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 # R384A100054

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.).

OMB No.4040-0004 Exp.01/31/2012

Application for Federal Assistance SF-424		Version 02
* 1. Type of Submission [ ] Preapplication [X] Application [ ] Changed/Corrected Application	* 2. Type of Application: [X] New [ ] Continuation [ ] Revision	* If Revision, select appropriate letter(s): * Other (Specify)
* 3. Date Received: 12/4/2009	4. Applicant Identifier:	
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: Florida Department of Education		
* b. Employer/Taxpayer Identification Number (EIN/TIN): 593474751	* c. Organizational DUNS: 785319963	
d. Address:		
* Street1: Street2:	325 West Gaines Street, Suite 844	
* City: County:	Tallahassee	
State:	FL	
Province:		
* Country:	USA	
* Zip / Postal Code:	32399	
e. Organizational Unit:		
Department Name: Office of the Commissioner	Division Name: Acct, Research, Measurement	
f. Name and contact information of person to be contacted on matters involving this application:		
Prefix: Mr.	* First Name: Jeff	
Middle Name:		

* Last Name:	Sellers		
Suffix:			
Title:	Acting Deputy Commissioner		
Organizational Affiliation:			
Florida Department of Education			
* Telephone Number:	(850)245-9597	Fax Number:	(850)245-9288
* Email:	JEFF.SELLERS@FLDOE.ORG		

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-0729090001

Title:

Grants for Statewide, Longitudinal Data Systems Under the ARRA of 2009 CFDA 84.384

13. Competition Identification Number:

Title:

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

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

Data In...Data Out

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: FL-All * b. Program/Project: FL-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	**$**
b. Applicant	**$ 347298**
c. State	**$ 0**
d. Local	**$**
e. Other	**$**
f. Program Income	**$**
g. TOTAL	**$ 347298**

*** 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 .
[X] 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 [X] 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)**

[X] ** 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:	Mr.	* First Name:	Eric
Middle Name:			
* Last Name:	Smith		
Suffix:			

Title:	Florida Commissioner of Education
* Telephone Number:	(850)245-0505 Fax Number:
* Email:	ERIC.SMITH@FLDOE.ORG
* 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:
Florida 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	$ 2,000	$ 2,000	$ 2,000	$ 0	$ 0	$ 6,000
4. Equipment	$ 2,465,231	$ 261,775	$ 236,775	$ 0	$ 0	$ 2,963,781
5. Supplies	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
6. Contractual	$ 1,193,980	$ 2,760,075	$ 1,353,680	$ 0	$ 0	$ 5,307,735
7. Construction	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
8. Other	$ 50,100	$ 239,273	$ 210,868	$ 0	$ 0	$ 500,241
9. Total Direct Costs (lines 1-8)	$ 3,711,311	$ 3,263,123	$ 1,803,323	$ 0	$ 0	$ 8,777,757
10. Indirect Costs*	$ 358,295	$ 546,598	$ 292,638	$ 0	$ 0	$ 1,197,531
11. Training Stipends	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
12. Total Costs (lines 9-11)	$ 4,069,606	$ 3,809,721	$ 2,095,961	$ 0	$ 0	$ 9,975,288

***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? [X] Yes [ ] No
(2) If yes, please provide the following information:
Period Covered by the Indirect Cost Rate Agreement: From: 7/1/2007 To: 6/30/2010 (mm/dd/yyyy)

Approving Federal agency: [X] ED [ ] Other (please specify): _____ The Indirect Cost Rate is 17.7%
(3) For Restricted Rate Programs (check one) -- Are you using a restricted indirect cost rate that:

[X] Is included in your approved Indirect Cost Rate Agreement? or, [ ] Complies with 34 CFR 76.564(c)(2)? The Restricted Indirect Cost Rate is 17.7%

ED Form No. 524

U.S. DEPARTMENT OF EDUCATION

BUDGET INFORMATION

NON-CONSTRUCTION PROGRAMS

OMB Control Number: 1894-0008

Expiration Date: 02/28/2011

Name of Institution/Organization:
Florida 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	$ 84,900	$ 84,900	$ 84,900	$ 0	$ 0	$ 254,700
2. Fringe Benefits	$ 28,866	$ 28,866	$ 28,866	$ 0	$ 0	$ 86,598
3. Travel	$ 2,000	$ 2,000	$ 2,000	$ 0	$ 0	$ 6,000
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)	$ 115,766	$ 115,766	$ 115,766	$ 0	$ 0	$ 347,298
10. Indirect Costs	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
11. Training Stipends	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
12. Total Costs (lines 9-11)	$ 115,766	$ 115,766	$ 115,766	$ 0	$ 0	$ 347,298

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: Eric Smith
Title: Florida Commissioner of Education
Date Submitted: 12/04/2009

Approved by OMB 0348-0046 Exp.

Disclosure of Lobbying Activities

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

1. Type of Federal Action:	**2. Status of Federal Action:**	**3. Report Type:**
[ ] Contract [X] Grant [ ] Cooperative Agreement [ ] Loan [ ] Loan Guarantee [ ] Loan Insurance	[X] Bid/Offer/Application [ ] Initial Award [ ] Post-Award	[X] Initial Filing [ ] Material Change **For Material Change only:** Year: 0Quarter: 0 Date of Last Report:
4. Name and Address of Reporting Entity: [X] Prime [ ] Subawardee Tier, if known: 0 Name: Florida Department of Education Address: 325 West Gaines Street, Suite 1514 City: Tallahassee State: FL Zip Code + 4: 32399-0400 **Congressional District, if known:** 02	**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: 84.384	
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: Eric Smith Title: Florida Commissioner of Education Applicant: Florida Department of Education Date: 12/04/2009	
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	
Florida Department of Education	
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
Prefix: First Name: Eric	Middle Name:
Last Name: Smith	Suffix:
Title: Florida Commissioner of Education	
Signature: _____	Date: 12/04/2009

ED 80-0013 03/04

SUPPLEMENTAL INFORMATION
REQUIRED FOR
DEPARTMENT OF EDUCATION GRANTS

1. Project Director:

Prefix:	* First Name:	Middle Name:	* Last Name:	Suffix:
Mrs.	Nancy		Copa	

Address:

* Street1: 325 West Gaines Street, Suite 844

Street2:

* City: Tallahassee

County:

* State: FL* Zip / Postal Code: 32399 * Country: **USA**

* Phone Number (give area code)	Fax Number (give area code)
(850)245-0457	(850)245-9069

Email Address:

NANCY.COPA@FLDOE.ORG

2. Applicant Experience

Novice Applicant [ ] Yes [ ] No [X] Not applicable

3. Human Subjects Research

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

[ ] Yes [X] 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: **Florida Abstract** Pages: **1** Uploaded File: **C:\Documents and Settings\nancy.copa\Desktop\SLDS ARRA\Grant Sections\Project Abstract.doc**

Data In...Data Out
(CFDA Number 84.384)

Project Abstract

1. **The title of the project:** Data In...Data Out

2. **Project Description:** This grant competition and the America COMPETES Act clearly define the necessary requirements for a statewide longitudinal data system. The four assurances in the American Reinvestment and Recovery Act focus on struggling schools, assessment information for instructional improvement, quality teachers in the classroom, and a statewide longitudinal data system. While the Florida Department of Education (FLDOE) currently meets all of the capabilities and system requirements described, FLDOE is using this grant proposal to deepen its commitment to providing data to stakeholders while maintaining student confidentiality.

   In keeping with this goal, FLDOE proposes (1) to upgrade the four major source data systems that are incorporated into Florida's Education Data Warehouse (EDW); (2) to employ a unique identifier system so that social security numbers are no longer the key field for tracking students between the Local Education Agencies and the State; (3) to provide several different reporting capabilities for use by a myriad of stakeholders; and (4) to implement a data mining tool for FLDOE to analyze and evaluate its programs and policies more efficiently and effectively.

   The proposed project will provide new analytic dimensions and student confidentiality mechanisms currently unavailable in any state. Not only will there be results reported on periodic, current schedules, but on a longitudinal basis as well. The project will result in processes and tools that may be replicated in other states. It will serve as a national model that can be adapted and improved upon by others.

3. **The expected outcome of the project on the State's education data system:** This project is expected to improve the usability of FLDOE's data by focusing on TIMELINESS, ACCURACY and ACCESSIBILITY while maintaining CONFIDENTIALITY and allowing for program EVALUATION.

   The source data systems will make the data more timely by implementing new processing methodologies and implementing more periodic system updates. During the system upgrades, FLDOE will implement a statistical validation process verifying data quality to ensure its accuracy. Accuracy at the source system is important to ensure accuracy within the EDW. The proposed system upgrades will also prepare FLDOE's data system to provide more timely feedback to teachers for instructional improvement purposes.

   The reporting capabilities will increase the accessibility of FLDOE's data to a multitude of stakeholders. The various reporting capabilities will be designed to meet the needs of stakeholders with a range of perspectives and expertise.

   The unique identifier system will promote confidentiality regarding student information as data is transferred between the LEAs and the State. The identifier will be different than the one currently assigned by the EDW so that when disclosing coded, deidentified unit record data a student's identity cannot be determined.

   Finally, the data mining tool will work with data from the EDW to provide evaluation and analysis of Florida's education policies and practices. It will allow FLDOE to determine best practices to highlight with the Local Education Agencies and to identify potential program/policy areas in need of attention before they become an issue.

Project Narrative

Project Narrative - Project Narrative

Attachment 1:
Title: **Florida Project Narrative** Pages: **30** Uploaded File: **C:\Documents and Settings\nancy.copa\Desktop\SLDS ARRA\Grant Sections\Project Narrative.doc**

Data In…Data Out
(CFDA Number 84.384)

Project Narrative

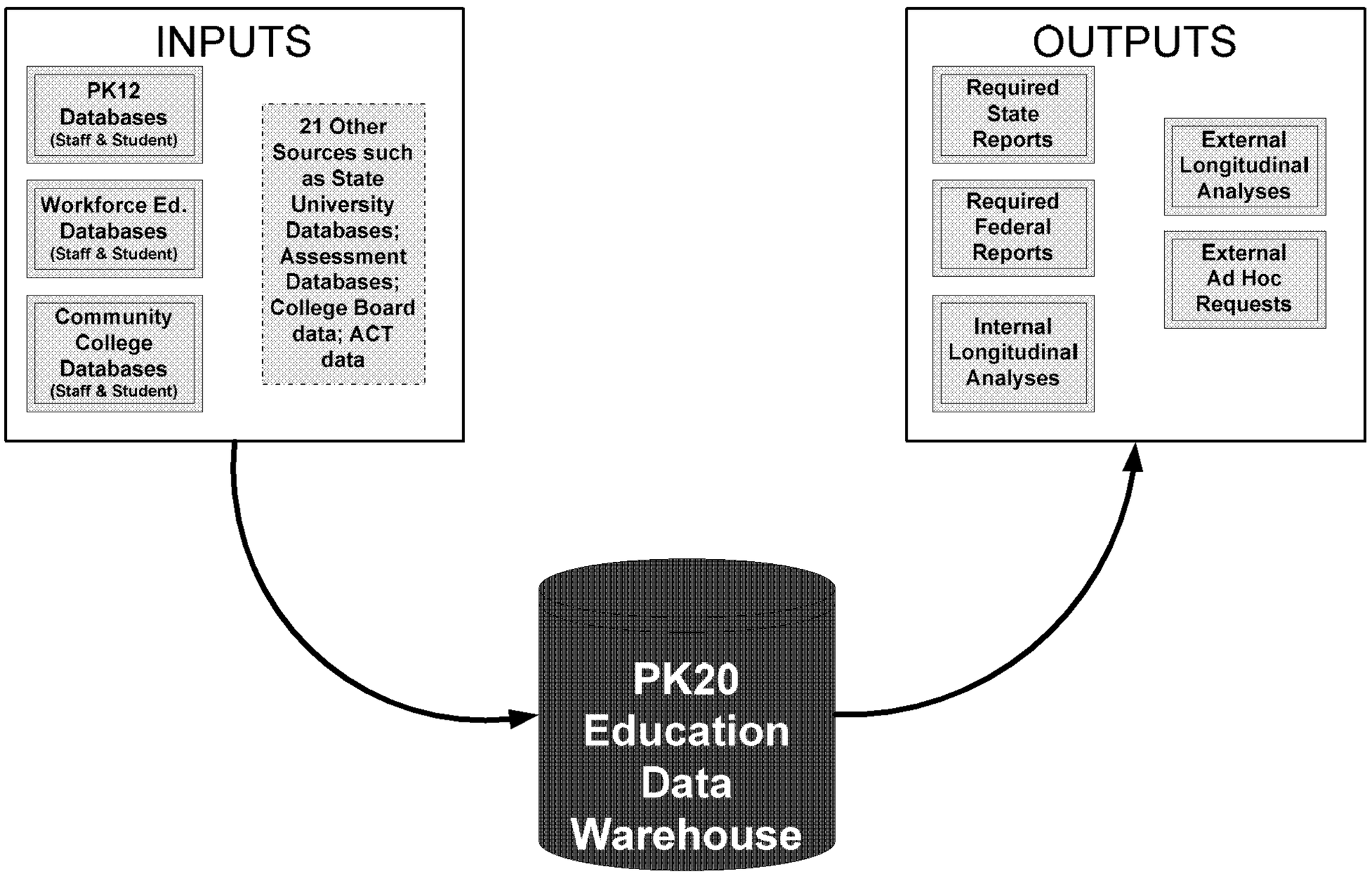
Need for Project

Florida's Statewide Longitudinal Data System

The Florida Department of Education (FLDOE/we) maintains a nationally recognized statewide longitudinal data system known as the PK20 Education Data Warehouse (EDW) which has the capability to follow students from Prekindergarten through postgraduate school and into the workforce. Since the EDW's creation in 2003, Florida's power to predict and evaluate the effects of educational policy has increased.

As with any longitudinal data system, the functionality of the EDW is dependent on the quality of data being brought in (the Inputs) and the ability to easily access and extract data out (the Outputs). See Figure 1.

Figure 1. Current Inputs and Outputs of Florida's PK20 Education Data Warehouse



Data In…Data Out
(CFDA Number 84.384)

Currently, the PK20 Education Data Warehouse (EDW) incorporates 27 different data sources (see Appendix A) into one longitudinal data system. The four largest contributors[1] are the staff and student databases for PK12, career and adult education (or workforce education), community colleges and state universities. In addition to these data sources, the EDW incorporates a multitude of data including student financial aid, student assessment, facilities, special education, English language learners, early childhood programs, human resources, finance, and employment information.

One of the data sets incorporated into the EDW is the Florida Education and Training Placement Information Program (FETPIP). FETPIP is a data collection and consumer reporting system at FLDOE established by Florida Statutes to provide follow-up data on former students and others. The information provided describes civilian and federal employment and earnings, continuing education experiences, military service, and other measures that help answer accountability issues.

The statute which establishes FETPIP grants FLDOE access to records collected by other Florida state agencies including unemployment insurance wage reports maintained by the Agency for Workforce Innovation, records at the Department of Children and Family Services that contain information about the distribution of public assistance, records at the Department of Corrections that contain information about incarcerations, and records at the Department of Business and Professional Regulation that contain the results of licensure examination. Access to these records necessitates that FLDOE's system supports intrastate interoperability to ensure linkage and connectivity among the various data.

The EDW is used as a data resource by a myriad of stakeholders. Researchers use deidentified unit record data from the EDW to fulfill approved research projects that study the effects of education programs and policies across educational sectors. Florida legislators use data from the EDW to drive data-driven decision making. FLDOE leadership uses data from the EDW to evaluate the implementation of education programs and policies and for school and teacher accountability. FLDOE program and policy staff use data from the EDW to provide understandable statistics and reports to the general public, including parents and students. FLDOE uses data from the EDW to fulfill state and federal reporting requirements.

Funding for the EDW was originally a line item in the annual 2003-2008 FLDOE budgets approved by the Legislature. Line items are more susceptible to criticism. During the 2009 Legislative session, the EDW's funds were rolled into the technology portion of FLDOE's budget making sustainability less of an issue. All of the EDW and the source data systems are fully funded by the Legislature. No additional funding will be required to support the upgrades. FLDOE's expectation is that expenses associated with the components of this proposal will decline once fully deployed.

It is important that FLDOE continue to enhance the functionality of the EDW so that it evolves with the increasing demands for data. Using the EDW as a resource for longitudinal data has become a part of Florida's educational culture. It has resulted in data-driven decision making, program evaluation, and accountability.

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[1] There are ten major sources (see Appendix A) that comprise the PK12, workforce education, community college, and state university data systems. These include staff, student, and finance data for each area. For brevity we refer to these separate databases by their collective representative sector: PK12, workforce education, community college, or state university. This proposal will refer to the four major source data systems.

EDW Requirements and Capabilities

Florida was the first state recognized by the Data Quality Campaign (DQC) as containing the 10 elements recommended by DQC for designing a statewide longitudinal data system. Many of these elements are also listed in the America COMPETES Act as part of the 12 required data system elements. Florida's EDW meets all 12 of the required data system elements referenced in the America COMPETES Act. FLDOE has the ability to link elementary and secondary school data to postsecondary data and to employment information. Students are automatically assigned a unique identifier when first incorporated into the EDW to ensure confidentiality in the longitudinal data system.

FLDOE already meets five of the seven data system capabilities required by this grant competition. FLDOE has the ability to:

- follow students over time through their educational career and into the workforce (capability 1)
- link student data with teachers, including the ability to link back to a teacher's preparation pathway (capabilities 3 and 4)
- ensure the quality and integrity of data contained in the system (capability 6), and
- meet reporting requirements of the United States Education Department, including those required for the State Fiscal Stabilization Fund and *EdFacts* (capability 7).

FLDOE also has the ability to link student data to data from other state agencies, as evidenced by the use of state agency data in FETPIP (capability 2). Additionally, FLDOE will use funds from Institute of Education Sciences' (IES) Statewide Longitudinal Data System (SLDS), Round 3 grant to enhance the our metadata application and to create a formalized data governance process. This will promote linkage and connectivity among the various levels and types of data such as PK12 data, technical center data, and postsecondary data.

Through this grant proposal, FLDOE will prepare its systems to provide data to stakeholders in a more timely fashion than is currently possible (capability 5). FLDOE will accomplish this by upgrading the source data systems, providing a report building tool, and implementing a data mining tool.

The ability to link teacher and student data via class enrollment is one of the core requirements of the IES' Statewide Longitudinal Data Systems program. As mentioned above, Florida has this capability. However, FLDOE proposes to refine its data processes and policies surrounding the teacher-student link. To accomplish this most important goal, FLDOE and its Local Education Agencies (LEAs) will work together to define teacher-of-record, and secondly draft the policies, processes, and technologies necessary to create and sustain a valid teacher-student data link.

