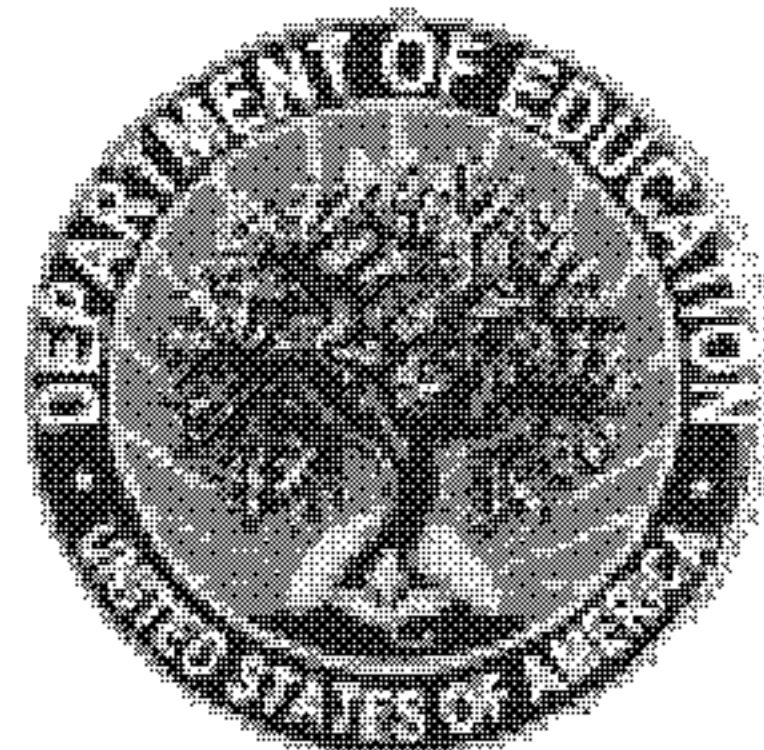


U.S. Department of Education

Washington, D.C. 20202-5335



APPLICATION FOR GRANTS UNDER THE

**STATEWIDE LONGITUDINAL DATA SYSTEM RECOVERY ACT GRANTS
CFDA # 84.384A
PR/Award # R384A100026**

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:
12/3/2009	

5a. Federal Entity Identifier:	* 5b. Federal Award Identifier:
	NA

State Use Only:

6. Date Received by State:	7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: Montana Office of Public Instruction

* b. Employer/Taxpayer Identification Number (EIN/TIN):	* c. Organizational DUNS:
810302402	809588700

d. Address:

* Street1:	1227 11th Avenue
Street2:	
* City:	Helena
County:	Lewis & Clark
State:	MT
Province:	
* Country:	USA
* Zip / Postal Code:	59620

e. Organizational Unit:

Department Name:	Division Name:
Montana Office of Public Instruction	Office of the State Superintendent

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

Prefix:	Ms.	* First Name:	Madalyn
Middle Name:	J		

* Last Name: Quinlan

Suffix:

Title: Chief of Staff

Organizational Affiliation:

Montana Office of Public Instruction

* Telephone
Number:

(406)444-3168

Fax Number:

(406)444-2893

* Email: MQUINLAN@MT.GOV

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 System Recovery Act Grants

13. Competition Identification Number:

384A2009-1

Title:

Statewide Longitudinal Data System Recovery Act Grants

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

State of Montana

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

Montana P-20 Data Linkages: Building the Capacity to Communicate

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: MT-all

* b. Program/Project: MT-all

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

Attachment:

Title :

File :

17. Proposed Project:

* a. Start Date: 7/1/2010

* b. End Date: 6/30/2013

18. Estimated Funding (\$):

a. Federal	\$ 8733492
b. Applicant	\$ 0
c. State	\$
d. Local	\$
e. Other	\$
f. Program Income	\$
g. TOTAL	\$ 8733492

*** 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 .

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: Ms. * First Name: Denise

Middle Name:

* Last Name: Juneau

Suffix:

Title: Superintendent of Public Instruction

* Telephone Number: (406)444-5658 Fax Number: (406)444-2893

* Email: OPISUPT@MT.GOV

* 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:
Montana Office of Public Instruc...

