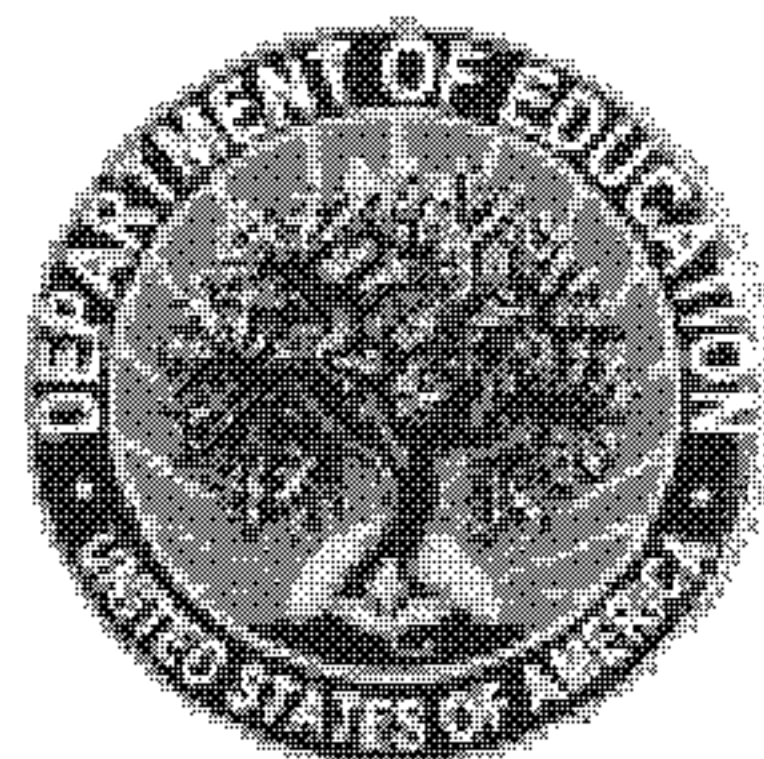


U.S. Department of Education

Washington, D.C. 20202-5335



APPLICATION FOR GRANTS UNDER THE

**STATEWIDE LONGITUDINAL DATA SYSTEM RECOVERY ACT GRANTS
CFDA # 84.384A
PR/Award # R384A100023**

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:
12/4/2009	

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: Wyoming Department of Education

* b. Employer/Taxpayer Identification Number (EIN/TIN):	* c. Organizational DUNS:
830208667	809872336

d. Address:

* Street1:	2300 Capitol Avenue
Street2:	Hathaway Building, 2nd Floor
* City:	Cheyenne
County:	Laramie
State:	WY
Province:	
* Country:	USA
* Zip / Postal Code:	82002

e. Organizational Unit:

Department Name:	Division Name:
	Information, Data and Technical Services

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

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

* Last Name: Bickell

Suffix:

Title: Information, Data and Technical Services Supervisor

Organizational Affiliation:

Wyoming Department of Education

* Telephone Number: (307)286-0419 Fax Number: (307)777-6234

* Email: MBICKE@EDUC.STATE.WY.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:

GRANTS FOR STATEWIDE, LONGITUDINAL DATA SYSTEMS UNDER THE AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009

13. Competition Identification Number:

84-384A2009-1

Title:

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

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

Wyoming's Enterprise Education Information System (LDW19) Project

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: WY-001

* b. Program/Project: WY-001

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: 12/31/2013

18. Estimated Funding (\$):

a. Federal	\$ 13183951
b. Applicant	\$ 0
c. State	\$ 3907410
d. Local	\$ 0
e. Other	\$ 0
f. Program Income	\$ 0
g. TOTAL	\$ 17091361

*** 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 9/11/2009.

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: Ms. * First Name: Meredith
Middle Name: J
* Last Name: Bickell
Suffix:

Title: Information, Data and Technical Services Supervisor

* Telephone Number: (307)286-0419 Fax Number: (307)777-6234

* Email: MBICKE@EDUC.STATE.WY.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:
Wyoming Department of Education

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	\$ 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	\$ 7,430,000	\$ 2,751,000	\$ 2,106,000	\$ 0	\$ 0	\$ 12,287,000
7. Construction	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
8. Other	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
9. Total Direct Costs (lines 1-8)	\$ 7,430,000	\$ 2,751,000	\$ 2,106,000	\$ 0	\$ 0	\$ 12,287,000
10. Indirect Costs*	\$ 542,390	\$ 200,823	\$ 153,738	\$ 0	\$ 0	\$ 896,951
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 7,972,390	\$ 2,951,823	\$ 2,259,738	\$ 0	\$ 0	\$ 13,183,951

***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: 7/1/2008 To: 6/30/2011 (mm/dd/yyyy)

Approving Federal agency: ED Other (please specify): _____ The Indirect Cost Rate is 0%