As noted, the concept of a teacher-student data link appears in both the Required Data System Capabilities and Required Data System Element sections of RFA NCES 09-02. FLDOE is uniquely qualified to meet and exceed these aforementioned requirements as a result of FLDOE's participation in the Teacher-Student Data Link Project. The Teacher-Student Data Link Project, funded by the Bill & Melinda Gates Foundation and conducted by the Center for Educational Leadership and Technology (CELT) with guidance and dissemination support from the Data Quality Campaign (DQC), is a five-state effort charged with developing a common, best practice definition for teacher of record and business process for collecting and validating the linked teacher and student data. The project includes the creation of business requirements for a prototype application teachers will use to validate their student rosters. The Teacher-Student Data Link Project will bring multiple states together to leverage their collective

knowledge and resources to determine a common definition and approach to one of the most critical capacities of their longitudinal data systems. It also incorporates school district and teacher involvement throughout the project, which will help ensure data definitions and processes accurately and appropriately capture the local reality and are not overly burdensome to educators.

In support of the Teacher-Student Data Link Project, CELT will be assisting FLDOE in conducting a comprehensive assessment of FLDOE's data collection, verification, storage, and reporting processes and systems, as each relates to linked teacher-student and summary assessment data. This analysis will include the degree and types of collaboration and communication between the State Education Agencies (SEAs), the school districts, and among the appropriate program areas within the SEA. Together with CELT, FLDOE is also carrying out the analysis at the school district level in order to assess how the schools and school districts collect the data and verify the quality of data.

Refer to Appendix C for more information about FLDOE's ability to meet the 12 data system elements and the 7 data system capabilities.

EDW Enhancements

By leveraging funding from multiple federal sources, FLDOE has the unique opportunity to enhance the Education Data Warehouse to provide several functions that also address requirements of the American Reinvestment and Recovery Act's (ARRA) assurances. These functions include: (1) the ability to collate near real time data for use by the districts to improve instruction; (2) reporting capabilities permitting aggregate-level data to be accessed by a multitude of stakeholders including parents, LEAs, legislators, the general public and the media; (3) a secure portal to allow requestors (including educational researchers) FERPA[2]-compliant restricted access to deidentified unit-record data upon approval; and (4) a data mining tool to be used by FLDOE staff to evaluate existing policies, identify potential program/policy areas of need, and identify best practices.

FLDOE was awarded funds from both Rounds 1 and 3 of the IES' SLDS grant program. Using funds from Round 1, FLDOE incorporated student financial aid data and facilities data into the Education Data Warehouse. Additionally, these funds were used to create data marts from these data. Data marts provide a more expedient way for data questions to be answered. Because FLDOE completed its grant requirements ahead of schedule and under budget, IES permitted FLDOE to use the remaining funds and time to develop multiple data marts to support many different areas including K12, postsecondary, and employment outcomes. However, for easy use by stakeholders, a reporting tool that taps into the data mart is necessary. Funding from Round 3 and funding from the ARRA SLDS grant will address this need.

Funds awarded through Round 3[3] of the IES' SLDS grant will be used to create the Sandbox, a secure portal to deidentified unit record data. FLDOE's proposal for the Round 3 grant was designed to create the Sandbox which will automate the functions necessary to fulfill approved research requests. Because the Sandbox will consist of deidentified data it is the appropriate mechanism on which to develop a report building tool. Funds awarded through the ARRA SLDS grant program will be used to create pre-defined tables available for public consumption and a tool to be used by stakeholders to build exportable user-defined tables.

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[2] Family Educational Rights and Privacy Act (FERPA), 20 U.S.C. 1232g; 34 CFR Part 99.
[3] Round 3 is a five-year grant which runs July 1, 2009 – June 30, 2014.

Data In…Data Out
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The student and staff data collected by the source data systems are validated at the State level and loaded into the EDW. Therefore, it is imperative that the source data systems be rewritten to employ current technological approaches. Many of the source data systems were originally designed in the 1980s and 1990s, with little modification since, resulting in the use of older technology and nearly obsolete processing methodologies. If the source data systems continue to utilize the older technology and methodologies, the ability for data to be collected from the districts and loaded into the EDW will become increasingly difficult.

While updating the source data systems, FLDOE will review the edit report programs used for quality assurance by the LEAs. Where necessary, FLDOE will update or create new edit report programs. FLDOE will also review and modify where necessary the extraction-transformation-load (ETL) programs used to incorporate source data into the EDW.

FLDOE will use the opportunity to update source data systems to instill a new data submission schedule that will allow for near real time updates to the PK12 staff and student databases. The transactional data collection will allow the LEAs to use the information for instructional improvement. These steps will permit researchers to have access to more recent point-in-time data.

The availability of near real time data will also enhance the use of the data mining tool FLDOE will implement with ARRA's SLDS grant funds. The data mining tool will allow FLDOE to analyze data anomalies and discover potential program/policy areas of need that require further examination or to highlight best practices being implemented by the LEAs. FLDOE will be able to more easily find relationships in the data than is currently possible.

FLDOE will also prepare its source data systems to accept student scores from computer-based tests and to provide the LEAs, specifically teachers, with rapid-time assessment reports as required by the ARRA's assurances. FLDOE will use the ARRA's SLDS grant funds to prepare FLDOE's source data systems for this capability and will use Race to the Top[4] grant funds to assist districts in preparing their data systems for this capability.

Many of Florida's technological applications used by teachers and LEAs to access student data are processed through FLDOE's infrastructure known as Sunshine Connections. Currently, Sunshine Connections contains data from various areas of FLDOE. Using funds from Round 3 of IES's SLDS grant, FLDOE is implementing a data governance process. This process standardizes data collection and storage making access into Sunshine Connections more feasible. Using funds from the Race to the Top grant, FLDOE will enhance the authentication process allowing the LEAs to log into FLDOE's data through the Sunshine Connections infrastructure.

Grant funds from all three SLDS grants will be used to provide training and technical assistance for users related to the specific tasks associated with each grant program. See Appendix A for a graphic representation of the timelines and major tasks for each of the federal grants awarded to or sought by FLDOE.

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[44] The references to FLDOE's use of Race to the Top (RTTT) grant funds are as of submission of this grant (12/04/09). FLDOE may modify its intended use of Race to the Top funds prior to its submission of the RTTT grant proposal which is due 01/19/10.

Project Outcomes Related to System Requirements and Implementation

The components of the proposed project are categorized into two main foci: inputs and outputs. The "inputs" include upgrading the PK12, community college, workforce education, and state university source data systems; and implementing a federated vault model for student confidentiality. The "outputs" include public access reporting capabilities and a data mining tool.

The overall objective is to enhance the current functionality of the EDW by addressing what goes into the EDW and by addressing the best way to retrieve it from the EDW. Enhancing the functionality of the EDW will allow Florida to address the requirements of the State Fiscal Stabilization Fund program. Upgrading the source data system will provide FLDOE with the technological capacity to get the data to the teachers and to establish an accurate and timely link between teachers and students. Increased functionality will provide timely information to teachers allowing them to make instructional adjustments based on student performance. The LEAs will have access to better data to faster evaluate teacher performance and effectiveness.

The public access reporting tool will provide an accessible avenue for legislators to gather data on important issues such as FLDOE progress in supporting and improving the lowest-achieving schools. The data mining tool will equip FLDOE with the ability to analyze vast amounts of data in a short period of time, primarily focusing on the anomalies which potentially flag areas in need of attention.

The four components Florida proposes for the ARRA's SLDS grant are described in more detail below.

INPUTS

Proposed Outcome 1: Upgrade Source Data Systems. The EDW is a centralized repository for educational data collected from 27 different sources including the PK12 staff and student databases, the university databases, the community college staff and student databases and the workforce education database. Each of these databases receives student and staff data directly from the LEAs; the PK12 database is comprised of data reported by the school districts, the Workforce Education database is comprised of data reported by the technical centers and school districts, the Community College database is comprised of data reported from the public community colleges, and the State University database is comprised of data reported from the public state universities[5].

The EDW is only as useful and valuable as the data that is loaded into it; both the data's accuracy and timeliness are significant. This means that the original data collection mechanisms (the source data systems) need to be continually updated to stay current with technology because a breakdown of a source system would result in a breakdown of the EDW. Maintenance and updates of the source systems will allow the longitudinal data system to quickly and accurately load data for easy access to stakeholders.

[5] The 11 public universities within the State University System report data to Florida's Board of Governors. The Board of Governors is a separate governing entity from the FLDOE; however, the Board of Governors provides university staff and student data to the PK20 Education Data Warehouse for longitudinal tracking purposes per Section 1008.31(3), Florida Statutes.

Data In…Data Out
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The Florida Board of Governors (FLBOG) recently completed a major overhaul of the university databases updating the system with newer technology from the original system which was built 1972-1975. While FLDOE's EDW was created in 2003, many of the source data systems were created much earlier. The PK12 databases were originally built in 1987 and the community college databases started up in 1989. The workforce education database was built more recently in 1998.

The four major source data systems each have technological issues that will be addressed through this proposal. As mentioned above, the PK12, workforce education, and community college databases have had limited modification since their inception. This means that they are supported by outdated technology and processing methodologies. Utilizing older system designs and methodologies has led to significant challenges such as limited and inefficient accessibility to data, responsiveness to LEAs limited to data that is not current, and duplicative processing.

The EDW and some of the LEAs are supported by current technology. The incompatibility of current technology of some LEAs with the outdated technology of the source systems, if not addressed, will increase the level of manual intervention necessary to maintain the linkage between the LEAs and the state systems. An increase in manual intervention will lead to inefficiencies in the process which will delay responsiveness back to LEAs.

The use of older technology and processing methodologies brings with them limitations on accessibility by stakeholders, particularly the management information systems (MIS) and program offices of the LEAs. Currently, each LEA must develop and maintain their own programs to extract, transform, and submit their data so that it is compatible with the older processing methodologies used by the source data systems.

The PK12 data system is not currently a transactional database resulting in data from the previous school year being used to fulfill research requests. Some PK12 data, such as the electronic Individual Education Plans for students with disabilities, must be transactional so it is collected in a separate application known as the Portal to Exceptional Education Resources (PEER). The PK12 data system and PEER both require student demographic data; therefore, districts are submitting the same demographic data to the PK12 data system and the transactional PEER system. This results in duplicative processing by the districts.

The use of outdated technology and processing methodologies makes it difficult to find human resources with the skills to support the technology. The availability of staff qualified to work with outdated system designs and methodologies is very limited.

It is for these reasons that FLDOE will perform a technical review and subsequent rewrite of four of the major source data systems: PK12, workforce education, community colleges, and state universities. The review and subsequent rewrite will implement new technological approaches for the source data systems making them more compatible with the LEAs and the EDW. This will allow the reporting of more timely data and will increase stakeholders' accessibility to the data. Additionally, staff capable of supporting the technology will be available to FLDOE.

PK12 Data System. The PK12 data system is a comprehensive database system for the collection of student and staff data that was designed beginning in 1984 and gradually phased in from June 1987 to

December 1991. The database has not undergone a major improvement since its inception in the late 1980s. The purpose of this database system was to streamline and make uniform the data collection processes of FLDOE. It does this by collecting individual staff and student records for PK12 public education and by producing various reports based on collected data. The database was designed to gather data from a series of "snapshot" surveys to capture point in time data. Annual adjustments have been made in response to State and federally mandated data requirements.

In 2007-08, the Florida Legislature allocated funds for FLDOE staff to review the database functionality and identify issues that need to be addressed. During this time, FLDOE received input from district representatives to identify their concerns and to gain feedback on what the districts would want in a redesigned system. Vendors were interviewed to determine their ability to respond to changes in the design of the database and system of reporting. The vendors included both those that currently support the districts and possible future vendors. Finally, FLDOE reviewed other states' database systems and designs to help formulate what will work for FLDOE.

FLDOE proposes using funds from the ARRA's SLDS grant program to design and implement a replacement system that incorporates a relational database design with transactional processes. The new PK12 data system will be a transactional system that captures the information of all staff and students at the beginning of a school year then collects only new or altered data in the subsequent, more frequently scheduled data collections for that school year. This will put in place the appropriate technological design for Florida to utilize Race to the Top funds to set up teacher access to student data, which also satisfies one of the ARRA's assurances.

The new system will include a flexible, extensible district data transfer methodology, a robust Business Intelligence (BI) analysis and reporting capability, and a self-service environment for all data consumers. An extensible district data transfer methodology means that the format of the data transfer files can be changed without damaging the transfer process itself. Instead of using fixed columns, the data will be surrounded by tags using extensible markup language (xml) that the load job can find to place the data in the proper fields. New tags can be added at any time to extend the definition of what data is being collected. The tags will be ignored until and unless the load program adds code to handle that tag.

The system will allow for more periodic uploads on a schedule to be determined by FLDOE. Data will not be moved to permanent storage without authorization. It will allow for both push and pull strategies simultaneously that will be configurable on an organizational basis. Additionally, the system will allow for quality control checks to be performed through a statistical data validation process and reported back to the LEA prior to final approval and movement to permanent storage. Once data is moved to permanent storage and loaded into the EDW, it will not be edited. Any necessary corrections will be in the form of adjusting entries through a subsequent data upload. Finally, the system will provide a secure method of authentication and signing of data upload authorization by an appropriate LEA official.

Community College and Workforce Education Data Systems. The community college staff database was originally deployed in 1989 with additional student databases being phased in over the following eight years. The most recent addition to the community college data system was in 2006 to accommodate

community college baccalaureate program admissions. In 1998, the workforce education data system[6] began collecting and maintaining information related to workforce education in Florida.

As with the PK12 data system, these data systems have not been updated since their inception with the exception of necessary adjustments to account for new State and Federal reporting requirements. The lack of redesign has led to several issues and potential problems. First, the current system collects data both at the beginning and end of each term. This creates duplicative data since certain data elements, such as demographic elements, do not change within a semester. Second, the current quality controls are labor intensive and the system does not have the capability to perform statistical data validation. While data is currently checked for quality and validity, upgrading the systems will allow this to occur more efficiently and with statistical validation. Third, the user interface is outdated and limits user flexibility.

FLDOE proposes modernizing these two systems by developing and deploying a remote ETL data collection system. The ETL system will be housed on a client/server platform at the State Education Agency (SEA) and provide each LEA with secure access via the internet. This system creates a common data collection mechanism that allows all LEAs to connect directly to the SEA's data systems. This facilitates the collection process and decreases the turnaround time for the data submitted to FLDOE.

Using this platform, FLDOE will develop a new validation process to incorporate statistical analytic tools directly into the collection procedure for each LEA. Data received by FLDOE will be of high quality by removing the burden from the 88 LEAs of maintaining their own extraction systems, using a common collection interface, and incorporating statistical validation into the collection process.

The upgrades proposed to the PK12, community college, and workforce education data systems will be implemented in a test environment in Year 2 of this grant. During Year 3, FLDOE will select a limited number of LEAs to participate in a "pilot" of the upgraded data collection systems. Selected LEAs will conduct parallel processing, which requires submitting data under both the old and new data collection formats. Parallel processing provides FLDOE with the ability to test the success of the implementation prior to a statewide rollout. The "pilot" portion of the project will not determine the completion of the project itself; it will only determine if any modifications to the systems and processes are necessary. FLDOE is committed to deploying the new systems statewide during the data collection periods that occur between July 1, 2013 and June 30, 2014 (a year after the grant expires). Expenditures required for the statewide deployment will be the responsibility of FLDOE.

State University Data System. The State University System of Florida (SUS) is governed by the Florida Board of Governors and has its own source data systems which are incorporated into the EDW. The SUS originally developed its central data collection system over twenty years ago.

In 2006, the Florida Legislature allocated funds for FLBOG to move their system from a mainframe based system to a relational database system with a Web front end. This project was completed and the new State University Data System (SUDS) began operation on July 1, 2008.

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[6] The community college data systems and the workforce education data systems are both operated under the Bureau of Community College and Technical Center MIS, which is housed in the Division of Accountability, Research, and Measurement at FLDOE.

Due to the nature of the funding received, the project had to be completed and placed into operation in one calendar year. Therefore, there were certain components of a comprehensive data collection system that were excluded or not fully realized.

FLDOE proposes to work with the FLBOG to remediate the SUDS. Fulfilling these system needs will make the quality of the data collected are more reliable, the system is more robust, and the data are more accessible to stakeholders.

FLDOE proposes to collaborate with the FLBOG to make the SUDS as secure, efficient and reliable as possible for all consumers/customers of the data. Utilizing funds from the ARRA's SLDS grant program, FLDOE and FLBOG will conduct a technical review of SUDS which will result in recommendations on how to rebuild or remediate the current system. The technical review will include an analysis of the current infrastructure, backup procedures, and existing software. During the grant's timeframe, the technical review recommendations will be implemented so that SUDS is more accurate, timely and accessible, meeting the improvement and enhancement objectives.

System Security Audit. During Year 2 of the grant project, each of the four systems will be audited for software and system security. The audit is necessary to ensure the confidentiality of all data prior to the pilot phase.

Training for Source System Upgrades. FLDOE is proposing to rewrite three of its educational source data systems and enhance the fourth. These changes will affect the districts, community/state colleges, technical centers, and state universities. Therefore, it is imperative that FLDOE provide comprehensive training and technical assistance to ensure a seamless transition to the new systems.

FLDOE and FLBOG staff will be trained on the new software to be used in the data collection and statistical validation programs. Preparing staff with the new skills and knowledge will ensure successful implementation for these components.

LEA staff will need training on the new technical requirements for data submission to each of the source systems. This will be accomplished via regional training conferences where FLDOE staff will train the appropriate staff from the LEAs. Trained staff will also require reference documentation. To address this need FLDOE will develop technical assistance guides that will be readily available via FLDOE's Web site.

During the rewrite process, FLDOE will modify existing quality control "edit programs" used by the LEAs to conduct quality assurance on data prior to submission to FLDOE. The edit programs are to be examined by personnel throughout the LEAs, not just staff who submit the data. It is, therefore, important that those submitting the data are adequately trained to utilize the edit programs and to engage others at the LEA.

A "train the trainers" session on how to use the edit programs will be part of the regional training conferences. Webcasts will be created to allow local users to be trained via the Web. The webcasts will be particularly useful when staff turnover occurs, and will allow staff to refresh their knowledge on a regular basis. The webcasts will include user surveys. The survey results will be used to continually

improve FLDOE's services and to ensure that the applicability of the knowledge transferred remains current.