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

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	\$ 664,584	\$ 733,512	\$ 752,440	\$ 0	\$ 0	\$ 2,150,536
2. Fringe Benefits	\$ 206,264	\$ 231,805	\$ 242,372	\$ 0	\$ 0	\$ 680,441
3. Travel	\$ 3,653	\$ 3,653	\$ 6,278	\$ 0	\$ 0	\$ 13,584
4. Equipment	\$ 35,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 35,000
5. Supplies	\$ 38,000	\$ 38,000	\$ 38,000	\$ 0	\$ 0	\$ 114,000
6. Contractual	\$ 1,225,633	\$ 2,490,614	\$ 634,013	\$ 0	\$ 0	\$ 4,350,260
7. Construction	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
8. Other	\$ 294,050	\$ 292,150	\$ 149,650	\$ 0	\$ 0	\$ 735,850
9. Total Direct Costs (lines 1-8)	\$ 2,467,184	\$ 3,789,734	\$ 1,822,753	\$ 0	\$ 0	\$ 8,079,671
10. Indirect Costs*	\$ 223,938	\$ 238,201	\$ 191,682	\$ 0	\$ 0	\$ 653,821
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 2,691,122	\$ 4,027,935	\$ 2,014,435	\$ 0	\$ 0	\$ 8,733,492

***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

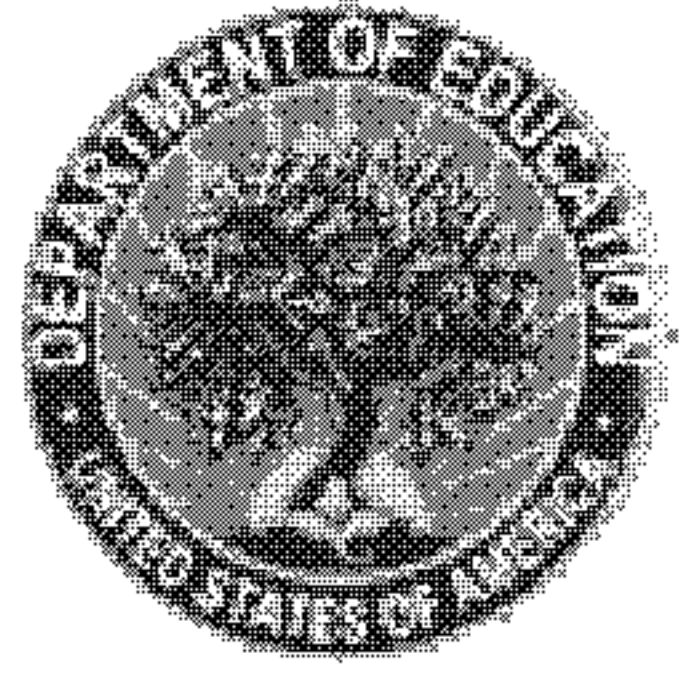
(2) If yes, please provide the following information:

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

Approving Federal agency: ED Other (please specify): _____ The Indirect Cost Rate is 16.3%

(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:
 Montana Office of Public Instruc...

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	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
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)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
10. Indirect Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

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: Denise Juneau

Title: Superintendent of Public Instruction

Date Submitted: 12/03/2009

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 checked="" 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 checked="" 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 checked="" 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: Denise Juneau Title: Superintendent of Public Instruction Applicant: Montana Office of Public Instruction Date: 12/02/2009	
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

Montana Office of Public Instruction

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Prefix: First Name: Denise Middle Name:
Last Name: Juneau Suffix:
Title: Superintendent of Public Instruction

Signature: _____ Date: 12/03/2009

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

1. Project Director:

Prefix: * First Name: Middle Name: * Last Name: Suffix:
Ms. Madalyn Quinlan

Address:

* Street1: 1227 11th Avenue
Street2:
* City: Helena
County: Lewis & Clark
* State: MT* Zip / Postal Code: 59620 * Country: USA

* Phone Number (give area Fax Number (give area
code) code)
(406)444-3168 (406)444-2893

Email Address:

MQUINLAN@MT.GOV

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: **Project Abstract Pages: 1** Uploaded File: **S:\Data Warehouse\IES Longitudinal Grant Appl\2009 Grant Application\Application & Forms Submittal\Project Abstract.pdf**

Project Abstract

Project Title: Montana P-20 Data Linkages: Building the Capacity to Communicate

The Montana Office of Public Instruction (OPI), in partnership with the Office of the Commissioner of Higher Education, the Department of Public Health and Human Services, and the Department of Labor and Industry, requests \$8,733,492 of IES assistance to establish a P-20 longitudinal data system, including the policy and technological foundations for the system.