(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:
Wyoming Department of Education

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	\$ 123,390	\$ 123,390	\$ 123,390	\$ 0	\$ 0	\$ 370,170
2. Fringe Benefits	\$ 42,570	\$ 42,570	\$ 42,570	\$ 0	\$ 0	\$ 127,710
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	\$ 1,097,898	\$ 1,097,898	\$ 947,898	\$ 0	\$ 0	\$ 3,143,694
7. Construction	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
8. Other	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
9. Total Direct Costs (lines 1-8)	\$ 1,263,858	\$ 1,263,858	\$ 1,113,858	\$ 0	\$ 0	\$ 3,641,574
10. Indirect Costs	\$ 92,262	\$ 92,262	\$ 81,312	\$ 0	\$ 0	\$ 265,836
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 1,356,120	\$ 1,356,120	\$ 1,195,170	\$ 0	\$ 0	\$ 3,907,410

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: Meredith J Bickell

Title: IDT Services Supervisor

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 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: Meredith J Bickell Title: IDT Services Supervisor Applicant: Wyoming Department of Education Date: 12/03/2009	
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

Wyoming Department of Education

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Prefix: Ms. First Name: Meredith Middle Name:

Last Name: Bickell Suffix:

Title: IDT Services Supervisor

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. Meredith J Bickell

Address:

* Street1: 2300 Capitol Avenue
Street2: 2nd Floor
* City: Cheyenne
County: Laramie
* State: WY* Zip / Postal Code: 82002 * Country: USA

* Phone Number (give area code) Fax Number (give area code)
(307)286-0419 (307)777-6234

Email Address:

MBICKE@EDUC.STATE.WY.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: **WY-LDW19 Project Abstract Pages: 1** Uploaded File: **C:\Documents and Settings\mbicke\Desktop\WY-LDW19_ProjectAbstract.pdf**

Project Abstract

Wyoming's Enterprise Education Information System (LDW19) Project

The utilization of data is important to everyone: parents, teachers, policymakers and administrators. The driving factor behind all data collection is the concept that the data are collected and analyzed, reports are produced, and decisions affecting student learning are made based on the accuracy of the data. Wyoming's current statewide longitudinal education data system must be enhanced to meet this demand. The long-term goal for the WDE's statewide longitudinal data system is a sustainable enterprise education information system. To achieve this, Wyoming needs to fully link longitudinal student records to the postsecondary institutions, standardize and update our data collection methodology, decrease the data-reporting burden to the local school districts, expand user access for data reporting and offer tools and training for all users. The WDE's proposed system will be the unified data source empowering an information culture focused on continuous improvement. The system has been named LDW19. The "19" is a direct reflection of Wyoming's commitment to the 12 essential elements outlined in the America COMPETES Act plus the 7 required capabilities of this grant application.

Wyoming seeks grant funds to produce five desired outcomes:

1. **Creation of a longitudinal data store, operational data store, and reporting data mart derived from user needs.** Our data mart will emphasize ease of access and usability of the data held within the data store. This will increase the capacity of the WDE to distribute data, thereby further reinforcing the need for and value of the longitudinal data system.
2. **Enhancement of the intrastate data collection and reporting mechanism.** This enhancement will improve the speed and accuracy of data collections. Time burden to local school districts will be decreased and federal and public reporting will be more efficient. It will ensure security for access to data for research to improve student academic achievement and close achievement gaps.
3. **Successful deployment of a statewide assessment data analytical tool.** An assessment data analytical tool will generate information to support and justify teachers' educational decisions and will help document evidence of teaching effectiveness.
4. **Linkage between the WDE P12 data and postsecondary data sets.** The ability to link records over time and between institutions improves the quality of information used to make decisions affecting student learning. Transitions from one school to another must be analyzed to support the improvement and availability of educational services.
5. **Successful deployment of a statewide early dropout prevention data analytical tool.** The first step toward an effective dropout prevention strategy involves tracking and analyzing basic data on which students are showing early warning signs of dropping out. In-depth analysis at the individual level, as well as the community level will provide a complete picture of the challenges faced by today's students.

LDW19 will bring to fruition WDE's vision of an enterprise education information system.