Proposed Outcome 2: Assign a Unique Identifier. One of the required data system elements prescribed by the America COMPETES Act is a unique statewide student identifier. FLDOE currently collects student social security numbers (SSNs) and uses them to link data in the EDW. During the linking process a unique student identifier known as the K20_EDW_ID is assigned. The link between the SSN and K20_EDW_ID is stored separately from all other student data so that the risk of a security breach is minimized.

While FLDOE utilizes the unique student identifier for students, the LEAs continue to use social security numbers. Many of the LEAs (particularly postsecondary institutions) have multiple systems in which to store student data. All of these systems are linked by the student identifier (in this case the SSN) leaving a multitude of opportunities for a student's information to be misused or stolen. Given the potential for identity theft and the legally protected privacy of educational records there is a need for the LEAs to assign students unique identifiers other than using SSNs as the key field. Since all student data is currently sent to FLDOE and linked through the EDW, assigning unique identifiers to all Florida students the first time they enter the Florida educational system (at any point along the educational continuum) will increase security and confidentiality, and allow system linkages across the different educational sectors. The unique identifier will follow the student through the system to any educational entity to which the student applies or enrolls.

FLDOE proposes to implement a federated vault model where the master vault located at FLDOE is searched via a secure Web interface in addition to or in lieu of system-to-system communication. The master vault will serve as the master repository of student demographic data and other related personally identifiable information. The identifier assigned to the student in the master vault is different than the K20_EDW_ID. The EDW will continue to use the K20_EDW_ID which is used to disclose coded, deidentified unit record data. This will ensure that, when deidentified student information is provided to researchers, the information remains confidential and cannot be linked back to the unique identifier used by the LEAs.

When a student enters the Florida educational system, the SSN will be entered into a system at the LEA which will link to the master vault at FLDOE. The master vault is searched to determine if the student already exists in the system. If the student does not exist, a unique identifier is assigned to the student. This number is transferred back to the LEA and used as a unique identifier, in lieu of the student's SSN, as a key field for storing student data at the LEA. When a student changes educational entity (transitioning from school to school or district to district), the student's SSN can be used to match the student within the FLDOE master vault so that at all times the unique identifier is used by the LEAs to store and submit student data.

The use of the master vault will allow for better matching at the state-level for use in the EDW. The unique identifier will follow the student from Kindergarten through postsecondary education regardless of the public institution attended. This will create a faster transfer of student data between schools and institutions. It also creates another layer of security for each student.

What makes this project unique is that the master vault will provide SSN substitution in one major system for each of the four entities above. Simultaneously, it would provide for a master student demographic repository and the capability of providing a "universal" Florida education identifier that is public and that can be used across systems. The core data collection systems for PK20 at the state level will have the option to use the unique identifier and give FLDOE the ability to provide a secure Web-based demographic lookup function.

The unique identifier system will work in tandem with the upgrades to the source data systems. Therefore, deployment of the unique identifier system will occur in Year 4; however, this grant runs through Year 3. FLDOE is committed to deploying the unique identifier system statewide during the same time period of July 1, 2013 to June 30, 2014, as the source system upgrades. Expenditures required for the statewide deployment will be the responsibility of FLDOE.

Training for the Unique Identifier System. FLDOE staff and FLBOG staff will receive training on how to use and maintain the master vault system. Regional trainings will occur to instruct the LEAs on how to use the new system.

All of the changes proposed for the source data systems and the process described in the unique identifier section will necessitate changes to the EDW's ETL process. As the system changes are determined, funds from the ARRA's SLDS grant will be used to modify the ETL programs as well.

OUTPUTS

Proposed Outcome 3: Public Access Reporting Tool. As the amount and quality of data in the EDW increases, so do the need for quick turnaround of data analysis and the demand for reports. Frequently, requests are submitted by the Florida Legislature or Governor's office for aggregate numbers needed within a very short timeframe. These requests, while fulfilled in a timely fashion, can be difficult and time consuming. Requests from the Legislature and Governor's office are of the utmost priority, yet must be balanced against requests from the media, education researchers, the general public, and FLDOE staff. The staff fulfilling the ad hoc, short timeframe requests are also the staff responding to the requests from external researchers for restricted access to de-identified unit record data.

One of the requirements for the ARRA assurance for the statewide longitudinal data system is that data is easily available for use by stakeholders. The EDW currently meets the requirements for data collection and maintenance (see Appendix C) so FLDOE's focus is on providing the data in more useful and timely ways to stakeholders. FLDOE's stakeholders include parents, teachers, principals, superintendents, postsecondary faculty and administrators, legislators, educational researchers, the general public, and the media. Each of these stakeholders has different needs and capabilities that must be considered when developing reporting mechanisms.

Utilizing funds from several different Federal grant programs, FLDOE proposes providing a tool that encompasses several different reporting capabilities to be used by the various stakeholders. One of the first reporting functions FLDOE made available to stakeholders are data marts. Using funds through the IES' SLDS, Round 1 grant FLDOE was able to build data marts for financial data, for facilities data, and for FETPIP data which are available on FLDOE's Web site.

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FLDOE is currently developing the Sandbox using funds through the IES' SLDS, Round 3 grant. The Sandbox will be a vehicle for educational researchers to request and receive FERPA-compliant anonymized unit record data upon approval. FLDOE has a rigorous data request approval process which includes the requestor signing a Security and Access agreement located on FLDOE's Web site, and review and approval by FLDOE's Data Request Workgroup and subject matter experts. Once a request has received approval, the data will be extracted from the Sandbox and located on a secure FTP site for the researcher to download and use. The Sandbox's planning and development began July 1, 2009 and is expected to be fully deployed by June 30, 2014.

With funding from the ARRA's SLDS grant, FLDOE proposes to expand the use of the Sandbox to include a report building tool that will allow many of FLDOE's stakeholders to quickly access aggregate level data. The report building tool will include a Web-based capability that allows the user to build tables using aggregate level Florida education data. The tables will be exportable and will allow the user to choose from a variety of data and years. The most frequently requested tables will also be readily available on an easily accessible Web page. The pre-defined tables will be searchable according to the topic and according to user categories.

FLDOE will conduct focus groups with various stakeholders, including teachers, district superintendents and legislators, to determine potential areas of interest. The focus groups will be used to guide the development of a set of Web surveys. For a focus group to be useful it must remain small; therefore, FLDOE will not be able to ascertain accurate stakeholder interest and feedback from focus groups alone. Information gleaned from the focus groups will be used to create Web surveys that will be distributed electronically to each stakeholder group.

Distributing surveys electronically will allow FLDOE to request feedback from all stakeholders rather than a small subset. Electronic surveys will provide FLDOE a more comprehensive set of feedback while utilizing a cost effective method of delivery. Because each group has a different area of interest separate Web surveys will be created for each group. Analysis of the Web survey results will be used to guide the development of each of the reporting tools.

In addition to these useful reporting functions, FLDOE will provide a searching mechanism. This mechanism will allow the user to search all data and statistics publicly reported on the FLDOE Web site and on the FLBOG Web site, not just the pre-defined tables mentioned previously.

While much of the education data requested is pulled from the EDW, some reports and statistics (such as dropout rate) are the responsibility of the source data systems. FLDOE proposes the implementation of a reporting tool that can be utilized by each of the four main source data systems discussed in this proposal. Input from the focus groups and surveys will be used to determine the functionality of the reporting tool for the source data systems.

Training for Reporting Tools. The report building tool will be used by many stakeholders at their own convenience. Therefore, it is essential to provide easily accessible and easily understandable documentation on how to use the various components of the report building tool. A "How To" guide will be posted to the report building tool's Web site. The "How To" guide will include a downloadable document and a webcast.

For the search function FLDOE proposes establishing a "HELP" section. This section will guide users in the best ways to search the Web sites.

Proposed Outcome 4: Data Mining Tool. The Florida Department of Education currently links vast amounts of education data in the PK20 Education Data Warehouse. Data warehousing (collecting and compiling all data together) is but one aspect to data-driven decision making. Data mining, the ability to analyze vast amounts of data for patterns, is the other.

Data mining utilizes statistical algorithms to quickly evaluate large quantities of data looking for patterns and anomalies in the data. The advantage to data mining is that the user does not have to have a preconceived hypothesis prior to analyzing the data. Data mining looks for patterns and anomalies and points out potential areas of interest to the user. This is beneficial for both planning future education policy and evaluating the implementation of previously enacted policy.

Data mining is an essential tool for use in examining the progress made on three of the ARRA assurances: Great Teachers and Leaders, Standards and Assessments, and Turning Around the Lowest-Achieving Schools. These three assurances will employ bold, new and innovative policies and practices to improve and enhance Florida's education system. Data mining can be applied using the fourth assurance, a statewide longitudinal data system, to search for patterns in these areas which can highlight (1) if the policies are working, and (2) potential areas previously not considered that might require attention.

FLDOE proposes implementing a data mining tool so that we can more efficiently and effectively recognize education policies and programs that are and are not working as well as identify potential areas of need. Several vendors currently have data mining tools on the market. FLDOE will conduct a review of the available data mining tools to determine the best fit for FLDOE's and FLBOG's systems. FLDOE will then procure and implement the data mining tool.

Training for Data Mining. Data mining is a relatively new field and while vendors are now marketing data mining tools, experts in the education field are not yet practiced in how to analyze the findings from data mining techniques. Therefore, training on both the technical side (how to use the tool) and programmatic side (how to interpret the results) is essential.

Once the data mining tool is implemented, FLDOE and FLBOG technical staff will require training so that they can appropriately use the tool. Additionally, FLDOE and FLBOG program/policy staff will require training to effectively address the areas identified and to effectively work with the technical staff in identifying areas of need or potential best practices. FLDOE will hold training sessions and provide technical assistance guides for each of these groups.

Project Timeline for Project Outcomes

This section contains timeline charts for each of the proposed outcomes: (1) Upgrade source data systems, (2) Assign a unique identifier, (3) public access reporting tool, and (4) data mining tool. The parties responsible for each of the subtasks and the proposed deliverables are included.

Each of the federal grants pursued by and awarded to FLDOE is tracked individually for monetary purposes and for project status reporting purposes. Coordination among the projected outcomes for the different grant programs will be necessary and is addressed earlier in this proposal (see *EDW Enhancements* under the "Need for the Project" section) and in Appendix A.

Proposed Outcome 1: UPGRADE SOURCE DATA SYSTEMS

a. PK12 Data System

Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Design and develop conceptual and logical data models to support student and staff databases.	PK12 EIAS, FAMIS	Data models for student and staff databases	July 2010 – September 2010
Create architectural plan for transferring logical design into physical database	PK12 EIAS, FAMIS	Data Modeling Plan	July 2010 – September 2010
Develop Data Collection Process Model	PK12 EIAS, FAMIS	Collection System Model	October 2010 – December 2010
Finalize Data Model	TC, PK12 EIAS	Data Model Documentation	January 2011
Begin Statistical Evaluation of System Data for Data Quality process	TC, PK12 EIAS	Statistical Evaluation Report	January 2011 – March 2011

* The following abbreviations are used throughout the Project Timeline: CCTCMIS – FLDOE's Community College and Technical Center MIS staff; CS – Contracted Services; FAMIS – Florida Association of MIS; FLBOG – Florida Board of Governors; PK12 EIAS – FLDOE's PK12 data system staff; LEA – Local Educational Agency; MISATFOR – Florida College MIS Advisory Committee; PLT – Project Leadership Team; RAC – Research Advisory Council; TC – Technical Committee; WEDDAC – Career and Adult Ed. Advisory Committee

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Upgrade Collection Application Software by designing the transfer mechanism for moving data from LEA to state system	TC, CS, PK12 EIAS	Collection Application Implementation Plan	January 2011 – March 2011
Develop Hardware Specifications	TC, PK12 EIAS	Hardware Specifications Documentation	March 2011
Procure Hardware	PTL	Necessary equipment available for installation	April 2011 – May 2011
Train PK12 EIAS Staff on Application	CS	Training session agenda	May 2011 – June 2011
Install and Configure Hardware	CS	Successful installation of hardware	June 2011
Test Hardware System	CS	Hardware functionality approved by PK12 EIAS	June 2011
Design and implement statistical validation process	CS, PK12 EIAS	Successful implementation as approved by PK12 EIAS	April 2011 – May 2012
Implement Collection Applications Plan	CS	Successful implementation as approved by PK12 EIAS	July 2011 – June 2012
Implement Data Model in test environment, including all programming and documentation for processes and reports for student and staff databases	CS, PK12 EIAS	Documentation	July 2011 – June 2012

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Modify ETL process necessary to load data into EDW	EDW	Successful ETL process approved by EDW	January 2012 – June 2012
Hire consultant to perform Software and System Security Analysis and Audit	TC	Signed contract with consultant	April 2012 – May 2012
Create online training components for the LEAs addressing the collection application and the statistical validation process	CS, PK12 EIAS	Online training component	May 2012 – June 2012
Create reference documentation for LEAs	CS, PK12 EIAS	Technical Assistance guides	June 2012 with modifications made as necessary
Perform Software and System Security Analysis and Audit	CS	Final report	July 2012
Conduct testing and revisions to Collection Application	CS, PK12 EIAS, LEAs	Report of issues discovered during testing that need to be addressed	July 2012 – October 2012
Review audit recommendations and implement changes as necessary	TC, PK12 EIAS	Recommendations implemented	August 2012
Test implementation through parallel processes with pilot LEAs	PK12 EIAS, LEAs	Parallel reporting of data for testing purposes	August 2012 – June 2013

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Receive database administration support from database vendor	CS	Support for systems	July 2012 – June 2013
Conduct regional training conferences for LEAs	PK12 EIAS, LEAs	Conference Agendas, Technical Assistance Guides	May 2013 – June 2013
**Piloting will occur in Year 3 of the grant (through June 30, 2013). After the Year 3 pilot, full deployment will occur beginning July 1, 2014, at which time FLDOE will assume the financial responsibilities in relation to implementing the data collection application and statistical validation model in the production environment. **			

b. Community College and Workforce Education Data Systems

Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Design and develop conceptual and logical data models to support student and staff databases.	CCTCMIS, MISATFOR, WEDDAC	Data models for student and staff databases	July 2010 – September 2010
Create architectural plan for transferring logical design into physical database	CCTCMIS, MISATFOR, WEDDAC	Data Modeling Plan	July 2010 – September 2010
Develop Data Collection Process Model	CCTCMIS, MISATFOR, WEDDAC	Collection System Model	October 2010 – December 2010
Finalize Data Model	TC, CCTCMIS	Data Model Documentation	January 2011
Begin Statistical Evaluation of System Data for Data Quality process	TC, CCTCMIS	Statistical Evaluation Report	January 2011 – March 2011

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Upgrade Collection Application Software by designing the transfer mechanism for moving data from LEA to state system	TC, CS, CCTCMIS	Collection Application Implementation Plan	January 2011 – March 2011
Develop Hardware Specifications	TC, CCTCMIS	Hardware Specifications Documentation	March 2011
Procure hardware	PTL	Necessary equipment available for installation	April 2011 – May 2011
Train CCTCMIS Staff on Application	CS	Training session agenda	May 2011 – June 2011
Install and Configure Hardware	CS	Successful installation of hardware	June 2011
Test Hardware System	CS	Hardware functionality approved by CCTCMIS	June 2011
Design and implement statistical validation process	CS, CCTCMIS	Successful implementation as approved by CCTCMIS	April 2011 – May 2012
Implement Collection Applications Plan	CS	Successful implementation as approved by CCTCMIS	July 2011 – June 2012
Implement Data Model in test environment, including all programming and documentation for processes and reports for student and staff databases	CS, CCTCMIS	Documentation	July 2011 – June 2012

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Modify ETL process necessary to load data into EDW	EDW	Successful ETL process approved by EDW	January 2012 – June 2012
Hire consultant to perform Software and System Security Analysis and Audit	TC	Signed contract with consultant	April 2012 – May 2012
Create online training components for the LEAs addressing the collection application and the statistical validation process	CS, CCTCMIS	Online training component	May 2012 – June 2012
Create reference documentation for LEAs	CS, CCTCMIS	Technical Assistance guides	June 2012 with modifications made as necessary
Conduct Software and System Security Analysis and Audit	CS	Final report	July 2012
Perform testing and revisions to Collection Application	CS, CCTCMIS, LEAs	Report of issues discovered during testing that need to be addressed	July 2012 – October 2012
Review audit recommendations and implement changes as necessary	TC, CCTCMIS	Recommendations implemented	August 2012
Test implementation through parallel processes with pilot LEAs	CCTCMIS, LEAs	Parallel reporting of data for testing purposes	August 2012 – June 2013

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Receive Database administration support from database vendor	CS	Support for systems	July 2012 – June 2013
Conduct regional training conferences for LEAs	CCTCMIS, LEAs	Conference Agendas, Technical Assistance Guides	May 2013 – June 2013
**Piloting will occur in Year 3 of the grant (through June 30, 2013). After the Year 3 pilot, full deployment will occur beginning July 1, 2014, at which time FLDOE will assume the financial responsibilities in relation to implementing the data collection application and statistical validation model in the production environment. **			

c. State University Data Systems

Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Hire consultant to analyze existing SUDS application architecture	TC, FLBOG	Signed contract with consultant	July 2010 – December 2010
Conduct System Review	CS, FLBOG	Report of final analysis including recommendations for how to rebuild/remediate	January 2011 – March 2011
Hire contractor for SUDS remediation/re-architecture	TC, FLBOG	Signed contract with contractor	April 2011 – June 2011
Perform SUDS enhancement	CS, FLBOG	Recreation/remediation of SUDS	July 2011 – June 2012
Provide Software Training	FLBOG	Training agenda	July 2011 – June 2012

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Perform Software and System Security Analysis and Audit	CS	Final report	June 2012
Receive Database administration support from database vendor	CS	Support for systems	July 2012 – June 2013
Review audit recommendations and implement changes as necessary	TC, FLBOG	Recommendations implemented	August 2012
Hire consultant to perform Software and System Security Analysis and Audit	TC, FLBOG	Signed contract with consultant	April 2012 – May 2012

Proposed Outcome 2: ASSIGN A UNIQUE IDENTIFIER

Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Determine potential contractors regarding unique identifier system (UIS)	Project Director, TC	List of potential contractors	July 2010
Hire contractor to assist with UIS	Project Director	Signed contract with contractor	August 2010 – September 2010
Develop implementation plan (includes system architecture, access & authentication, and security)	CS, Project Director, TC	Implementation Plan	October 2010 – February 2011