This grant proposal includes five Project Outcomes:

- (1) establishing data linkages among state agency partners to connect from early childhood to K-12 to postsecondary and the workforce;
- (2) creating an electronic student transcript repository for K-12 education;
- (3) creating a data governance structure for P-20;
- (4) implementing business intelligence and web reporting tools for users of P-20 data; and
- (5) developing a system of P-20 performance measurement and reporting.

In developing this grant application, Montana has reviewed the data system capabilities and elements required for Statewide Longitudinal Data Systems. The focus of this grant proposal is to address data linkages among early childhood programs, K-12, postsecondary institutions and the workforce development services. Specifically, this request is intended to address Montana's remaining five required data system elements for which the state has not yet secured resources:

- the capacity to communicate with higher education data systems;
- student-level transcript information, including information on courses completed and grades earned;
- student-level college readiness test scores;
- information regarding the extent to which students transition successfully from secondary school to postsecondary education, including whether students enroll in remedial coursework; and
- other information determined necessary to address alignment and adequate preparation for success in postsecondary education.

The proposed project outcomes address all of the seven data system capabilities required by the IES grant program. The major activities of the grant include identifying the methods for matching student-level data across the data systems of the state agency partners in a manner that maintains confidentiality and protects individual privacy. With resources from this grant, Montana proposes to create an electronic student transcript repository for storing information about student course-taking and course completion. A transcript will be generated for every student at the end of every grade. An Interagency P-20 Data Governance Workgroup will be established to create a data governance structure with supporting policies and procedures. OPI and its partnering agencies will use business intelligence tools and web reporting to improve user access to valid and reliable data from a P-20 data warehouse. A primary use of the reporting tools will be to report on performance measures identified by education policymakers and the legislature through an interim legislative committee process that is currently underway. In addition, OPI and stakeholder groups will collaborate to develop additional performance indicators connecting early childhood programs and K-12 education.

Project Narrative

Project Narrative - Project Narrative

Attachment 1:

Title: **Project Narrative** Pages: **28** Uploaded File: **S:\Data Warehouse\IES Longitudinal Grant Appl\2009 Grant Application\Application & Forms Submittal\Project Narrative.pdf**

**MONTANA P-20 DATA LINKAGES:
BUILDING THE CAPACITY TO COMMUNICATE**

Project Narrative

(a) Need for Project

The Montana Office of Public Instruction (OPI), in partnership with the Office of the Commissioner of Higher Education (OCHE), the Department of Public Health and Human Services (DPHHS), and the Department of Labor and Industry (DLI), requests \$8,733,492 of IES assistance to establish a P-20 longitudinal data system, including the policy and technological foundations for the system. OPI will do this by (1) establishing data linkages among state agency partners to connect from early childhood to K-12 to postsecondary and the workforce; (2) creating an electronic student transcript repository for K-12 education; (3) creating a data governance structure for P-20; (4) implementing business intelligence and web reporting tools for users of P-20 data; and (5) developing a system of P-20 performance measurement and reporting.

The mission of OPI is "to provide the vision, advocacy, support, and leadership for schools and communities to ensure that all students meet today's challenges and tomorrow's opportunities."

The agency is currently pursuing five key strategic directions, which include:

1. Ensure that every child begins school and graduates with the knowledge and skills necessary for success in the 21st century global society by strengthening Montana education from preschool through college and the workforce.
2. Improve student achievement in struggling schools by providing leadership for school turnaround efforts across the state.
3. Provide current and accurate educational information to the state, school districts, and communities to promote data-driven policy decisions and assist in improving teaching and learning.
4. Improve school-community relationships and student performance through the development and implementation of a comprehensive communication plan.
5. Provide systematic training opportunities and focused staff development for OPI staff to support their work and ensure quality customer service.

Of the five strategic directions of the agency, this grant will directly assist OPI with strategic direction 3: *Provide current and accurate educational information to the state, school districts, and communities to promote data-driven policy decisions and assist in improving teaching and learning.* By improving the quality and accessibility of education information, the OPI and its partners will make progress toward achieving all of its strategic directions.

Status and Limitations of the Current System

The data system elements required by the USED for this grant competition are the same 12 elements required by the State Fiscal Stabilization Fund for a statewide P-16 education data system. These elements are described in section 6401(e) (2) (D) of the America COMPETES Act. The 12 elements are shown in the table below. The checked items indicate elements that have been implemented in Montana.