Project Narrative

Project Narrative - Project Narrative

Attachment 1:

Title: **WY-LDW19 Project Narrative** Pages: **28** Uploaded File: **C:\Documents and Settings\mbicke\Desktop\WY-LDW19_ProjectNarrative.pdf**

Project Narrative
Wyoming's Enterprise Education Information System (LDW19) Project

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Need for Project

The utilization of data is important to everyone; parents, teachers, policymakers and administrators. The driving factor behind all data collection is the concept that the data are collected and analyzed, reports are produced, and the information is analyzed from which informed decisions are made. The ability for this to impact student learning rests on the back of accurate data and being able to link multiple types and sources of data to create better information to be used in making superior decisions. Wyoming's longitudinal data system has done a great job of automating the data collection and cleansing process, but must now be enhanced to meet end-user demand. The long-term goal for the Wyoming Department of Education's (WDE) statewide longitudinal data system is a sustainable enterprise education information system that supports stakeholder decisions with high-quality information. To achieve this, Wyoming needs to strengthen, expand, and enhance its information system. With grant funding, Wyoming will be able to:

- Link longitudinal student records to the postsecondary institutions and employment outcomes;
- Standardize and update data collection methodologies;
- Decrease the data reporting burden of the local school districts and postsecondary institutions;
- Expand user access for data reporting; and
- Offer tools and training for all users.

Users would extend from university chancellors to first grade students to the mother of a high school student to a seventh grade science teacher.

Our proposed enterprise education information system will be the unified data source empowering an information culture focused on continuous improvement for the Wyoming Department of Education in its evaluation and support systems, Wyoming's classrooms, schools and school districts, Wyoming's postsecondary institutions, and policymakers and the public. With funding from the Institute for Education Sciences through the American Recovery and Reinvestment Act, Wyoming will be able to partner its developing longitudinal information system with expanded participation with the Learning Exchange and Resource Network (LEARN) Consortium to be a leader in education improvement and excellence.

➤ **Summary of Current Status**

The WDE has implemented the following components for the collection, storing, and reporting of data without receiving any federal grant funding:

- The WDE data warehouse (DW3) that contains the capacity to store compliance and longitudinal data sets.

- The Wyoming Integrated Statewide Education (WISE) Data System and the Wyoming Transcript Center, which provide a secure, standard infrastructure and protocols to submit student-level data to the WDE. This infrastructure uses modern virtualized infrastructure components and the School Interoperability Framework (SIF) specification.
- The Wyoming Education Fusion portal provides a secure centralized location for access, authentication and authorization services to enable sharing resources and data back to the school districts and colleges.

The WDE desires to comply with both the letter and spirit of the America COMPETES Act. While it may appear from the November 2009 survey by the Data Quality Campaign that Wyoming is well on its way to full compliance and even ahead of a number of other states, additional efforts are critical for ultimate success and full compliance. The current tools for analyzing and reporting longitudinal data lag the industry. Resources, technical capacity, and even additional infrastructure are required to achieve the intent of the Congressional mandates.

➤ *Wyoming's Education Data System Components*

Wyoming Education Data Warehouse (DW3)

The WDE has an established operational data warehouse in place since 1989 called DW3. State funding has allowed the WDE to obtain the latest technology, both hardware and software, but has not allowed for expansion. Statewide school district staff record identifiers have been in place since the beginning. The WDE phased in statewide student record identifiers in 2005. Protocols have been established to protect personally identifiable student and staff records and to control access, authentication, and authorization.

DW3 has well-defined data elements and was established to track and report compliance data, but has been expanded to support key data elements for performance measures related to the Wyoming Public Education and Wyoming Department of Education Strategic Plan. The plan calls for the WDE and school districts to improve student performance in third grade reading proficiency and eighth grade math proficiency, and to increase attendance and graduation rates. DW3 enables the WDE to examine student progress and outcomes over time, but is limited to accredited public P12 schools and Hathaway Scholarship Program recipients. The WDE is in its infancy stages of linking student and teacher records. A small percentage of our school administrators have begun to link teacher identifiers with their specific teachers and students. Implementation of the proposed statewide longitudinal data system will allow collection and analysis of teacher certification and preparation data with student data.

Funding from the Institute for Education Sciences (IES) under the American Recovery and Reinvestment Act (ARRA) will support the development of elements for a standardized teacher evaluation system that will use student performance to contribute to an overall teacher/administrator evaluation system. Furthermore, while the WDE does have the ability to match student records between the P12 and postsecondary education systems, matching these student records is challenged by technical complexities, limits on populated fields, and systemic limits on resources and the capacity to communicate between Wyoming's P12 and higher education data systems. Although the current system technically possesses many of the key elements generating robust, useable analyses from the existing data structure, it is inefficient and labor intensive.

Wyoming Integrated Statewide Education (WISE) Data System

The WDE is its final year of implementing the WISE Data System, a system of standards and procedures set up to acquire, organize, and report education data. The primary goal of the WISE Data System is to collect, certify, and transform school district data into standardized data sets and to begin horizontal integration and vertical reporting across Wyoming's school districts for the purposes of cleaner and more reliable data. The WISE Data System uses the SIF protocol and has been focused on establishing a system for sharing and reporting data sets that are stored at local school districts in their internal software packages.