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Procure required infrastructure	Project Director	Necessary equipment available for installation	March 2011 – May 2011
Install and prepare required infrastructure	CS, TC	Infrastructure prepared for UIS development	May 2011 – June 2011
Develop UIS	CS, TC	Completed UIS application	July 2011 – October 2012
Test UIS and make necessary revisions	CS, TC	Report of issues discovered during testing that need to be addressed	October 2012 – April 2013
Create online training component	CS, TC	Online training component	April 2013 – June 2013
**Final approval of the UIS will occur in Year 3 of the grant (through June 30, 2013). After Year 3, full deployment will occur beginning July 1, 2014, at which time FLDOE will assume the financial responsibilities in relation to the UIS. Deployment will coincide with the deployment of the upgrade source data systems. **			

Proposed Outcome 3: PUBLIC ACCESS REPORTING TOOL

Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Hire consultant to assist with reporting capabilities feedback	PLT, CS	Signed contract with consultant	February 2011 – March 2011
Conduct stakeholder focus groups	CS	PLT approved focus group guide	April 2011 – June 2011
Create stakeholder feedback Web surveys	CS	PLT approved surveys for each stakeholder group	July 2011
Distribute stakeholder feedback surveys via Web	CS	List of stakeholders	August 2011 – September 2011
Analyze stakeholder feedback surveys	CS	Report submitted to PLT with survey analysis	October 2011

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Begin development of report building tool (including user-defined tables, pre-defined tables, and search function)	TC	Development Plan	October 2011 – September 2012
Test all reporting applications	TC, PLT	Report of issues discovered during testing that need to be addressed	September 2012 – October 2012
Make revisions to reporting applications as necessary	CS, TC	Recommendation to proceed or revise	November 2012
Finalize testing and revisions to reporting applications	CS, TC, RAC	Report of issues discovered during testing that need to be addressed	December 2012 – January 2013
Train FLDOE and FLBOG staff on reporting software	CS	Training session agendas	January 2013 – February 2013
Create online training components	CS, TC	Online training component including downloadable "How To" guide and webcast	February 2013 – March 2013
Test training component	FLDOE's MIS staff, RAC	Report of issues discovered during testing that need to be addressed	April 2013
Create Web search "Help" guide	Project Director, TC, CS	"Help" guide	February 2013 – March 2013
Complete Final Review of reporting applications	TC, RAC, PLT	Memorandum of Approval	May 2013
Deploy reporting applications	TC	Successful implementation	June 2013

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Proposed Outcome 4: DATA MINING TOOL

Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Conduct review of best practices for data mining applications	TC	List of FLDOE's technical requirements for a data mining application	July 2010 – October 2010
Conduct review of data mining tools currently available for purchase	TC	Market Availability Chart	July 2010 – October 2010
Begin procurement of data mining application	TC	Development Plan	November 2010 – January 2011
Prepare technological environment	CS, TC	Procurement and installation of necessary hardware and software	January 2011 – June 2011
Define and organize data set(s) to use in data mining tool	CS, TC, FLDOE program/policy staff	Data sets defined and organized for optimum utilization by the data mining tool; approval by FLDOE	July 2011 – December 2012
Test and revise data mining application	TC, PLT	Report of issues discovered during testing that need to be addressed	January 2013 – April 2013
Create training component for FLDOE and FLBOG staff	CS, TC	Online training component	February 2013 – March 2013
Test training component	FLDOE's MIS staff, RAC	Report of issues discovered during testing that need to be addressed	April 2013

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Task	Person(s) Responsible*	Deliverable(s)	Implementation Dates
Complete Final Review of data mining application	TC, RAC, PLT	Memorandum of Approval	May 2013
Deploy data mining application	TC	Successful deployment	June 2013
Conduct training sessions for FLDOE and FLBOG staff to use data mining tool	TC, PLT, FLDOE technical and program/policy staff, FLBOG technical and program/policy staff	Training session agenda	June 2013

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Project Management and Governance Plan

The Florida Department of Education will be responsible for approval and oversight of all activities associated with this proposal. Nancy Copa, Executive Staff Director of the Division of Accountability, Research, and Measurement, will serve as Project Director and will be responsible for all project management to ensure FLDOE remains on time and within budget.

FLDOE will establish a SharePoint site for this project so that all team members have access to documentation concerning the grant and can easily participate in team discussions online. Additionally, FLDOE will prepare monthly project status reports and meeting minutes to ensure team members remain current on the progress of the project. FLDOE will post the project timeline to the SharePoint site allowing all team members to easily track current and future activities.

Within FLDOE, responsibility for the project will lie within the Division of Accountability, Research, and Measurement[7]. Through the Research Advisory Council and FLDOE staff training sessions, program/policy areas of FLDOE will be engaged. FLDOE will engage members of the Florida Legislature, Florida Board of Governors, Florida Association of MIS, MIS Advisory Task Force, Workforce Education District Data Advisory Council, and Florida Association of District School Superintendents to ensure feedback from all stakeholders is collected and considered during the development and implementation phases of the various components.

The roles of each of these groups are outlined in Figure 2 below.

Figure 2. Project Supporters and Their Role Within the Grant

Partnering Entity	Relationship to FLDOE	Role Within the Grant
Florida Association of District School Superintendents (FADSS)	Organization representing all 67 district school superintendents in Florida. The Department uses FADSS as one way to communicate with district leadership, and works closely with them for input on pertinent policy decisions.	Work to ensure participation by teachers, principals, and district personnel to provide feedback via focus groups and Web surveys on the reporting tool.
Florida Association of MIS (FAMIS)	Advisory group that works with the Bureau of Education Information and Accountability Systems (the Bureau that oversees the PK12 staff and student databases) to develop new data elements and table values, and to ensure data quality	Work with the Bureau of Education Information and Accountability Systems to ensure that the upgrades to the PK12 staff and student databases remain compatible with the PK12 Local Education Agencies.

[7] The Division of Accountability, Research, and Measurement is the division at FLDOE within which the Education Data Warehouse, FETPIP, PK12 staff and student databases, community college staff and student databases, and workforce education databases reside.

Partnering Entity	Relationship to FLDOE	Role Within the Grant
Florida Board of Governors	Governing body for the 11 public state universities in Florida. Collects data related to the public state universities. Provides the data to FLDOE for inclusion in the EDW per Florida statute.	Work with FLDOE to enhance the FLBOG's data system, appropriately modify the ETL programs for data inclusion into the EDW, and to participate in an advisory capacity during Technical Committee meetings regarding the unique identifier system, the report building tool, and the data mining tool.
Florida Legislature	A legislative branch of government that passes laws and the budget for the state. Provides for oversight of the state Executive Agencies; FLDOE is a state Executive Agency.	Provide feedback on the reporting tool via focus groups and Web surveys.
MIS Advisory Task Force (MISATFOR)	Advisory group that works with the Bureau of Community College and Technical Center MIS (the Bureau that oversees the community college staff and student databases) to develop new data elements and table values, and to ensure data quality.	Work with the Bureau of Community College and Technical Center Management Information System to ensure that the upgrades to the community college staff and student databases remain compatible with the community colleges.
Workforce Education District Data Advisory Council (WEDDAC)	Advisory group that works with the Bureau of Community College and Technical Center MIS (the Bureau that oversees the technical center staff and student databases) to develop new data elements and table values, and to ensure data quality.	Work with the Bureau of Community College and Technical Center Management Information System to ensure that the upgrades to the technical center staff and student databases remain compatible with the technical centers.

Staffing

Serving on the Project Leadership Team will be the Project Sponsor and Project Director. The focus of the Project Leadership Team will be to direct the activities of the project and monitor the progress of the project for timeliness and staying within budget. The proposed Project Leadership Team is the same as the Project Leadership Team for the IES' SLDS, Round 3 grant. This permits FLDOE to appropriately coordinate efforts among the two grants to ensure all proposed outcomes are realized.

Mr. Jeff Sellers, Acting Deputy Commissioner of the Division of Accountability, Research, and Measurement, will serve as Project Sponsor. Mr. Sellers has been employed by the State of Florida for the past 28 years in a variety of information system capacities including information security, database administration, and data processing management. He currently supervises the offices within the division which collect a variety of PK12, workforce education, and community college student and staff data, along with the two integrating data systems. Mr. Sellers serves as Project Sponsor of the IES' SLDS, Round 3 grant and previously served as Project Director of the IES' SLDS, Round 1 grant awarded to FLDOE. As Project Sponsor, Mr. Sellers will ensure that adequate resources are devoted to this project. He will approve major deliverables and authorize advancement from one project phase to the next. He is ultimately responsible for ensuring that the project is completed on time and within budget and produces the expected outcomes. He will chair the monthly meetings of the Project Leadership Team and will devote an average of 5 percent of his time to this project.

Ms. Nancy Copa, Executive Staff Director of the Division of Accountability, Research, and Measurement, will serve as Project Director. Ms. Copa has more than 10 years experience as a consulting analyst and project manager; she is Project Director of the IES' SLDS, Round 3 grant. As Project Director, she will be responsible for working with the Project Sponsor to select the external consultants and determine the skill sets required. The Project Director provides management oversight, monitors the performance of all project teams, and is the liaison to the external project manager and contract staff. Ms. Copa will also ensure that any changes in the scope of the project are properly documented and approved by the Project Sponsor. She will prepare monthly project status reports and distribute them to all members of the project as well as complete all documentation required by the United States Education Department. Ms. Copa is expected to devote 25 percent of her time to this project.

Serving on the Technical Committee and reporting to the Project Director will be three data advisors. The purpose of the Technical Committee will be to design and implement the technical aspects of the source data system upgrades, unique identifier system, data mining tool, and reporting building tool. Committee members will participate in regular meetings and will receive monthly progress reports. Committee members will devote an estimated 25 percent of their time to this project. In an effort to maintain consistency and collaboration between Statewide Longitudinal Data System grants, the Technical Committee members are the same as those participating on the Technical Committee for the IES' SLDS, Round 3 grant.

Mr. Andre Smith, Director of the PK20 Education Data Warehouse, will serve as Technical Manager. Mr. Smith will be responsible for coordinating Technical Committee meetings. Mr. Smith has almost 11 years experience with the FLDOE data systems.

Mr. Lavan Dukes, Bureau Chief of Education Information and Accountability, will serve as PK12 Data Advisor. Mr. Dukes has been with the FLDOE for 33 years and has been involved with PK12 data collection since its inception. Mr. Dukes was one of the staff who designed and implemented the original PK12 data system for FLDOE.

Mr. Gene Kovacs, Bureau Chief of Community College and Technical Center MIS, will serve as Community College and Workforce Education Data Advisor. Mr. Kovacs has been involved in community college and workforce education data for more than ten years. Prior to his experiences with data, Mr. Kovacs taught workforce education in two Florida public school districts.

In addition to the FLDOE staff described above, a Research Advisory Council will be used for the purposes of this project. A Research Advisory Council is being established to assist with the proposed outcomes of the IES' SLDS, Round 3 grant. Since many of the outcomes FLDOE proposes for the ARRA's SLDS grant program are interconnected with those of the IES' SLDS, Round 3 grant, we propose creating a subcommittee from the Round 3 Research Advisory Council to use for this grant proposal. The subcommittee would consist of 75% participation from the existing Research Advisory Council and 25% participation from new members.

The Research Advisory Council will consist of internal and external researchers who have extensive experience with FLDOE's data as well as teachers, superintendents, and legislative staff. Internal researchers may include some of those named earlier in this proposal as well as other FLDOE staff who routinely utilize the PK20 Education Data Warehouse and the source data systems. The external researchers will represent the Board of Governors, and institutions of higher education in- and outside of- Florida who have received FLDOE's longitudinal education data for their own research purposes. The function of this committee will be to advise the FLDOE in the functionality of the various applications proposed herein.

FLDOE will contract with technology contractors to assist in the design, development, and implementation of the source data system upgrades, the unique identifier system, the data mining tool, and the public access reporting tool. The contractors will also assist with the development of the online training components for these applications. FLDOE will contract with consultants to conduct the focus groups and Web surveys for feedback to assist in designing the reporting tool. All contracted services will be managed by the Project Director. Selection of the contractors and consultants will be conducted per the selection process required by Florida law.

Project Narrative

Project Narrative - Appendix A, Optional Attachments

Attachment 1:
Title: **Florida Appendix A** Pages: **5** Uploaded File: **U:\Economic Stimulus\SLDS ARRA\Grant Sections\Appendix A_Addl Docs.doc**

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Appendix A
Documents Supporting FLDOE'S Grant Proposal

1. 27 SOURCES OF DATA INCORPORATED INTO FLORIDA'S PK20 EDUCATION DATA WAREHOUSE

Source	Description
Bright Futures	Student information for those who receive a Bright Futures Scholarship (Florida's merit-based scholarship program)
CC Financial Aid	Student information for students who receive financial aid from a Community/State College
CC Staff	Community College staff data
CC Student	Community College student data
CCD	Course Code Directory – Contains information on PK12 courses
College Board (SAT & AP)	SAT and Advanced Placement (AP) assessment scores and test dates
Evaluation and Reporting	School Grades and Adequate Yearly Progress (AYP) data
Facilities	K12 Facilities data (Educational Facilities Information System (EFIS))
FCAT	Florida Comprehensive Assessment Test (FCAT) scores
FELE	Florida Educational Leadership Examination assessment scores
FETPIP	Florida Education and Training Placement Information Program (student outcomes) data
FFELP	Federal Family Education Loan Program data (provided by the Florida Office of Student Financial Aid (OSFA))
FSAG	Florida Student Assistance Grant data (provided by the Florida Office of Student Financial Assistance (OSFA))
FTCE	Florida Teacher Certification Examination assessment scores
GED	General Educational Development diploma data
Kindergarten Screenings	Kindergarten Readiness assessment
PK12 Finance	PK12 funding and finance data
PK12 Staff	PK12 staff data
PK12 Student	PK12 student data
SCNS	Statewide Course Numbering System – Contains information on postsecondary courses
SSFAD	State Student Financial Aid Database (provided by the Florida Office of Student Financial Assistance (OSFA))
SUS Financial Aid	Student information for students who receive financial aid from a state university
SUS Staff	State university staff data

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Source	Description
SUS Student	State university student data
Teacher Certification	Teacher certification data for those certified in Florida
VPK Participants	Student data for those who participate in the Voluntary Prekindergarten program
WDIS	Workforce Development Information System

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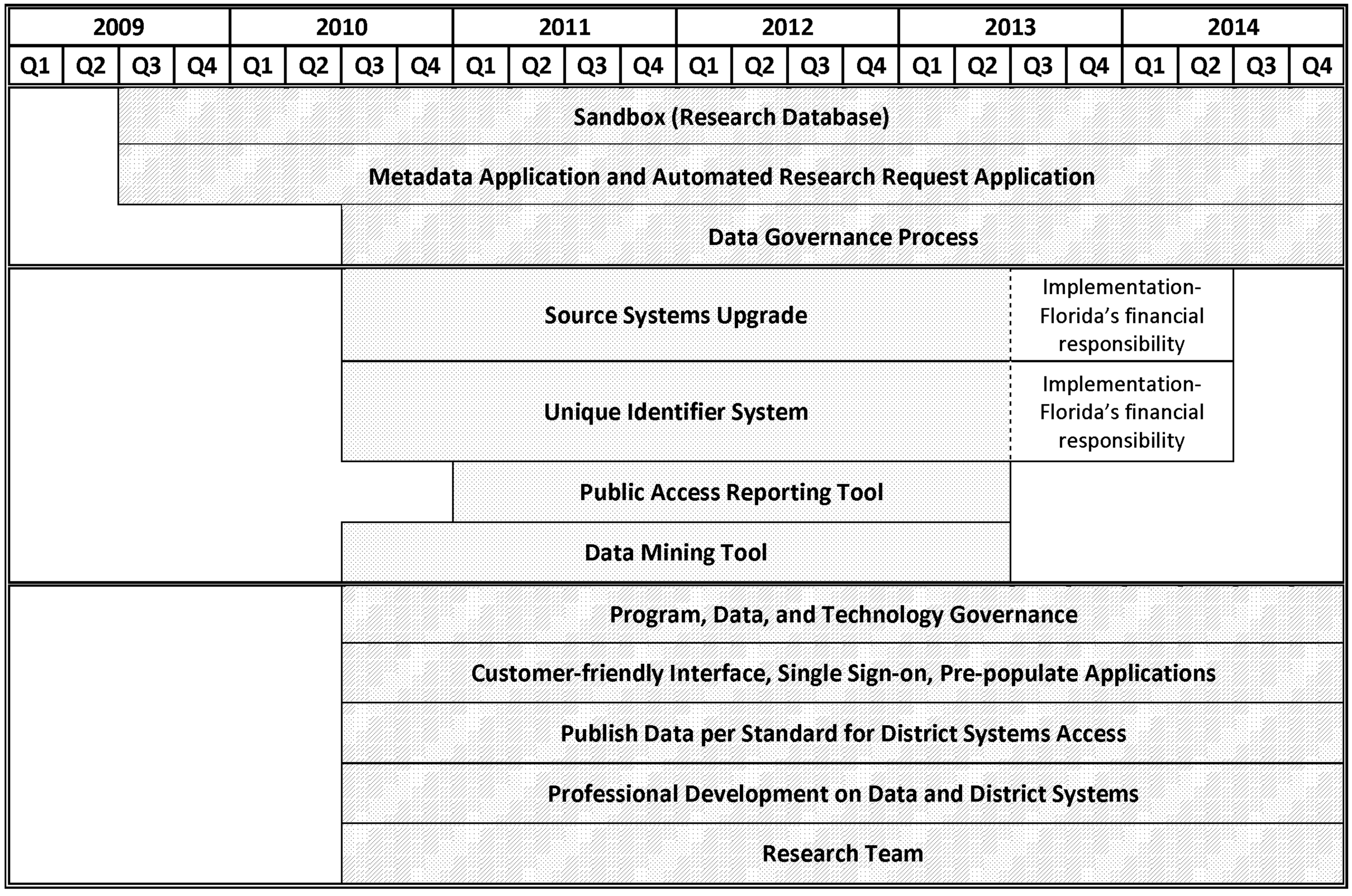
2. TIMELINES AND PROJECTED OUTCOMES FOR FEDERAL GRANTS PERTAINING TO THE STATEWIDE LONGITUDINAL DATA SYSTEM



*Note: Years are based on the calendar year. Q1=Jan, Feb, Mar; Q2=Apr, May, Jun; Q3=Jul, Aug, Sep; Q4=Oct, Nov, Dec

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3. MAJOR TASKS ASSOCIATED WITH FLORIDA'S USE OF FEDERAL FUNDS

Proposed Outcome	Federal Grants			
	R1	R3	ARRA	RTTT
Data Collection			✓	
Upgrade K12 staff and student data system			✓	
Upgrade Community College staff and student data system			✓	
Upgrade Workforce Education staff and student data system			✓	
Provide unique identifier system for LEAs and State use			✓	
Incorporate facilities data into the Education Data Warehouse	✓			
Incorporate financial data into the Education Data Warehouse	✓			
Provide near real time updates to K12 staff and student data			✓	
Assessment			✓	
Rapid time reports for computer-based assessments			✓	
Policy Making and Evaluation			✓	
Implement Data Mining tool			✓	
Stakeholder Access to Data	✓	✓	✓	✓
Secure access for education researchers (Sandbox)		✓		
Data mart for financial data and facilities data	✓			
Data mart for FETPIP (workforce, military, incarcerations)	✓			
Report building tool for public			✓	
Teacher access to student data				✓

R1 – Institute of Education Sciences' Statewide Longitudinal Data System Grant, Round 1
R3 – Institute of Education Sciences' Statewide Longitudinal Data System Grant, Round 3
ARRA – American Recovery and Reinvestment Act's Statewide Longitudinal Data System Grant
RTTT – American Recovery and Reinvestment Act's Race to the Top Grant

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Proposed Outcome	Federal Grants			
	R1	R3	ARRA	RTTT
Training and Technical Assistance				
For districts on submitting to upgraded source systems			✓	
For LEAs and State on using unique identifier system			✓	
For education researchers on Sandbox		✓		
For public on using report building tool			✓	
For teachers on accessing student data				✓

R1 – Institute of Education Sciences' Statewide Longitudinal Data System Grant, Round 1
R3 – Institute of Education Sciences' Statewide Longitudinal Data System Grant, Round 3
ARRA – American Recovery and Reinvestment Act's Statewide Longitudinal Data System Grant
RTTT – American Recovery and Reinvestment Act's Race to the Top Grant

Project Narrative

Project Narrative - Appendix B Resumes of Key Personnel

Attachment 1:
Title: **Florida Appendix B** Pages: **14** Uploaded File: **U:\Economic Stimulus\SLDS ARRA\Grant Sections\Appendix B_Resumes.doc**

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Appendix B – Resumés of Key Personnel

Project Sponsor, Jeff Sellers

PROFESSIONAL EXPERIENCE:

January 2009 to Present
Acting Deputy Commissioner
Division of Accountability, Research, and Measurement
Florida Department of Education
Manage the offices which oversee the major student and staff education data systems for Florida, which include PK-12, Community College, Workforce Education and the PK20 Education Data Warehouse.