<p>(i) Preschool through grade 12 education and postsecondary education</p> <p>With respect to preschool through grade 12 education and postsecondary education--</p>	<ul style="list-style-type: none"> ✓ a unique statewide student identifier that does not permit a student to be individually identified by users of the system; ✓ student-level enrollment, demographic, and program participation information; ✓ student-level information about the points at which students exit, transfer in, transfer out, drop out, or complete P-16 education programs; • the capacity to communicate with higher education data systems; and ✓ a state data audit system assessing data quality, validity, and reliability.
<p>(ii) Preschool through grade 12 education</p> <p>With respect to preschool through grade 12 education--</p>	<ul style="list-style-type: none"> ✓ 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; • a teacher identifier system with the ability to match teachers to students; • student-level transcript information, including information on courses completed and grades earned; and • student-level college readiness test scores.
<p>(iii) Postsecondary education</p> <p>With respect to postsecondary education, data that provide--</p>	<ul style="list-style-type: none"> • information regarding the extent to which students transition successfully from secondary school to postsecondary education, including whether students enroll in remedial coursework; and • other information determined necessary to address alignment and adequate preparation for success in postsecondary education.

The OPI implemented a statewide student information system, AIM (Achievement in Montana) in the 2006-07 school year. At the first point of contact with the public school system, OPI assigns each student a unique statewide student identifier that does not permit a student to be individually identified by users of the system. Using AIM, OPI collects student-level enrollment, demographic, and program participation information. Student-level information

about the points at which students exit, transfer in, transfer out, drop out, or complete P-12 education programs is maintained in AIM. The Board of Regents of Higher Education has adopted a policy requiring all Montana high school transcripts sent to the Montana University System to include the K-12 statewide student ID. Within OPI's production data systems, the agency stores the yearly test records of individual students with respect to assessments and information on students not tested by grade and subject. The OPI also has a basic data audit system assessing data quality, validity, and reliability within the AIM system.

Of the six data system elements that Montana has not yet achieved, the OPI has already secured state funding for the teacher identifier system with the ability to match teachers to students. The Montana legislature has provided state general fund dollars to build a school staffing module, which will link data from teacher education programs at the institutions of higher education within Montana to the OPI data systems for educator licensure and for reporting school district teaching assignments. As part of its system development, the OPI will implement the NCES Secondary School Course Classification System. In addition, the OPI will, for the first time, collect data on salaries and benefits for K-12 educators employed in the public school system by creating linkages with the state Teachers Retirement System. The new school staffing module will allow the state to collect information at the individual teacher and staff level and use that data to report on teacher preparation, qualifications, and effectiveness; to monitor the supply and demand for educators; and to evaluate incentives implemented by the State of Montana to recruit and retain qualified educators in critical shortage areas identified by the state. This new data system module is expected to be brought on line for the 2011-12 school year.

In March 2009, the Montana Office of Public Instruction was awarded an IES Statewide Longitudinal Data Systems grant for the development of a K-12 Data Warehouse and the implementation of a Data Governance structure within the OPI. In the first year of the grant, which began in July, the OPI is developing an Enterprise-wide Data Architecture and developing the Data Governance structure. Ultimately, the grant funding will facilitate the migration of data within OPI's numerous legacy systems to the new K-12 data warehouse and provide resources for OPI to implement business intelligence tools for use by a broad community of users.

The focus of this new grant proposal is to address the data linkages among early childhood programs, K-12, postsecondary institutions and the workforce development services. Specifically, this request is intended to address Montana's remaining five required data system elements:

- the capacity to communicate with higher education data systems;
- student-level transcript information, including information on courses completed and grades earned;
- student-level college readiness test scores;
- information regarding the extent to which students transition successfully from secondary school to postsecondary education, including whether students enroll in remedial coursework; and
- other information determined necessary to address alignment and adequate preparation for success in postsecondary education.

As stated in the request for applications under this grant program, to be considered for grant funding the state longitudinal data system (SLDS) must have the following seven capabilities:

- Enable states to examine student progress and outcomes over time, including student's preparation to meet the demands of postsecondary education, the 21st century workforce, and the Armed Forces
- Facilitate and enable the exchange of data among agencies so that data may be used to inform policy and practice
- Link student data with teachers and enable the matching of teachers and students so that a given student may be matched with the particular teachers primarily responsible for providing instruction in various subjects
- Enable the matching of teachers with information about their certification and teacher preparation programs
- Enable data to be easily generated for continuous improvement and decision-making, including timely reporting to parents, teachers and school leaders on achievement of their students
- Ensure the quality and integrity of the data contained in the system
- Provide the state with the ability to meet the reporting requirements for the USED, especially for the State Fiscal Stabilization Funds and *EDFacts*.

