems by the America Competes Act. The data have been collected with the state unique student ID since the 2007-2008 school year. Maryland's most recent IES grant funds the re-engineering of the data warehouse to store linked individual student longitudinal data records. The RFQ for this work is pending release by the end of 2009.

The system has the following data requirements completed (data collected with unique ID):

- Yearly test records of individual students with respect to assessments under section 1111 (b) of the Elementary and Secondary Education Act of 1965;
- Information on students not tested, by grade and subject, as well as the reason for students not tested;
- Student-level college readiness test scores.

Currently, all data linking using the unique ID is done manually until the data warehouse is re-engineered to link and store student data across years and data collections. An RFQ, made possible through funding by the Institute of Education Sciences (IES), will soon be issued for a vendor to complete the re-engineering. Maryland expects this phase to be completed in early 2011, depending on when the contract is awarded.

- *Student level transcript information, including information on courses completed and grades earned.*

The same IES funding supports a second RFQ for development of a state-wide course coding system for Maryland based on the SCED classification. Maryland's 24 school systems will participate in an alignment of course content resulting in this system. The initial vendor will use that system to develop a data collection that will include courses completed and grades earned for all students, elementary through high school. It is expected that the state will have the necessary enhancements to its data warehouse completed and be able to begin that data collection from local school systems in the fall of 2011. This will address the system requirement and provide Maryland with four of the five P-12 requirements as listed in the RFA.

- *A teacher identifier system with the ability to match teachers to students.*
This application requests funding to accelerate the completion of this phase of requirements by developing a data collection process that will match teachers to students

using the teacher and student ID. The teacher ID system is being implemented by summer 2010, funded by state resources.

P-12 and Postsecondary Requirements. Maryland's current P-12 and postsecondary systems meet four of the five listed criteria, and include the following *individual student* data (requirement completed, data collected):

- Unique statewide ID that does not allow a student to be identified by users of the system (except as allowed by Federal and State law) – assigned to all P-12 students as of the 2007-2008 school year;
- Enrollment, demographic, and program participation information;
- Information about the points at which students exit, transfer in, transfer out, or complete P-16 education programs. The P-12 system includes cohorts to report the new four-year cohort graduation rate beginning in the 2011 school year;
- A State data audit system assessing data quality, validity, and reliability;
- The capacity to communicate with higher education data systems. This application requests funding to accelerate the completion of this section of requirements by adding the fifth and final requirement, the capacity to communicate with higher education data systems through implementation of the Maryland P-20 Model developed in collaboration with P-12, higher education, and workforce agencies.

Postsecondary Requirements. Maryland's current postsecondary system includes:

- Data that provide information regarding the extent to which students transition successfully from secondary school to postsecondary institutions, including whether students enroll in remedial coursework
- Data that provide other information determined necessary to address alignment and adequate preparation for success in postsecondary education

The system includes individual student data on enrollment, drop-outs and transfers, credits registered for full or part-time status, remedial courses taken, degrees awarded, cumulative GPA, etc. As outlined later in this proposal, additional elements will be added, when needed, to address the policy questions identified.

A further illustration of Maryland's status on each of the 12 elements can be found in **Appendix C**. **Appendix A** contains a detailed schematic of the P-12 system which is coded by components that are funded and underway and those that are not.

Maryland is seeking funding to accelerate the development of the remaining components of its longitudinal data system, the most important of which is the extension and interoperability of the P-12 system to P-20 and the workforce. To round out the system, additional data collections and alignment will be added, and the P-12 system will be further integrated with program data. This funding will augment other state and federal resources being allocated for other components of the system. As a state with a history of using data to make important policy decisions, from the classroom level to the legislature, Maryland requests these resources to provide educators and policy-makers with additional meaningful data with which to continually improve the education of Maryland's students and to meet federal compliance requirements. Maryland educators look forward to using the upgraded data system to supply additional information concerning the

success of the alignment efforts taking place between the P-12, postsecondary, and workforce levels, and the success of initiatives intended to ensure student success at every level of their education career and into the workforce. At the same time, the new system capabilities will enable Maryland to meet the Assurances of the State Fiscal Stabilization Fund.

(b) Project Outcomes Related to System Requirements and Implementation

This grant request will accelerate and further the advances that Maryland has made in establishing a culture that uses data not only for compliance but also for the improvement of student achievement to ensure our citizens are well prepared for college and a career. Longitudinal data systems are powerful tools to increase the efficiency and effectiveness of solutions that improve student performance and close gaps among disaggregated groups of students. By increasing and simplifying access to those tools, expanding the understanding of how to use them, and formulating and answering the fundamental questions that drive desired improvements, MSDE and its partners seek to engage researchers, policy-makers, program managers, superintendents, administrators, teachers, teacher educators, and the public in the improvement efforts.

The Maryland P-20 LDS Center will be created to warehouse the P-20 LDS data that will be “rolled-up” from state agencies’ existing and planned data collections. Legislation will be introduced during the next session of the Maryland General Assembly in January 2010 which will authorize the creation of the Center for the purpose of sharing data for research on educational program improvement and evaluation of educational programs through this Center. This legislative mandate will also establish a governance structure for the Center. A governing board, led by the Secretary of Higher Education, State Superintendent of Schools, and the Secretary of the Department of Labor, Licensing and Regulation will include additional State leaders and research professionals. An RFQ process will be implemented to determine the specific location of this Center in Maryland, as well as funding to sustain it once implemented. The P-20 LDS Center architecture will be scalable and flexible. Additional data components such as Health and Human Services, Corrections, etc. will be added as needed.

This Center will be the capstone for a system that will establish data flows from the State Education Agency (MSDE), the State Higher Education Commission (MHEC) and the State Labor, Licensing, and Regulation Agency (DLLR). The Center will serve as a central repository of the data in the LDS. The establishment of the Center will accomplish two key outcomes:

Outcome 1: Develop and establish a data warehouse and reporting system to house the P-20 data sets and link to workforce LDS data sets, as well as procedures and policies to oversee, safeguard, and maintain the warehouse

In order to specifically address the first two required data system capabilities discussed in the RFA, an independent data warehouse will be created that receives and stores the necessary LDS data from each of the agency data systems. This new data warehouse and an efficient upload system to transmit data to the warehouse will be developed and managed in cooperation with the participating state agencies. In addition, supplementary systems will be developed. These will include: data architecture including a data model and a data dictionary, a system of quality