Florida Department of Education

February 2007 to January 2009
Assistant Deputy Commissioner

February 2003 to February 2007
Director, K20 Education Data Warehouse

September 2001 to February 2003
Education Data Warehouse Technical Manager

September 2000 to September 2001
Data Base Coordinator

August 1999 to September 2000
Technical Support Manager

March 1996 to August 1999
Systems Project Administrator

March 1995 to February 1996
Programmer/Analyst Manager
Florida State University

April 1994 to March 1995
Programmer/Analyst Supervisor
Florida Department of Education

April 1993 to April 1994
Systems Project Analyst
Florida Department of Education

March 1990 to April 1993
Computer Programmer/Analyst I, II
Florida Department of Education

October 1987 to March 1990
Computer Operations Supervisor
Florida State University

August 1981 to October 1987
Computer Operator I, II, III
Florida State University

Prior duties include: Direct the activities of the K-20 Education Data Warehouse (EDW) team in the planning, scheduling, implementation and enhancements of the EDW. Establish priorities and allocation of available resources for EDW team. Serve as the point of contact for issues, e.g., networking, software, hardware, and system access; consulting and advising on specific application of data warehouse methodology to the K-20 environment, liaison between the department and hosting agencies (STO & NWRDC), evaluate and approve EDW hardware and software purchases. Conducting the original EDW needs assessment; participating in the vendor selection, involved in defining the EDW scope of work through the negotiations. Manager of the Education Data Center's Data Base Administration section, DOE's Oracle software and services coordinator, coordinate the DOE's initiative to establish a common database architecture, assist with the acquisition of products and services related to this common architecture, provide technical guidance and assistance to department staff in the use and maintenance of database products and services.

Plan and coordinate the organization, definition, security, implementation and maintenance of data base structures. Coordinate standards for a data dictionary to ensure uniformity of definitions. Review proposals for data base information systems for conformity to standards, proper content and efficient data base structure. Recommend implementation if merited or

design modifications if warranted. Coordinate research and technical evaluations of new development in hardware and software to provide Data Center management with recommendations for improved staff productivity and system efficiency in the data base environment. Database administrator for the PK12 student database.

EDUCATION:

Florida State University
Bachelor of Science, 1989

Tallahassee Community College
Associate of Arts, 1985

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Project Director, Nancy Copa

PROFESSIONAL EXPERIENCE:

August 2008 to Present
Executive Staff Director
Division of Accountability, Research, and Measurement
Florida Department of Education

- Serve as Project Director for the Institute of Education Sciences' Round 3 grant project.
- Manage and coordinate projects assigned to the Division of Accountability, Research, and Measurement.
- Assist divisional support areas responsible for responding to project requirements.
- Complete and submit project status reports on behalf of the Division as required.
- Serve as the legislative liaison for the Division.
- Work in conjunction with the Customer Relations Manager of the PK20 Education Data Warehouse in reviewing data requests and analytical review of the results.
- Oversee data sharing agreements between the department and other qualified entities.
- Oversee redesign of external research request process.

June 2008 to August 2008
Deputy Director of Research
Division of Community Colleges
Florida Department of Education

- Supervise staff in the Research and Evaluation Office; manage workloads and tasks assigned to all staff.
- Participate on committees related to community colleges by providing expert knowledge on the community college state databases and common research practices.
- Establish and maintain communications with the Division of Accountability, Research, and Measurement which houses the Community College and Technical Center MIS, the Educational Data Warehouse, and Florida Education and Training Placement Information Program (FETPIP).
- Serve as Division of Community Colleges' liaison to the Department of Education Data Request group and to the MIS Advisory Task Force (MISATFOR).
- Develop methodologies, run statistical analyses, and write reports and program reviews to be published for the general public and presented to the Community College System's Council of Presidents, Council for Instructional Affairs, and Council for Student Affairs.
- Conduct analyses and act as a resource for all evaluation and research for the Division. Respond to requests submitted by reporters, staff, institutions, and the general public.
- Coordinate the completion of and conduct analyses for annual reports to be submitted to the Legislature, Governor's Office, and for posting on the Web.

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November 2003 to June 2008
Research and Evaluation Coordinator
Division of Community Colleges
Florida Department of Education

- Create surveys, develop online version, distribute surveys, collect responses, conduct follow-up when necessary, conduct analyses, and write reports on findings. Provide survey assistance to colleagues.
- Participate on committees related to community colleges by providing expert knowledge on the community college state databases and common research practices.
- Establish and maintain communications with the Division of Accountability, Research, and Measurement which houses the Community College and Technical Center MIS, the Educational Data Warehouse, and Florida Education and Training Placement Information Program (FETPIP).
- Serve as Division of Community Colleges' liaison to the Department of Education Data Request group and to the MIS Advisory Task Force (MISATFOR).
- Develop methodologies, run statistical analyses, and write reports and program reviews to be published for the general public and presented to the Council of Presidents, Council for Instructional Affairs, and Council for Student Affairs.
- Coordinate and moderate annual meeting with Florida's participating institutions in a national five-year initiative funded by The Lumina Foundation for Education. Supervise staff associated with the initiative. Manage project budget and write annual reports to be submitted to managing initiative partner.
- Conference Coordinator and chair of conference planning committee for the annual Connections conference offered to all 28 community colleges. More than 150 participants attended the 2008 Connections conference and keynote presentations by nationally recognized education leaders.
- Design and maintain Research and Evaluation Office's Web page to post data and reports.

MGT of America, Inc.

March 2002 to October 2003
Senior Analyst, Program Evaluation Area

March 2000 to March 2002
Analyst, Disparities Area and Program Evaluation Area

June 1999 to March 2000
Research Associate, General Staff Area

- Supervised staff, met with clients, managed project budgets, developed methodologies, created data collection instruments (including survey, interview questionnaire, and focus group questionnaire), analyzed data, and wrote reports.
- Created online data collection forms, surveys, focus group guides, interview guides, and data collection manuals. Conducted and analyzed numerous surveys, focus groups, interviews, teacher and student assessments, and training.
- Developed and implemented methodology, and conducted data analysis on multiple projects, including 7 projects for education.
- Developed and implemented process for distribution, collection, scoring, analysis, and reporting of the Gates-MacGinitie Reading Test (GMRT) for the state of Georgia.
- Developed and implemented process for staff to distribute, collect, and enter surveys to more than 2,500 respondents for the Institute for Intergovernmental Research.
- Supervised staff in data collection and analysis on multiple projects, including development and maintenance of a database to collect individual special education plans for 10,000 students.
- Experienced observer using Early Childhood Environment Rating Scale (ECERS) and Family Day Care Rating Scale (FDCRS).
- Supervised the Data Entry unit which involved onsite data collection and data entry in an efficient and effective manner.

EDUCATION:

Florida State University, Tallahassee Florida
Post-Master's Certificate, Institutional Research, 2004

Florida State University
Master of Science, 1999

College of Charleston
Bachelor of Arts, 1996

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Technical Manager, Andre Smith

PROFESSIONAL EXPERIENCE:

2007 to Present
Director, PK20 Education Data Warehouse
Division of Accountability, Research, and Measurement
Florida Department of Education

- Administers the daily operations of the PK20 Education Data Warehouse (EDW)
- Directs staff in all activities regarding the EDW maintenance and growth
- Manages all data integration projects involving the EDW for completeness and accuracy
- Develops indicators of efficiency and effectiveness, gathers data and customer feedback to manage the improvement of the work unit's products and services
- Directs all policy matters as it relates to the EDW

2004 to 2007
Director, Florida Education & Training Placement Information Program
Division of Accountability, Research, and Measurement
Florida Department of Education

- Provided leadership in collecting, processing, and analyzing education and training related program follow-up data
- Developed work unit plans that specify measurable objectives based on strategic and integrated plans
- Oversaw improvements to the work processes using customer requirements in redesigning process to ensure quality
- Supervised the development of software, displays, reports, system, and other data processing tools that support the mission of the unit
- Managed the Unit's security and access policy where it pertained to individually-identifiable student data
- Directed the activities of staff necessary to maintain and enhance the Florida Education and Training Placement Information Program (FETPIP)

1999 to 2004
Senior Data Base Analyst
Division of Accountability, Research, and Measurement
Florida Department of Education

- Responsible for standards and design of physical data
- Storage, maintenance, access and security administration
- Designed, developed, implemented, and maintained computer application systems
- Developed and maintained databases
- Developed controls to ensure accuracy of reports

- Converted mainframe system into a Data Warehouse using Oracle as Relational Database Management System
- Optimized database access and allocated/re-allocated Database resources for optimum configuration and database performance

1998 to 1999
Systems Project Analyst
Division of Accountability, Research, and Measurement
Florida Department of Education

- Developed, tested, and documented computer programs
- Worked with external agencies
- Produced record linkages
- Produced outcome reports
- Served as liaison for data processing counterparts in other agencies
- Provided technical assistance to external agencies

1997 to 1998
Computer Programmer Analyst I
Division of Accountability, Research, and Measurement
Florida Department of Education

- Developed programs for collecting data to measure Florida's public schools, vocational institutions, community colleges, and universities' performance outcomes
- Produced data reports
- Worked with analysts and data managers to provide batch input for computer linkages with follow-up applications

1996 to 1997
Computer Lab Technician
Florida A&M University

- Coordinated the day-to-day operational management of the electronic classroom computer network
- Conducted software training for faculty, students, and staff
- Tested, evaluated and installed new software
- Assisted students with Access and Excel programs

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EDUCATION:

Florida State University
Master of Science, Educational Leadership/Administration

Florida State University
Bachelor of Science, Management Information Systems

Florida State University
Bachelor of Science, Criminology

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K12 Data Advisor, Lavan Dukes

PROFESSIONAL EXPERIENCE:

September 1996 to Present
Bureau Chief
Education Information and Accountability
Florida Department of Education

- Establish policy direction for DOE Information Data Base;
- Develop the DOE's data quality initiative for public school districts;
- Develop and manage Bureau budget and personnel issues;
- Provide policy guidance to staff regarding the Department's major statistical publications and presentations;
- Serve as representative of Commissioner on issues dealing with state and federal reporting requirements;
- Serve as Florida representative to the National Cooperative Education Statistics System;
- Represent the Commissioner as legislative liaison for the Division of Technology;
- Represent the Commissioner as liaison to the Education Information Advisory Committee of the Council of Chief State School Officers.

October 1983 to September 1996
Program Director I, II
Education Information and Accountability
Florida Department of Education

- Develop and manage the Florida DOE Information Data Base, including the development of data elements for both student and staff information systems;
- Direct the design of a national reporting system for school safety and discipline reporting for the Safe and Drug Free Schools Program;
- Design and manage a comprehensive public reporting system for student, staff, and program information, including developing an Internet-based publication system which began to move hardcopy publications to the Internet;
- Represent the Commissioner as liaison to the Education Information Advisory Committee of the Council of Chief State School Officers.

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November 1972 to October 1983
Program Specialist II, III; Research Associate
Education Information and Accountability
Florida Department of Education

- Supervise the collection and processing of federal and state data reporting, including IDEA reporting, EEOC reporting, and other specialized reporting for state and federal agencies;
- Established the first nationally acceptable automated system of reporting to compliance agencies in the federal system of reporting;
- Serve as data liaison for various state task forces/committees, including the Commissioner's Task Force on Truancy and Discipline and the Council on Teacher Education.

September 1967 to June 1971
Classroom Teacher
Union and Suwannee School Districts, Florida

- Taught English at the Jr. High/Middle School

EDUCATION:

Florida State University
Master of Education, Educational Administration, 1972

Valdosta State University
Bachelor of Science, Education, 1969

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Community College and Workforce Education Data Advisor, Gene Kovacs

PROFESSIONAL EXPERIENCE:

March 2008 to Present
Bureau Chief of Community College and Technical Center MIS
Accountability, Research, and Measurement
Florida Department of Education

- Oversee the collections and reporting/analysis of Florida College System data and the data reporting/analysis of all of Florida's Workforce Education data.
- Oversee project management for all phases of Management Information Systems design, development, and implementation.
- Facilitate strategic planning to introduce and implement new technological data systems.
- Implement required State and Federal legislation and other policies as they relate to College and Workforce data systems.
- Develop and present recommended process improvements to MIS Advisory Task Force (MISATFOR) and Workforce Education District Data Advisory Council (WEDDAC).
- Responsibilities include departmental data requests as well as request from State Legislative staff, Federal Government agencies, and other outside entities.

April 2002 to March 2008
Systems Programming Administrator
Community College and Technical Center MIS
Florida Department of Education

- Oversee the Extraction, Transformation, and Loading (ETL) process for the Facilities and Capital outlay Database (FCO), Personnel Database (PDB), Annual Personnel Reports (APR), and Integrated Database (IDB).
- Responsibilities include internal departmental data requests as well as request from State Legislative staff, Federal Government agencies, and other outside independent entities.
- Coordinate the development and presentation of recommended process improvements to MIS Advisory Task Force (MISATFOR).
- Implement approved MISATFOR recommendations.
- Evaluate new and existing Florida Statues in order to design and implement system changes as required.
- Act as a facilitator for all 28 Community College Reports Coordinators in order to improve data submission processes with an emphasis on data accuracy and timeliness.

June 1998 to March 2002
Computer Systems Analyst
Pensacola Junior College

- Conduct business systems analysis
- Design and troubleshoot the Payroll/Human Resource system for The Florida Community College Computer Consortium.
- Design, develop, test, debug and implement electronic reports for administrative support, custom user interface panels/screen for transaction data systems, and payroll batch processing programs.
- Provide daily system maintenance including system backup and payroll procedural functions.
- Document programming changes.
- Design, create, and distribute instructional documentation.
- Maintain all IRS/SSA electronic reporting systems.
- Serve as Lead programmer for Web enabling current Payroll/HR mainframe based systems.

August 1995 to May 1998
Business Technology Instructor
Escambia County School District

- Manage all phases of instruction within a 9-12 secondary computer lab setting.
- Implement new and existing technologies into classroom instructional environment.
- Participate as an active member of Technology Committee.
- Assist in creation and implementation of technology workshops for state Professional Development requirements.
- Adapt curriculum and technologies for incorporation of mainstreamed special needs students into a normal classroom environment.
- Develop assessments for Business Technology Education courses including Introduction to Computer Science, Web Page Design, and Intro to Business Computer Applications.

August 1994 to August 1995
Special Education Voc. Ed. Coordinator
Santa Rosa County School District

- Adapt course materials for Special needs students for all vocational courses at Locklin Technical Center.
- Provide training and support for vocational teachers for special needs materials integration and implementation into their classroom environments.
- Coordinate scheduling and supervised activities of a job coach and a teacher assistant.
- Develop new job sites for off campus special needs job-training purposes.