For each objective in this grant proposal, the narrative includes a statement about which data system capabilities and elements are addressed by the objective.

In writing this grant proposal, the OPI is joined by its partners in the Office of the Commissioner of Higher Education, the Department of Public Health and Human Services, and the Department of Labor and Industry. Our inter-agency discussions have re-enforced what many of us already know, which is that the "capacity to communicate" is about much more than technological solutions. The capacity to communicate must be supported by shared policies, procedures, and agreements. As result, this grant application is heavily focused on the interagency Data Governance structure and supports that the agencies will need to successfully link data across information systems. The ultimate goal is to build secure information systems for the purpose of improving outcomes for Montanans while protecting the privacy of our citizens.

Each of the partners in this grant has invested substantial resources in the development of information systems to meet their programmatic needs. In addition to the system developments described above for K-12, a brief description follows of the data system developments underway for the other state agency partners.

Office of Commissioner of Higher Education: The Montana University System (MUS) maintains a student unit record-level, longitudinal data warehouse. The warehouse contains enrollment, course information, and graduation data of students enrolled in postsecondary education in Montana. This rich set of data includes student demographics, assessment outcomes, course grades and instructors, as well as the ability to track transfers between MUS institutions, and the ability to track cohorts of students over time. The Office of the Commissioner of Higher Education maintains the warehouse and supplies the campuses with reporting and analysis tools. The Montana Board of Regents utilizes this information system to assess critical performance indicators and key measures within its strategic plan. The warehouse includes data from 2001 forward and is supported by two full-time FTE. The MUS has also

developed a data sharing agreement with the Montana Department of Labor and Industry that enables the agencies to track the workforce outcomes of MUS graduates. A Memorandum of Understanding with the Department of Labor and Industry has been in place since 2007 and provides the MUS with access to historical and current Unemployment Insurance (UI) wage records. Because of this linkage with UI data, the MUS has been able to analyze the percentage of graduates that find employment in Montana, the level of wages they command, and the industries employing them.

Department of Public Health and Human Services:

The Department of Public Health and Human Services is taking measured steps to move safety net eligibility programs from mainframe legacy systems to web-based, rules-engine models. The new Combined Healthcare Initiative and Montana Eligibility System (CHIMES) encompasses information systems for Medicaid, Supplemental Nutrition Assistance Program (SNAP)¹, and Temporary Assistance to Needy Families (TANF). The CHIMES-Medicaid web-based system was successfully implemented in October 2009. The design phase for CHIMES-SNAP and CHIMES-TANF is underway with implementation slated for October 2011. The three programs will be independent but linked for end-users through enterprise architecture, service-oriented rules-governed data sharing, and a common client index. Web portals will ease interfaces and access with partner agencies. The Childcare Under the Big Sky (CCUBS) Early Childhood web-based system has interfaces with TANF and Child Protective Services (CAPS), manages eligibility and payments for child care services, manages contract and payments with providers for many contract types, and manages child care licensing data. The CCUBS system tracks all children who are affiliated with receiving scholarships for child care and can reference families as well. Children can also be linked to provider types and locations. A diagram of the relationships among the Early Childcare Programs is included in Appendix A.

Department of Labor and Industry: MontanaWorks is an Oracle-based database. The system contains employer, job, and job seeker information. MontanaWorks also includes Workforce Investment Act (WIA) training, Trade Assistance Act training, American Recovery and Reinvestment Act of 2009 (ARRA) training and numerous other state and federal training programs. State apprenticeship data will be added to MontanaWorks soon.

Montana's Unemployment Insurance (UI) system is an Oracle platform with attached imaging and workflow capabilities. UI information provides wage data which can be identified by occupation and industry thus making this data useful for linking educational and workforce skills training to wage and benefit outcomes over a worker's lifetime.

(b) Project Outcomes

This grant proposal is designed to meet five project objectives:

- (1) Establish data linkages among state agency partners to connect from early childhood to K-12 to postsecondary, job training and apprenticeships and the workforce;

¹ The Supplemental Nutrition Assistance Program (SNAP) provides a basic safety net to millions of people by providing monthly benefits to eligible low-income families which can be used to purchase food.