Through the WISE Data System procedures, school districts are able to create significantly more consistent and reliable data that are submitted vertically to the WDE into DW3 for statewide reporting and that are used by the districts and schools as they move core data records horizontally between their local software applications to guide continuous improvement. The second goal of the Wyoming Public Education and Wyoming Department of Education Strategic Plan is to ensure efficient and effective operations. There is a need to return data back to the districts. This return of data would avoid duplication of effort and move beyond the existing one-way vertical data path. Also in support of effective and efficient operations, the WDE will work with school districts to develop a common set of functional requirements and standards for Student Information Systems. These standards will be aligned to the data that the WDE collects.

Efforts will be made to support our Bureau of Indian Education (BIE) schools. The WDE will provide professional development for data entry and reporting. We will recommend their system to be SIF compliant in order for the WDE to support data reporting at the same level as our public schools. Our State Superintendent of Public Instruction has said many times, "I believe in these students...I believe they can achieve at the same level as all students." The goal is to allow the tracking and linkage to expand the WDE support and reporting as part of the statewide effort. The WDE believes this will require a transformation in the way all vendors and agencies participate together.

Wyoming Transcript Center (WTC)

The WTC was established in 2006 allowing for the secure transfer of electronic transcripts. Transcripts are managed by the school of ownership and all data is protected using industry leading security protocols. A district submits the raw transcript data via electronic submission to the WTC. It is then categorized and placed into a common acceptable format. It is made available to other districts via the WTC software application, and also for submission to over 300,000 recognized educational institutions within the United States. Our transcript center contributes significantly to the national effort to minimize the need to reenter data and also ease student transitions.

Schools and postsecondary institutions can quickly attend to the educational needs of the student by having access to consistent and standardized electronic transcript data. At the school level, electronic transcript data can help identify early indicators of those students not on-track to go to college. Uniform transcript data sets will enable thorough examination of students' preparation to meet the demands of postsecondary education, the highly-skilled 21st century workforce, and the Armed Forces. This data may also be used to inform policy and practice of the preparation programs.

Additional funding resources will allow expansion of the WTC. Although not yet possible, the ideal circumstance would include transfer of all student records between and among all Wyoming schools in a secure environment. Wyoming student records could be requested and transferred in a secure electronic

environment, saving time, postage and printing. A successful grant would also allow for the expansion of postsecondary data exchange and analysis for all students specifically for those not receiving the Hathaway Scholarship. The end result will be significant cost savings and improved student support. The WDE also desires to be a model and a pilot state to establish standards and protocols for the "National Electronic Transcript Center," which the WDE hopes will be part of the National Data Center.

Wyoming Education Fusion Portal

While the WISE Data System is a set of technical procedures and specifications for exchanging data, the Wyoming Education Fusion portal is the web-based interface to realize the results of those exchanges. The Fusion portal utilizes 21st-century access, authentication, authorization and security structures. The WDE's directory and identity manager is a state of the art implementation of those requirements that we all share. It is secure and maintained by the WDE. The Wyoming Education Fusion portal was established in 2008 with two purposes specific to data systems.

The first goal of the Fusion portal allows for disseminating disaggregate information securely to appropriate stakeholders. It is where education data is separated into its component parts and displayed to local stakeholders such as districts, schools, and classrooms. Access is granted through a user role matrix allowing data sets to be targeted and displayed to the correct users. Secondly, aggregate information is published for public consumption. The data is collected together from diverse sources and displayed in a useful format. Aggregate information is non-personally identifiable, and is produced for a broad group of consumers. Examples of aggregate information displayed through the Fusion portal to the public include graduation and dropout percentages.

Additional funds under this grant will support the development of "automated forms." It is our desire to aggregate data in the reporting format and configure it to comply with required reports for United States Department of Education (USDE) and other government agencies including workforce, child care, and health. An improved portal would be a major step toward providing information to educators and the public to address individual needs of students and improve teacher performance, assessment and accountability information and enrollment data.

➤ *Wyoming's Next-Generation Statewide Longitudinal Data System*

The WDE requests funding to fill in substantive gaps within the existing system and expand and improve upon the capacity of its longitudinal data system by implementing Wyoming's vision of an enterprise education information system. It will serve as the unified data source that will empower an information culture focused on continuous improvement from the student and classroom to the state legislature thus enhancing the state, the nation's workforce and community. Implementing this next-generation information system, called LDW19, will better support education and non-education stakeholders in their decision-making throughout the state, which is not otherwise possible under the existing longitudinal data warehouse.

Funding from the IES under the ARRA would enable the WDE to link through a preschool to postsecondary education pipeline and across state agencies (including workforce); ensure that that data can be accessed, analyzed and used, and communicated to all stakeholders; and build the capacity of all stakeholders to use the longitudinal data for effective decision-making. Specifically, the WDE would utilize ARRA grant funding to create an improved (a) longitudinal data store, (b) operational data store, and (c) reporting data mart that would support increased transparency, accountability, and improvement.