EDUCATION:

The University of West Florida
Master of Education, 2002

The University of West Florida
Bachelor of Science, 1994

Project Narrative

Project Narrative - Appendix C Current Status of State's Longitudinal Data System

Attachment 1:
Title: **Florida Appendix C** Pages: **4** Uploaded File: **U:\Economic Stimulus\SLDS ARRA\Grant Sections\Appendix C_Current Status.doc**

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Appendix C
Current Status of State's Longitudinal Data System

7 System Capabilities

ELEMENT	FLORIDA'S CURRENT STATUS	RELEVANT OUTCOMES
The system must enable States to examine student progress and outcomes over time including students' preparation to meet the demands of postsecondary education, the 21st century workforce, and the Armed Forces. Such a system must include data at the individual student level from preschool through postsecondary education and into the workforce (e.g., employment, wage, and earnings information)	FLDOE's EDW currently includes data from 27 different data sources (see Appendix A) including all education sectors (secondary, technical and postsecondary) and FETPIP's data, which includes employment, wage, military service, and incarcerations.	N/A
The system must facilitate and enable the exchange of data among agencies and institutions within the State and between States so that data may be used to inform policy and practice. Such a system would support interoperability by using standard data structures, data formats, and data definitions to ensure linkage and connectivity among the various levels and types of data.	FLDOE's EDW serves as the common data system to link various levels and types of data. Each of the source systems that provides data to the EDW was developed with its own structure and data formats. The EDW employs an Extract-Transform-Load process that supports the conformity of data for linkage purposes.	N/A
The system must link student data with teachers, i.e., it must 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.	FLDOE's EDW currently has this capability and has successfully run analyses on this topic. Additionally, FLDOE is participating in the Teacher-Student Data Link Project.	N/A

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ELEMENT	FLORIDA'S CURRENT STATUS	RELEVANT OUTCOMES
The system must enable the matching of teachers with information about their certification and teacher preparation programs, including the institutions at which teachers received their training.	FLDOE's EDW recently matched its data with FLDOE's teacher certification data system to create a data mart that allows stakeholders to evaluate the effectiveness of the various certification routes for teachers.	Pre-defined reports can be developed on this topic.
The system must enable data to be easily generated for continuous improvement and decision-making, including timely reporting to parents, teachers, and school leaders on the achievement of their students.	FLDOE's EDW successfully generates reports and data for improvement and decision-making. FLDOE seeks to improve this element with funding from this grant and from Race To The Top.	The report building tool, predefined tables, and Web search capability proposed in this application will address this element. Additionally, the Race To The Top application will address rapid-time reporting of student assessment results to teachers.
The system must ensure the quality and integrity of data contained in the system.	FLDOE's source systems are responsible for the quality and integrity of the data. Currently, they have edit programs to assist the LEAs in confirming the quality of the data. FLDOE seeks to improve this element with funding from this grant.	Upgrading the source systems to make them more compatible with the systems at the LEAs will improve data quality. Training to the LEAs in how to submit data will improve FLDOE's efforts in this element as well.
The system must provide the State with the ability to meet reporting requirements of the Department, especially reporting progress on the metrics established for the State Fiscal Stabilization Fund and the reporting requirements included in the *EDFacts* data collection and reporting system.	FLDOE's Division of Accountability, Research, and Measurement is meeting regularly with pertinent FLDOE staff to ensure data needs are met. FLDOE regularly meets the reporting requirements for *EDFacts*.	N/A

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12 Essential Elements Required by the America COMPETES Act

ELEMENT	FLORIDA'S CURRENT STATUS	RELEVANT OUTCOMES
With respect to preschool through grade 12 education and postsecondary education:		
A unique statewide student identifier that does not permit a student to be individually identified by users of the system (except as allowed by Federal and State law)	Florida's Education Data Warehouse (EDW) assigns a unique student identifier to each student.	N/A
Student-level enrollment, demographic, and program participation information	FLDOE has collected this information at the K-12 level since 1987, at the community college level since 1989, and at the public university level since the 1975.	Upgrading the source systems to make them more compatible with the systems at the LEAs will improve data quality.
Student-level information about the points at which students exit, transfer in, transfer out, drop out, or complete P-16 education programs	EDW has the ability to track students within and across districts in Florida. Exit codes are assigned to all students K-12. Graduation/program completion for postsecondary programs is also tracked.	N/A
The capacity to communicate with higher education data systems	FLDOE's EDW, which links K-12 to higher education data (among others) has been in existence since 2003.	N/A
A State data audit system assessing data quality, validity, and reliability	The State Auditor General's office reviews data quality by data submission.	Statistical validity tools are one component of the proposed source system upgrades.
With respect to preschool through grade 12 education:		
Yearly test records of individual students with respect to assessments under section 1111(b) of the Elementary and Secondary Education Act of 1965	Assessment data is collected by FLDOE during each test administration and is loaded into the EDW on an annual basis.	N/A
Information on students not tested, by grade and subject	Because all students are in the EDW and assessment data is loaded into the EDW, this information can be generated.	N/A
A teacher identifier system with the ability to match teachers to students	FLDOE's EDW currently has this capability and has successfully run analyses on this topic. FLDOE is participating in the Teacher-Student Data Link Project.	N/A

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ELEMENT	FLORIDA'S CURRENT STATUS	RELEVANT OUTCOMES
Student-level transcript information, including information on courses completed and grades earned	High school transcript information such as courses completed and grades earned is reported to FLDOE and loaded into EDW.	With the upgrade to the PK12 data system, FLDOE will require more periodic data collection from the school districts.
Student-level college readiness test scores	Currently, data is only loaded for students who attend public postsecondary institutions. Recently, agreements with College Board and ACT were signed to incorporate college readiness test scores into the EDW on all Florida public high school students. AICE[1] data will be reported by the districts.	The report building tool, predefined tables, and Web search capability proposed in this application will address the dissemination of information listed in this element.
With respect to postsecondary education:		
Data that provide information regarding the extent to which students transition successfully from secondary school to postsecondary education, including whether students enroll in remedial coursework	EDW can follow students from K-12 to public postsecondary. This includes all test scores, courses taken, and course grades.	The report building tool, predefined tables, and Web search capability proposed in this application will address the dissemination of information listed in this element.
Data that provide other information determined necessary to address alignment and adequate preparation for success in postsecondary education	EDW can follow students from K-12 to public postsecondary. This includes information necessary to address alignment and adequate preparation for postsecondary.	The report building tool, predefined tables, and Web search capability proposed in this application will address the dissemination of information listed in this element.

[1] AICE is an acronym for the Advanced International Certificate of Education

Project Narrative

Project Narrative - Appendix D Letters of Support

Attachment 1:
Title: **Florida Appendix D** Pages: **16** Uploaded File: **U:\Economic Stimulus\SLDS ARRA\Grant Sections\Appendix D_Ltrs of Support.pdf**

APPENDIX D
LETTERS OF SUPPORT

Appendix D contains letters of support from:

- Florida Association of District School Superintendents
- Florida Association of Management Information Systems
- Workforce Education District Data Advisory Committee
- Management Information System Advisory Task Force
- Florida Board of Governors
- Florida House of Representatives PK-12 Policy Committee
- Florida House of Representatives PK-12 Appropriations Committee
- Florida Senate PK-12 Policy Committee
- Florida Senate PK-12 Appropriations Committee
- Center for Educational Leadership and Technology

FADSS
Florida Association of
District School Superintendents

SUPERINTENDENT DEVELOPMENT

GOVERNMENTAL RELATIONS

ORGANIZATIONAL & LEADERSHIP DEVELOPMENT

MR. WILLIAM J. MONTFORD, III
Chief Executive Officer

MR. DON GRIESHEIMER
Associate Executive Officer

Ms. Joy Frank
General Counsel

Mrs. Angela Freeland
Executive Secretary/Office Manager

Ms. Diann Morell
Director of Training and Development

Dr. Luther R. Rogers
Consultant for Executive Services

Ms. Renae Wallace
Staff Assistant

MAILING ADDRESS:

208 South Monroe Street
Tallahassee, FL 32301-1824

Phone: 850-488-5099 or 850-222-2280
Suncom: 278-5099
FAX: 850-921-5273
FAX Suncom: 291-5273

Florida Association of District School Superintendents

October 7, 2009

United States Department of Education
Application Control Center
Attention: CFDA Number 84.384A
LBJ Basement Level 1
400 Maryland Avenue, SW
Washington, DC 20202-4260

Re: Support for Florida Department of Education's ARRA SLDS Grant Proposal

To Whom It May Concern:

I am writing to express my organization's support for the Florida Department of Education's grant proposal for the American Reinvestment and Recovery Act's Statewide Longitudinal Data System grant program.

The Florida Department of Education is proposing a three-year project to upgrade its source data systems, implement a data mining tool, implement a report building tool, and offer the training and technical assistance necessary for each of these components.

The report building tool will encompass three functions. First, a tool will be developed and implemented so users can quickly and easily build tables using aggregate data from the Education Data Warehouse. Second, pre-defined tables will be available for download on the reporting website. Third, a search function will be instituted that will allow users to search all data, statistics and reports publicly available on the Florida Department of Education's and Florida Board of Governors' websites.

During the development of the report building tool, Florida proposes conducting web surveys and focus groups of district personnel and teachers. This letter is to offer our support of the inclusion of the local education agencies (LEAs) and to ensure our participation in these activities. The LEAs will be one of the most frequent users of the report building tools, so it is important our feedback be considered during the development and implementation phases.

We are excited to work with the Florida Department of Education on this valuable effort. My organization strongly supports this proposal.

Sincerely,

William J. Montford, III
Chief Executive Officer

FAMIS
FL ASSOCIATION OF MIS

October 1, 2009

United States Department of Education
Application Control Center
Attention: CFDA Number 84.384A
LBJ Basement Level 1
400 Maryland Avenue, SW
Washington, DC 20202-4260

Re: Support for Florida Department of Education's ARRA SLDS Grant Proposal

To Whom It May Concern:

I am writing to express my organization's support for Florida Department of Education's grant proposal for the American Reinvestment and Recovery Act's Statewide Longitudinal Data System grant program.

The Florida Department of Education is proposing a three-year project to upgrade its source data systems, implement a data mining tool, implement a report building tool, and to offer the training and technical assistance necessary for each of these components.

The Education Data Warehouse is a useful and valuable tool, but requires that the data housed within it be of high quality. This means that the original data collection mechanisms (the source data systems) need to be continually updated to stay current with technology because a breakdown of a source system would result in a breakdown of the Education Data Warehouse. Maintenance and updates of the source systems will allow the longitudinal data system to quickly and accurately load data for easy access to stakeholders.

Florida proposes upgrading the PK-12 staff and student databases which will lead to easier collaboration with the local education agencies. This will also allow Florida to ensure quality during the extraction-transformation-load process into the Education Data Warehouse.

In addition to the upgrade to the source data systems, Florida will develop a new data collection and validation process that will be available to the local education agencies to ensure data quality prior to submission to the State. This new process will ensure a higher level of data quality and provide more timely data to the Department of Education.

During the system upgrade and edit program revisions, Florida proposes working closely with the Florida Association of Management Information Systems, Inc. (FAMIS), an advisory group consisting of representatives from K-12 data systems in Florida education.

This letter is to offer our support of the continued communication between FAMIS and the Florida Department of Education during this revision period. This letter carries with it an understanding of the shared commitment from design to testing to address the technology necessary for successful school/district data reporting end to end.

We are excited to work with the Florida Department of Education on this valuable effort. My organization strongly supports this proposal.

Sincerely,

G. David Smith
Chairman, Florida Association of Management Information Systems
Director, Technology and Information Systems, Bay District Schools

WEDDAC
Workforce Education District Data Advisory Committee

September 1, 2009

United States Department of Education
Application Control Center
Attention: CFDA Number 84.384A
LBJ Basement Level 1
400 Maryland Avenue, SW
Washington, DC 20202-4260

Re: Support for Florida Department of Education's ARRA SLDS Grant Proposal

To Whom It May Concern:

I am writing to express the support of the Workforce Education District Data Advisory Committee (WEDDAC) for the Florida Department of Education's grant proposal for the American Reinvestment and Recovery Act's Statewide Longitudinal Data System grant program.

The Florida Department of Education is proposing a three-year project to upgrade its source data systems, implement a data mining tool, implement a report building tool, and to offer the training and technical assistance necessary for each of these components.

The Education Data Warehouse is a useful and valuable tool which requires that the data housed within it be of high quality. The original data collection mechanisms need to be continually updated to stay current with technology because a breakdown of a source system would result in a breakdown of the Education Data Warehouse. Maintenance and updates of the source systems will allow the longitudinal data system to quickly and accurately load data for easy access by stakeholders.

Florida proposes upgrading the career and adult education databases which will lead to easier collaboration with the local education agencies. This will also allow Florida to ensure quality during the extraction-transformation-load process into the Education Data Warehouse.

In addition to the upgrade to the source data systems, Florida will develop a new data collection and validation process that will be available to the local education agencies to ensure data quality prior to submission to the State. This new process will ensure a higher level of data quality and provide more timely data to the Department of Education.

During the system upgrade, Florida proposes working closely with my organization, the Workforce Education District Data Advisory Committee (WEDDAC). WEDDAC is an advisory group consisting of representatives from Management Information System departments,

Career Education departments, and Postsecondary Education organizations throughout the state. Florida Department of Education currently meets quarterly with WEDDAC to discuss the source data system and the required data collection elements.

This letter is to offer our support of the continued communication between WEDDAC and the Florida Department of Education during this revision period.

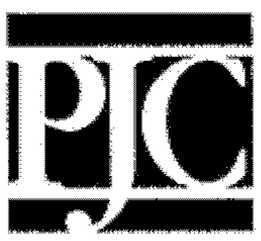
We are excited to work with the Florida Department of Education on this valuable effort. The Workforce Education District Data Advisory Committee strongly supports this proposal.

Sincerely,

Donna Wilson

Donna M. Wilson
Chair
Workforce Education District Data Advisory Committee

901 East Kennedy Boulevard
Tampa, Florida 33602-3507
Office: 813-272-4229
Fax: 813-272-4220
Email: donna.wilson@sdhc.k12.fl.us



PENSACOLA JUNIOR COLLEGE

August 31, 2009

United States Department of Education
Application Control Center
Attention: CFDA Number 84.384A
LBJ Basement Level 1
400 Maryland Avenue, SW
Washington, DC 20202-4260

Re: Support for Florida Department of Education's ARRA SLDS Grant Proposal

To Whom It May Concern:

I am writing to express my organization's support for Florida Department of Education's grant proposal for the American Reinvestment and Recovery Act's Statewide Longitudinal Data System grant program.

The Florida Department of Education is proposing a three-year project to upgrade its source data systems, implement a data mining tool, implement a report building tool, and to offer the training and technical assistance necessary for each of these components.

The Education Data Warehouse is a useful and valuable tool, but requires that the data housed within it be of high quality. This means that the original data collection mechanisms (the source data systems) need to be continually updated to stay current with technology because a breakdown of a source system would result in a breakdown of the Education Data Warehouse. Maintenance and updates of the source systems will allow the longitudinal data system to quickly and accurately load data for easy access to stakeholders.

Florida proposes upgrading the community college integrated databases which will lead to easier collaboration with the local education agencies. This will also allow Florida to ensure quality during the extraction-transformation-load process into the Education Data Warehouse.

In addition to the upgrade to the source data systems, Florida will develop a new data collection and validation process that will be available to the local education agencies to ensure data quality prior to submission to the State. This new process will ensure a higher level of data quality and provide more timely data to the Department of Education.

During the system upgrade, Florida proposes working closely with the Management Information System Advisory Task Force (MISATFOR), an advisory group consisting of representatives from each community college's Management Information System office or Institutional Research office. Florida Department of Education currently meets quarterly with MISATFOR to discuss the source data system and the required data collection elements.

This letter is to offer our support of the continued communication between MISATFOR and the Florida Department of Education during this revision period.

We are excited to work with the Florida Department of Education on this valuable effort. My organization strongly supports this proposal.

Sincerely,

Tammy Vander Hey
Management Information System Advisory Task Force (MISATFOR) Chairperson

Senior Computer Systems Analyst
Management Information Systems
Pensacola Junior College
(850) 484-1979
tvanderhey@pjc.edu

FLORIDA BOARD OF GOVERNORS
325 West Gaines Street - Suite 1614 - Tallahassee, Florida - 32399-0400
(850) 245-0466 - www.flbog.org

October 9, 2009

United States Department of Education
Application Control Center
Attention: CFDA Number 84.384A
LBJ Basement Level 1
400 Maryland Avenue, SW
Washington, DC 20202-4260

Re: Support for Florida Department of Education's American Reinvestment and Recovery Act's Statewide Longitudinal Data System Grant Proposal

To Whom It May Concern:

I am writing to express my organization's support for the Florida Department of Education's (FLDOE) grant proposal for the American Reinvestment and Recovery Act's (AARA) Statewide Longitudinal Data System (SLDA) grant program.

The Florida Department of Education (FLDOE) is proposing a three-year project to upgrade its source data systems, implement a data mining tool, implement a report building tool, and to offer the training and technical assistance necessary for each of these components.

The Education Data Warehouse is a useful and valuable tool, but requires that the data housed within it be of high quality. This means that the original data collection mechanisms (the source data systems) need to be continually updated to stay current with technology because a breakdown of a source system would result in a breakdown of the Education Data Warehouse. One of the main concerns with the Education Data Warehouse and the source data systems is the security of data and the potential threat of identity theft.

Florida proposes the creation of a vault system for student social security numbers (SSNs) and unique identifiers that will have a master hub located at the FLDOE. The hub would serve as the master repository of student demographic

data and other related personally identifiable information, while having a "central node" which controls the use of SSNs. The identifier assigned to the student in the master hub is different than the K20_EDW_ID (the current identifier used by the Education Data Warehouse.) This will ensure that when identified student information is provided to researchers, the information remains confidential and cannot be linked back to the unique identifier used by the Local Education Agencies (LEA). The Florida Board of Governors (FLBOG) will participate in the use of the vault's student identifiers for the transference of student data between FLBOG, FLDOE, and the LEAs.

In addition to creating the vault system, Florida will implement a data mining tool with licenses for FLDOE and FLBOG. The data mining tool will allow FLDOE and FLBOG to efficiently analyze data and search for anomalies that are a result of effective policy practices or areas in need of attention.

Finally, Florida proposes the development of the report building tool will encompass three functions. First, a tool will be developed and implemented so that users can quickly and easily build tables using aggregate data from the Education Data Warehouse. Second, pre-defined tables will be available for download on the reporting web site. Third, a search function will be instituted that will allow users to search all data, statistics, and reports publicly available on the FLDOE and FLBOG web sites.

During the design and implementation phases for each of these components, the FLDOE proposes working closely with the FLBOG to ensure that the exchange of data between the two entities continues working smoothly.

This letter is to offer our support of the continued communication between the FLBOG and the FLDOE during this enhancement period. We are excited to work with the FLDE on this valuable effort. My organization strongly supports this proposal.

Sincerely,

Frank T. Brogan
Chancellor

THE FLORIDA HOUSE OF REPRESENTATIVES
STATE REPRESENTATIVE JOHN LEGG
District 46

LARRY CRETUL
Speaker of the House

RON REAGAN
Speaker pro tempore

October 19, 2009

United States Department of Education
Application Control Center
Attention: CFDA Number 84.384A
LBJ Basement Level 1
400 Maryland Avenue, SW
Washington, DC 20202-4260

Re: Support for Florida Department of Education's ARRA SLDS Grant Proposal

To Whom It May Concern:

As the Chairman of the Florida House of Representatives PreK-12 Policy Committee, I am writing to express support for Florida Department of Education's grant proposal for the American Reinvestment and Recovery Act's Statewide Longitudinal Data System grant program.

The Florida Department of Education is proposing a three-year project to upgrade its source data systems, implement a data mining tool, implement a report building tool, and to offer the training and technical assistance necessary for each of these components.

The report building tool will encompass three functions. First, a tool will be developed and implemented so that users can quickly and easily build tables using aggregate data from the Education Data Warehouse. Second, pre-defined tables will be available for download on the reporting Web site. Third, a search function will be instituted that will allow users to search all data, statistics, and reports publicly available on the Florida Department of Education's and Florida Board of Governors' Web sites.

During the development of the report building tool Florida proposes conducting Web surveys and focus groups of legislative staff. This letter is to offer my support as the chairman of the House Pre K12 Policy Committee, a consistent user of Florida's education data, and to ensure our participation in these activities. Legislative staff will be among the most frequent users of the report building tools therefore it is important that our feedback be considered during the development and implementation phases.

We are excited to work with the Florida Department of Education on this valuable effort. The House of Representative's Education Pre K12 Committee strongly supports this proposal.

Sincerely,

John Legg
State Representative, District 46

REPLY TO:
10014 Grove Drive, Suite B, Port Richey, Florida 34668 (727) 869-8600, FAX: (727) 861-5229
319 The Capitol, 402 South Monroe Street, Tallahassee, Florida 32399 (850) 488-5522, FAX: (888) 635-4617

PreK-12 Policy Committee (Chair) ~Policy Council (Vice Chair) ~PreK-12 Appropriations Committee ~Education Policy Council

Tallahassee Office:
402 South Monroe Street
Room 324 The Capitol
Tallahassee, FL 32399-1300
(850) 488-2831
(305) 922-2925 (fax)

District Office:
1405 SW 107 Avenue
Suite 205C
Miami, FL 33174
(305) 227-7626
(305) 227-7629 (fax)

Florida House of Representatives

Representative Anitere Flores

District 114

October 28, 2009

United States Department of Education
Application Control Center
Attention: CFDA Number 84.384A
LBJ Basement Level 1
400 Maryland Avenue, SW
Washington, DC 20202-4260

Re: Support for Florida Department of Education's ARRA SLDS Grant Proposal

To Whom It May Concern:

As the Chairwoman of the Florida House of Representatives Pre K 12 Appropriations Committee, I am writing to express support for Florida Department of Education's grant proposal for the American Reinvestment and Recovery Act's Statewide Longitudinal Data System grant program.

The Florida Department of Education is proposing a three-year project to upgrade its source data systems, implement a data mining tool, implement a report building tool, and to offer the training and technical assistance necessary for each of these components.

The report building tool will encompass three functions. First, a tool will be developed and implemented so that users can quickly and easily build tables using aggregate data from the Education Data Warehouse. Second, pre-defined tables will be available for download on the reporting Web site. Third, a search function will be instituted that will allow users to search all data, statistics, and reports publicly available on the Florida Department of Education's and Florida Board of Governors' Web sites.

During the development of the report building tool Florida proposes conducting Web surveys and focus groups of legislative staff. This letter is to offer my support as the Chairwomen of the House Pre K12 Appropriations Committee, a consistent user of Florida's education data, and to ensure our participation in these activities.

We are excited to work with the Florida Department of Education on this valuable effort. The House of Representative's Pre K12 Appropriations Committee strongly supports this proposal.

Sincerely,

Anitere Flores

Anitere Flores
Representative, District 114
Florida House of Representatives

Tallahassee, Florida 32399-1100

SENATOR NANCY C. DETERT
Majority Whip
23rd District

Children, Families, and Elder Affairs
Commerce
Education Pre-K - 12 Appropriations
Energy, Environment, and Land Use - Policy and Steering
Environmental Preservation and Conservation
Social Responsibility - Policy and Steering

JOINT COMMITTEE:
Intergovernmental Relations

November 1, 2009

United States Department of Education
Application Control Center
Attention: CFDA Number 84.384A
LBJ Basement Level 1
400 Maryland Avenue, SW
Washington, DC 20202-4260

Re: Support for Florida Department of Education's ARRA SLDS Grant Proposal

To Whom It May Concern:

As the Chairwoman of the Florida Senate Education Pre K 12 Committee, I am writing to express support for Florida Department of Education's grant proposal for the American Reinvestment and Recovery Act's Statewide Longitudinal Data System grant program.

The Florida Department of Education is proposing a three-year project to upgrade its source data systems, implement a data mining tool, implement a report building tool, and to offer the training and technical assistance necessary for each of these components.

The report building tool will encompass three functions. First, a tool will be developed and implemented so that users can quickly and easily build tables using aggregate data from the Education Data Warehouse. Second, pre-defined tables will be available for download on the reporting Web site. Third, a search function will be instituted that will allow users to search all data, statistics, and reports publicly available on the Florida Department of Education's and Florida Board of Governors' Web sites.

During the development of the report building tool Florida proposes conducting Web surveys and focus groups of legislative staff. This letter is to offer my support as the Chairwomen of the Senate Education Pre K12 Committee, a consistent user of Florida's education data, and to ensure our participation in these activities. Legislative staff will be among the most frequent users of the report building tools therefore it is important that our feedback be considered during the development and implementation phases.

REPLY TO:
❒ 417 Commercial Court, Suite D, Venice, Florida 34292 (941) 480-3547
❒ 318 Senate Office Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5081

We are excited to work with the Florida Department of Education on this valuable effort. The Florida Senate's Education Pre K12 Committee strongly supports this proposal.

Sincerely,

Nancy C. Detert

NCD/ca

THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

COMMITTEES:
Education Pre-K - 12 Appropriations, *Chair*
Children, Families, and Elder Affairs
Community Affairs
Education Pre-K - 12
Regulated Industries
Rules
Social Responsibility - Policy and Steering
Ways and Means - Policy and Steering

JOINT COMMITTEE:
Legislative Auditing

SENATOR STEPHEN R. WISE
5th District

October 30, 2009

United States Department of Education
Application Control Center
Attention: CFDA Number 84.384A
LBJ Basement Level 1
400 Maryland Avenue, SW
Washington, DC 20202-4260

Re: Support for Florida Department of Education's ARRA SLDS Grant Proposal

To Whom It May Concern:

As the Chairman of the Florida Senate Education Pre K 12 Appropriations Committee, I am writing to express support for Florida Department of Education's grant proposal for the American Reinvestment and Recovery Act's Statewide Longitudinal Data System grant program.

The Florida Department of Education is proposing a three-year project to upgrade its source data systems, implement a data mining tool, implement a report building tool, and to offer the training and technical assistance necessary for each of these components.

The report building tool will encompass three functions. First, a tool will be developed and implemented so that users can quickly and easily build tables using aggregate data from the Education Data Warehouse. Second, pre-defined tables will be available for download on the reporting Web site. Third, a search function will be instituted that will allow users to search all data, statistics, and reports publicly available on the Florida Department of Education's and Florida Board of Governors' Web sites.

During the development of the report building tool Florida proposes conducting Web surveys and focus groups of legislative staff. This letter is to offer my support as the Chairman of the Senate Education Pre K12 Appropriations Committee, a consistent user of Florida's education data, and to ensure our participation in these activities. Legislative staff will be among the most frequent users of the report building tools therefore it is important that our feedback be considered during the development and implementation phases.

REPLY TO:
X 1460 Cassat Avenue, Suite B, Jacksonville, Florida 32205 (904) 381-6000 FAX: (904) 381-6040
❒ 410 Senate Office Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5027

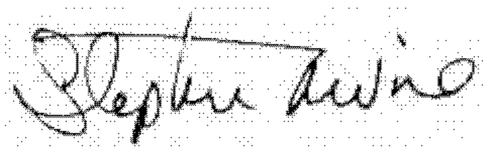
Senate's Website: *www.flsenate.gov*

JEFF ATWATER
President of the Senate

MIKE FASANO
President Pro Tempore

We are excited to work with the Florida Department of Education on this valuable effort. The Florida Senate's Education Pre K12 Appropriations Committee strongly supports this proposal.

Sincerely,



Stephen R. Wise

/da

CELT
Center for Educational Leadership and Technology

65 West Boston Post Road
Marlborough, MA 01752
Tel (508) 624-4474
Fax (508) 624-6575

October 28, 2009

Dear Colleague:

The Center for Educational Leadership and Technology (CELT), in conjunction with its partner, Data Quality Campaign (DQC), with funding from the Bill & Melinda Gates Foundation, is pleased to provide the United States Department of Education's Institute of Education Sciences this letter of support for the Florida Department of Education's Longitudinal Data System Grant application. Recently, the Florida Department of Education was selected by the project staff to be one of five SEA/LEA pilots to participate in a national Teacher-Student Data Link Project.

The Teacher-Student Data Link Project will assist in identifying a common definition for teacher of record and ways of improving the commonality, quality, and use of the data that the states have amassed. The project will include the creation of business requirements for a prototype application teachers will use to validate their student rosters and its pilot implementation. As you will note, this project is closely aligned with IES/LDS grant requirements.

Presently, many states collect data on teachers (certification, education credentials, professional development). However, matching teachers to students at the classroom and/or subject level is critical to developing rubrics for identifying, developing, and sustaining effective teachers. With a valid teacher identifier and capacity to link teachers to student assessment results, policy and decision makers at all levels will be able to identify teacher preparation programs, staff development activities, and specific staff proficiencies and align them with the unique needs of students.

If a successful LDS grant recipient, the Florida Department of Education will be able to apply SEA/LEA resources, Bill & Melinda Gates Foundation funding, and IES/LDS grant funds to build a strong and replicable foundation for developing the processes, policies, applications, and data validation system for aligning teacher and student data. In exchange for supporting the Florida Department of Education's grant application, CELT and DQC are committed to working closely with IES to share research and best practices in the area of Teacher-Student Data Links with other LDS grantees.

We look forward to working more closely with the USDOE and the IES on a myriad of data projects that are important to our respective organizations.

Regards,

John R. Phillipo

Dr. John R. Phillipo
Chief Executive Officer

Budget Narrative

Budget Narrative - Budget Justification

Attachment 1:
Title: **Florida Budget Justification** Pages: **5** Uploaded File: **U:\Economic Stimulus\SLDS ARRA\Grant Sections\Budget Narrative.doc**

Data In…Data Out
(CFDA Number 84.384)

Budget Narrative

FLDOE Contribution

The FLDOE staff assigned to this project are categorized into two teams: Project Leadership Team and the Technical Committee. The annual salary rates assigned to each team is the average annual salary of the team members (see Figure 1). Currently, FLDOE provides benefits in the amount of 34% of an employee's annual salary.

Figure 1. Average Annual Salary of Project Teams

	Average Annual Salary (without benefits)	Benefits as Percentage of Annual Salary	Salary + Benefits
Project Leadership Team	$83,000	34%	$111,220
Technical Committee	$80,000	34%	$104,000

Serving on the Project Leadership Team will be the Project Sponsor and Project Director. The focus of the Project Leadership Team will be to direct the activities of the project; manage contractors, consultants, and vendors; and monitor the progress of the project for keeping within timelines and budget.

The Project Sponsor will dedicate 5% of his time to this project. The Project Director will dedicate 25% of her time to this project.

Serving on the Technical Committee and reporting to the Project Director will be three data advisors. The purpose of the Technical Committee will be to design and implement the technical aspects of the source data system upgrades, unique identifier system, data mining tool, and reporting tools. Committee members will participate in regular meetings and will receive monthly progress reports. Committee members will devote an estimated 25% of their time to this project. In an effort to maintain consistency and collaboration between Statewide Longitudinal Data System grant rounds, the Technical Committee members are the same as those participating on the Technical Committee for the IES' SLDS, Round 3 grant.

In addition to salary and benefits, the FLDOE will also cover travel expenses for one person to travel to Washington, D.C. for the annual meeting regarding the Statewide Longitudinal Data Systems Grant.

FLDOE's contributions are displayed in Figure 2.

Figure 2. FLDOE Contributions to the Project

	% Effort	Year 1	Year 2	Year 3	Total
Project Leadership Team		**$33,366**	**$33,366**	**$33,366**	**$100,098**
Project Sponsor	*5%*	*$5,561*	*$5,561*	*$5,561*	*$16,683*
Project Director	*25%*	*$27,805*	*$27,805*	*$27,805*	*$83,415*
Technical Committee		**$80,400**	**$80,400**	**$80,400**	**$241,200**
Technical Manager	*25%*	*$26,800*	*$26,800*	*$26,800*	*$80,400*
PK12 Data Advisor	*25%*	*$26,800*	*$26,800*	*$26,800*	*$80,400*
Community College and Workforce Education Advisor	*25%*	*$26,800*	*$26,800*	*$26,800*	*$80,400*
Travel for one to Washington, DC[1]		**$2,000**	**$2,000**	**$2,000**	**$6,000**
Project Total		***$115,766***	***$115,766***	***$115,766***	***$347,298***

Partnering Entities' Contributions

Florida Board of Governors. The FLDOE will work closely with the FLBOG on the proposed components of the project to ensure that any changes made to the systems in either entity will not adversely affect the interoperability of the systems. The FLBOG will assign a minimum of three staff to work with the FLDOE on this project. Serving on the FLBOG Coordinating Team will be the Chief Information Officer/Assistant Vice Chancellor (CIO), Senior Data Base Administrator (Senior DBA), and Assistant Director of Information Resource Management (IRM).

Management Information System (MIS) Advisory Groups. The MIS advisory groups supporting this grant include the MIS Advisory Task Force (related to community colleges), Workforce Education District Data Advisory Council (related to workforce education), and Florida Association of MIS (related to PK-12). Their contribution to the project will be travel to the regularly scheduled advisory group meetings where they can provide feedback during the design and implementation phases of the system redesigns. Their feedback will be important to the success of the project because discussions with these groups will ensure that Florida does not jeopardize the ability of Local Education Agencies to share data with FLDOE.

Florida Association of District School Superintendents. The Florida Association of District School Superintendents will contribute time for teachers, principals, and district staff to participate in focus groups and the Web surveys to be conducted. Their participation is necessary to ensure the reporting tool and its capabilities are useful to these important stakeholders.

Florida Legislature. The Florida Legislature and its relevant committees on education will contribute time for legislative staff to participate in focus groups and the Web surveys to be

[1] Flights from Tallahassee to Washington, DC are currently $220-$450. Hotels in Washington DC near the United States Department of Education are currently $350-$450 per night. Using the high end of the range calculates the trip at $1,350 plus meal expenses, cab fare, airport parking, and additional airfare expenses such as luggage. Therefore, travel is estimated at $2,000 to allow for price fluctuations over the course of the project.

conducted. Their participation is necessary to ensure the reporting tool and its capabilities are useful to these important stakeholders.

SLDS Grant Contribution

FLDOE's proposal consists of four proposed outcomes. For this grant project, FLDOE proposes a budget of $9,975,288[2] to complete the tasks necessary to realize the four outcomes.

When considering the budget necessary for achieving each of the outcomes, FLDOE considered where items in each budget category could be coordinated across outcomes and made the appropriate adjustments. For the source data system upgrades, for instance, hardware is purchased separately for each system. The reason is that each system will require its own hardware so that if there is a technical difficulty with one system requiring that the system shut down, it will not shut down the other systems making all data inaccessible simultaneously.

In addition to the four proposed outcomes, the budget will cover travel expenses for one person to travel to Washington, D.C. for the annual meeting regarding the Statewide Longitudinal Data Systems Grant.

The budget for each of the proposed outcomes is discussed below and detail is provided in Section C of ED 524.

Proposed Outcome 1: Upgrade source data systems. The first proposed outcome is designed to upgrade the PK12, community college, workforce education, and state university data systems where necessary. FLDOE is requesting:

$3,149,604	PK12 data system
$2,177,935	Community College and Workforce Education data systems
$599,000	State University data system
$5,926,539	Total

The budget necessary to upgrade the PK12 data system is the largest because the data system is the largest of the source systems.

Funding for training is included in the budget for proposed outcome 1. Training will be necessary for FLDOE and FLBOG staff prior to the implementation of the new system so that they attain the skills necessary to assist in the implementation process. Training will also be necessary for MIS staff at the LEAs to ensure they are prepared for the deployment of the new system and processes.

PK12, Community College, and Workforce Education Source Data Systems. The majority of the budget request is for hardware and staff augmentation. FLDOE staff are currently at maximum workload capacity and the skill set necessary to perform the redesign of the data system necessitates that much of the work be performed by additional staff specifically for this project. For the redesign of these three systems FLDOE plans to employ three statistical/data analysts,

[2] This figure includes both direct and indirect costs for the project.

four web programmers, seven system programmers, one data modeler and two network administrators during the life of the project. Detailed information about these staff including the expected hourly wage and number of weeks FLDOE expects to contract with the staff can be found in Section C of ED 524 included with our proposal.

FLDOE will upgrade the current infrastructure and purchase additional hardware and software. Potential purchases would include rack/power accessories, backbone servers, Web servers, midtier and database servers, storage devices, and software. However, the figures provided in the budget are just estimates because the goal of Year 1 is to determine the technological requirements for each of these systems, and then procure the appropriate software and hardware.

State University Data System. The budget requested for the State University data system component is $599,000. Because FLBOG recently upgraded the State University data system this proposal is to provide upgrades to enhance the efficiency of the system where previous funding necessitated limitations. For this reason, FLDOE is requesting a modest amount of funds for hardware with the bulk of the funds being appropriated (1) for contracted services to conduct a system review and to conduct a system and security audit and (2) for staff augmentation to implement the necessary database remediation/re-architecture.

Proposed Outcome 2: Assign a Unique Identifier. The second proposed outcome is to create a system that will assign unique identifiers for sharing data between and among the LEAs and the State. This proposed outcome will alleviate the need to use student Social Security Numbers when tracking students because student confidentiality is a top priority with FLDOE.

In order to create the unique identifier system, FLDOE will need to purchase additional hardware and software. FLDOE is requesting funds for hardware with the bulk of the funds being appropriated for (1) software, and (2) staff augmentation.

Because the unique identifier system will be a new concept for the LEAs, FLDOE has budgeted for four regional meetings to be held across the state. Each meeting will include representatives from the school districts, community colleges, technical centers, and state universities. Since all sectors will use the same system, FLDOE is able to train all sectors at the same time. Holding regional training meetings will reduce the time needed for travel by the LEAs ensuring that all LEAs have an opportunity to be trained. Additionally, FLDOE has included $5,000 to record the regional training meetings so that they can be included as webcasts on FLDOE's Web site. This will be useful for any staff unable to attend a training, staff wanting a refresher on the topic, and newly hired staff.

Proposed Outcome 3: Public Access Reporting Tool. The third proposed outcome is to provide data to stakeholders in a user friendly format via the Web. During Years 1 and 2, FLDOE will hire a consultant to conduct focus groups and Web-based surveys with FLDOE's stakeholders. These results of these efforts will be used to determine the design of the Web interface and the functionality of the reporting mechanisms for this proposed outcome. The consultant is budgeted for 520 hours at a rate of $150 per hour. However, this is an estimate and is subject to change during the contracting phase with the consultant.

The majority of the budget for this outcome is dedicated to staff augmentation. As mentioned earlier, FLDOE staff are at workload capacity. Therefore, it will be necessary to augment staff with a Web programmer and system programmer to perform the tasks associated with this outcome.

The budget allocates funds for training. Several online training components will be developed during this grant period that will allow stakeholders to easily understand how to use the various reporting mechanisms developed.

Proposed Outcome 4: Data Mining Tool. The fourth proposed outcome is to implement a data mining tool so that FLDOE can identify best practices and problem areas more quickly. Data mining tools are currently available on the market. The budget reflects FLDOE's intention to purchase the necessary hardware and software to implement the data mining tool.

A large portion of the budget for this outcome, $515,200, is allocated to staff augmentation. These staff persons will be responsible for organizing the data in the appropriate manner for the data mining tool. A system programmer and data analyst will be necessary for these tasks.

Funds have been set aside for training associated with this outcome. Both program/policy staff and technical staff will be trained on the data mining tool. Technical staff will receive training dealing with the implementation and maintenance of the data mining tool. Program/policy staff will receive training regarding how to use the results.

Budget Narrative

Budget Narrative - ED 524 Section C Spreadsheet

Attachment 1:
Title: **Florida ED 524 Section C** Pages: **23** Uploaded File: **U:\Economic Stimulus\SLDS ARRA\Grant Sections\ED 524 Section C.pdf**

Budget Information Non-Construction Programs (ED 524)--Section C

FLDOE CONTRIBUTIONS TO THE PROJECT

Project Management

	Year 1	Year 2	Year 3	Total
Travel for one to Washington, DC	$2,000	$2,000	$2,000	$6,000

FLDOE Personnel

	Year 1	Year 2	Year 3	Total
Project Leadership Team				
Project Sponsor	$5,561	$5,561	$5,561	$16,683
Project Director	$27,805	$27,805	$27,805	$83,415
Project Leadership Team Total	***$33,366***	***$33,366***	***$33,366***	***$100,098***
Technical Committee				
Technical Manager	$26,800	$26,800	$26,800	$80,400
PK12 Data Advisor	$26,800	$26,800	$26,800	$80,400
Community College and Workforce Education Advisor	$26,800	$26,800	$26,800	$80,400
Technical Committee Total	***$80,400***	***$80,400***	***$80,400***	***$241,200***
FLDOE Personnel Total	**$113,766**	**$113,766**	**$113,766**	**$341,298**

Project Totals

	Year 1	Year 2	Year 3	Total
Project Management	$2,000	$2,000	$2,000	$6,000
FLDOE Personnel	$113,766	$113,766	$113,766	$341,298
Project Total for FLDOE Contributions	**$115,766**	**$115,766**	**$115,766**	**$347,298**

FLDOE CONTRIBUTIONS TO THE PROJECT

FLDOE Personnel

Project Leadership Team	PLT Avg Salary	PLT Avg Benefits	% Effort
Project Sponsor	$ 83,000.00	$ 28,220.00	5%
Project Director	$ 83,000.00	$ 28,220.00	25%
Technical Committee	**TC Avg Salary**	**TC Avg Benefits**	**% Effort**
Technical Manager	$ 80,000.00	$ 27,200.00	25%
PK12 Data Advisor	$ 80,000.00	$ 27,200.00	25%
Community College and Workforce Education Advisor	$ 80,000.00	$ 27,200.00	25%

SLDS GRANT CONTRIBUTIONS TO THE PROJECT

Project Management

	Year 1	Year 2	Year 3	Total
Indirect Costs	$358,295	$546,598	$292,638	$1,197,531
Travel for one to Washington, DC	$2,000	$2,000	$2,000	$6,000
Project Management Total	**$360,295**	**$548,598**	**$294,638**	**$1,203,531**

Proposed Outcome 1: Upgrade Source Data Systems

	Year 1	Year 2	Year 3	Total
PK12 Data System				
Hardware	$1,186,536	$75,000	$75,000	$1,336,536
Software	$50,000	$50,000	$50,000	$150,000
Contracted Services	$82,000	$24,725	$113,725	$220,450
Training	$0	$57,018	$0	$57,018
Staff Augmentation	$357,600	$884,000	$144,000	$1,385,600
PK12 Data System Total	***$1,676,136***	***$1,090,743***	***$382,725***	***$3,149,604***
Community College and Workforce Education Data Systems				
Hardware	$395,512	$25,000	$25,000	$445,512
Software	$172,000	$36,775	$36,775	$245,550
Contracted Services	$73,000	$33,225	$117,225	$223,450
Training	$0	$25,155	$20,768	$45,923
Staff Augmentation	$247,200	$676,000	$144,000	$1,067,200
Advisory Councils	$50,100	$50,100	$50,100	$150,300
CC and WE Data System Total	***$937,812***	***$846,255***	***$393,868***	***$2,177,935***
State University Data System				
Hardware	$0	$75,000	$0	$75,000
Software	$0	$0	$0	$0
Contracted Services	$30,000	$65,000	$42,000	$137,000
Training	$0	$72,000	$0	$72,000
Staff Augmentation	$30,000	$255,000	$30,000	$315,000
State University Data System Total	***$60,000***	***$467,000***	***$72,000***	***$599,000***
Proposed Outcome 1 Total	**$2,673,948**	**$2,403,998**	**$848,593**	**$5,926,539**

Proposed Outcome 2: Assign a Unique Identifier

	Year 1	Year 2	Year 3	Total
Hardware	$55,000	$0	$50,000	$105,000
Software	$439,183	$0	$0	$439,183
Contracted Services	$176,680	$0	$100,755	$277,435
Training	$0	$0	$105,000	$105,000
Staff Augmentation	$64,500	$236,125	$164,375	$465,000
Proposed Outcome 2 Total	***$735,363***	***$236,125***	***$420,130***	***$1,391,618***

SLDS GRANT CONTRIBUTIONS TO THE PROJECT

Proposed Outcome 3: Public Access Reporting Tool

	Year 1	Year 2	Year 3	Total
Hardware	$25,000	$0	$0	$25,000
Software	$45,000	$0	$0	$45,000
Contracted Services	$133,000	$96,000	$0	$229,000
Training	$0	$5,000	$5,000	$10,000
Staff Augmentation	$0	$211,200	$211,200	$422,400
Proposed Outcome 3 Total	***$203,000***	***$312,200***	***$216,200***	***$731,400***

Proposed Outcome 4: Data Mining Tool

	Year 1	Year 2	Year 3	Total
Hardware	$25,000	$0	$0	$25,000
Software	$72,000	$0	$0	$72,000
Contracted Services	$0	$50,000	$0	$50,000
Training	$0	$30,000	$30,000	$60,000
Staff Augmentation	$0	$228,800	$286,400	$515,200
Proposed Outcome 4 Total	***$97,000***	***$308,800***	***$316,400***	***$722,200***

Project Totals

	Year 1	Year 2	Year 3	Total
Project Management	$360,295	$548,598	$294,638	$1,203,531
Proposed Outcome 1	$2,673,948	$2,403,998	$848,593	$5,926,539
Proposed Outcome 2	$735,363	$236,125	$420,130	$1,391,618
Proposed Outcome 3	$203,000	$312,200	$216,200	$731,400
Proposed Outcome 4	$97,000	$308,800	$316,400	$722,200
Project Total for SLDS Grant Contributions	**$4,069,606**	**$3,809,721**	**$2,095,961**	**$9,975,288**

Project Management - Travel Detail

	Year 1	Year 2	Year 3	Total	Cost/night	No of Travelers	No of Nights
Hotel	$ 900	$ 900	$ 900	$ 2,700	$ 450	1	2
Airfare	$ 450	$ 450	$ 450	$ 1,350			
Misc. expenses	$ 650	$ 650	$ 650	$ 1,950			
TOTAL TRAVEL	**$ 2,000**	**$ 2,000**	**$ 2,000**	**$ 6,000**			

DETAIL FOR PROPOSED OUTCOME 1: UPGRADE SOURCE DATA SYSTEMS

PK12 Data System

HARDWARE	Year 1	Year 2	Year 3	Total
Rack/Power Accessories	$ 103,842	$ -	$ -	$ 103,842
Backbone Servers	$ 358,380	$ -	$ -	$ 358,380
Web Servers	$ 142,632	$ -	$ -	$ 142,632
Midtier and Database Servers	$ 185,010	$ -	$ -	$ 185,010
Storage Devices	$ 321,672	$ -	$ -	$ 321,672
Hosting Charges	$ 75,000	$ 75,000	$ 75,000	$ 225,000
TOTAL HARDWARE	**$ 1,186,536**	**$ 75,000**	**$ 75,000**	**$ 1,336,536**

SOFTWARE	Year 1	Year 2	Year 3	Total
Software and licenses	$ 50,000	$ 50,000	$ 50,000	$ 150,000
TOTAL SOFTWARE	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 150,000**

*Includes software for production system, test software, and development for both systems

CONTRACTED SERVICES	Year 1	Year 2	Year 3	Total
Software Support	$ 34,500		$ 24,000	$ 58,500
Data System Design	$ 22,500	$ 12,225	$ 12,225	$ 46,950
Network System Design	$ 25,000	$ 12,500	$ 12,500	$ 50,000
Security Audit	$ -	$ -	$ 65,000	$ 65,000
TOTAL CONTRACTED SERVICES	**$ 82,000**	**$ 24,725**	**$ 113,725**	**$ 220,450**

DETAIL FOR PROPOSED OUTCOME 1: UPGRADE SOURCE DATA SYSTEMS

PK12 Data System

TRAINING	Year 1	Year 2	Year 3	Total
Training for K12 MIS staff (19 people)		$ 31,863		$ 31,863
Training for K12 Technical staff (15 people)		$ 25,155		$ 25,155
Regional training conferences	$ -	$ -	$ -	$ -
TOTAL TRAINING	**$ -**	**$ 57,018**	**$ -**	**$ 57,018**

*The Cross-sector regional training conferences will include training for the new system and for unique identifier system. Funds necessary are reflected on Outcome 2.

STAFF AUGMENTATION	Year 1	Year 2	Year 3	Total
Statistical/Data Analyst	$ 165,600	$ 165,600	$ 73,600	$ 404,800
Web Programmer	$ 52,800	$ 70,400	$ -	$ 123,200
System Programmer	$ 105,600	$ 440,000	$ 70,400	$ 616,000
Data Modeler	$ -	$ 208,000	$ -	$ 208,000
Network Administrator	$ 33,600	$ -	$ -	$ 33,600
TOTAL STAFF AUGMENTATION	**$ 357,600**	**$ 884,000**	**$ 144,000**	**$ 1,385,600**

DETAIL FOR PROPOSED OUTCOME 1: UPGRADE SOURCE DATA SYSTEMS

PK12 Data System

TRAINING	Cost Per	Attendees
Training for K12 MIS staff (19 people)	$ 1,677	19
Training for K12 Technical staff (15 people)	$ 1,677	15
Regional training conferences		

*The Cross-sector regional training conferences will include training for the new system and for unique identifier system. Funds necessary are reflected on Outcome 2.

STAFF AUGMENTATION	Wage/Hr.
Statistical/Data Analyst	$ 125
Web Programmer	$ 120
System Programmer	$ 120
Data Modeler	$ 100
Network Administrator	$ 115

DETAIL FOR PROPOSED OUTCOME 1: UPGRADE SOURCE DATA SYSTEMS

Community College and Workforce Education Data Systems

HARDWARE	Year 1	Year 2	Year 3	Total
Rack/Power Accessories	$ 34,614	$ -	$ -	$ 34,614
Backbone Servers	$ 119,460	$ -	$ -	$ 119,460
Web Servers	$ 47,544	$ -	$ -	$ 47,544
Midtier and Database Servers	$ 61,670	$ -	$ -	$ 61,670
Storage Devices	$ 107,224	$ -	$ -	$ 107,224
Hosting Charges	$ 25,000	$ 25,000	$ 25,000	$ 75,000
TOTAL HARDWARE	**$ 395,512**	**$ 25,000**	**$ 25,000**	**$ 445,512**

*Includes hardware for both test and production for the Community College Data System and the Workforce Education Data System

SOFTWARE	Year 1	Year 2	Year 3	Total
Data Integration tool	$ 72,000	$ 18,000	$ 18,000	$ 108,000
Additional Access Engines	$ 27,000	$ 6,775	$ 6,775	$ 40,550
BI Platform	$ 73,000	$ 12,000	$ 12,000	$ 97,000
TOTAL SOFTWARE	**$ 172,000**	**$ 36,775**	**$ 36,775**	**$ 245,550**

*Includes software for production system, test software, and development for both systems

CONTRACTED SERVICES	Year 1	Year 2	Year 3	Total
Software Support	$ 11,500	$ -	$ 21,000	$ 32,500
Data Integration Platform Installation/Configuration	$ 11,000	$ 5,500	$ 5,500	$ 22,000
Data System Design	$ 25,500	$ 15,225	$ 15,225	$ 55,950
Network System Design	$ 25,000	$ 12,500	$ 10,500	$ 48,000
Security Audit	$ -	$ -	$ 65,000	$ 65,000
TOTAL CONTRACTED SERVICES	**$ 73,000**	**$ 33,225**	**$ 117,225**	**$ 223,450**

DETAIL FOR PROPOSED OUTCOME 1: UPGRADE SOURCE DATA SYSTEMS

Community College and Workforce Education Data Systems

TRAINING	Year 1	Year 2	Year 3	Total
Training for 15 FLDOE staff (not inc. travel)		$ 25,155		$ 25,155
Training for 28 CC staff (not inc. travel)			$ 6,608	$ 6,608
Training for 60 district staff (not inc. travel)			$ 14,160	$ 14,160
TOTAL TRAINING	**$ -**	**$ 25,155**	**$ 20,768**	**$ 45,923**

STAFF AUGMENTATION	Year 1	Year 2	Year 3	Total
Statistical/Data Analyst	$ 55,200	$ 165,600	$ 73,600	$ 294,400
Web Programmer	$ 52,800	$ 70,400	$ -	$ 123,200
System Programmer	$ 105,600	$ 440,000	$ 70,400	$ 616,000
Network Administrator	$ 33,600	$ -	$ -	$ 33,600
TOTAL STAFF AUGMENTATION	**$ 247,200**	**$ 676,000**	**$ 144,000**	**$ 1,067,200**

*The Data Modeler will be used for the PK12 data system and the community college and workforce education data systems. Funds are reflected in the details for the PK12 data system.

ADVISORY COUNCIL	Year 1	Year 2	Year 3	Total
MISATFOR subcommittee	$ 18,600	$ 18,600	$ 18,600	$ 55,800
WEDDAC subcommittee	$ 27,900	$ 27,900	$ 27,900	$ 83,700
Teleconferences with subcommittees	$ 3,600	$ 3,600	$ 3,600	$ 10,800
TOTAL ADVISORY COUNCIL	**$ 50,100**	**$ 50,100**	**$ 50,100**	**$ 150,300**

DETAIL FOR PROPOSED OUTCOME 1: UPGRADE SOURCE DATA SYSTEMS

Community College and Workforce Education Data Systems

TRAINING	Cost Per	Attendees
Training for 15 FLDOE staff (not inc. travel)	$ 1,677	15
Training for 28 CC staff (not inc. travel)	$ 236	28
Training for 60 district staff (not inc. travel)	$ 236	60

STAFF AUGMENTATION	Wage/Hr.
Statistical/Data Analyst	$ 125
Web Programmer	$ 120
System Programmer	$ 120
Network Administrator	$ 115

ADVISORY COUNCIL	Cost/Person or Mtg.	Attendees	Mtgs./Yr
MISATFOR subcommittee	$ 620	10	3
WEDDAC subcommittee	$ 620	15	3
Teleconferences with subcommittees	$ 400		9

DETAIL FOR PROPOSED OUTCOME 1: UPGRADE SOURCE DATA SYSTEMS

State University Data System

HARDWARE	Year 1	Year 2	Year 3	Total
Storage Devices		$ 35,000		$ 35,000
Midtier and Database Servers		$ 40,000		$ 40,000
TOTAL HARDWARE	**$ -**	**$ 75,000**	**$ -**	**$ 75,000**

SOFTWARE	Year 1	Year 2	Year 3	Total
				$ -
TOTAL SOFTWARE	**$ -**	**$ -**	**$ -**	**$ -**

CONTRACTED SERVICES	Year 1	Year 2	Year 3	Total
System Review	$ 30,000			$ 30,000
Software Support			$ 42,000	$ 42,000
Security Audit	$ -	$ 65,000		$ 65,000
TOTAL CONTRACTED SERVICES	**$ 30,000**	**$ 65,000**	**$ 42,000**	**$ 137,000**

TRAINING	Year 1	Year 2	Year 3	Total
FLBOG staff training on applications		$ 72,000		$ 72,000
TOTAL TRAINING	**$ -**	**$ 72,000**	**$ -**	**$ 72,000**

STAFF AUGMENTATION	Year 1	Year 2	Year 3	Total
Administrative support	$ 30,000	$ 30,000	$ 30,000	$ 90,000
Database Remediation/Re-architecture		$ 225,000		$ 225,000
TOTAL STAFF AUGMENTATION	**$ 30,000**	**$ 255,000**	**$ 30,000**	**$ 315,000**

DETAIL FOR PROPOSED OUTCOME 1: UPGRADE SOURCE DATA SYSTEMS

State University Data System

TRAINING	Cost Per Course	Attendees	No. of Courses
FLBOG staff training on applications	$ 6,000	3	4

DETAIL FOR PROPOSED OUTCOME 2: ASSIGN A UNIQUE IDENTIFIER

HARDWARE	Year 1	Year 2	Year 3	Total
Disk space	$ 19,250		$ 17,500	$ 36,750
Servers	$ 35,750		$ 32,500	$ 68,250
TOTAL HARDWARE	**$ 55,000**	**$ -**	**$ 50,000**	**$ 105,000**

*Additional hardware in Year 3 is to properly manage scalability.

SOFTWARE	Year 1	Year 2	Year 3	Total
Software	$ 439,183			$ 439,183
TOTAL SOFTWARE	**$ 439,183**	**$ -**	**$ -**	**$ 439,183**

CONTRACTED SERVICES	Year 1	Year 2	Year 3	Total
Project planning	$ 86,000			$ 86,000
Software Support	$ 90,680		$ 100,755	$ 191,435
TOTAL CONTRACTED SERVICES	**$ 176,680**	**$ -**	**$ 100,755**	**$ 277,435**

TRAINING	Year 1	Year 2	Year 3	Total
Cross-sector regional trainings			$ 100,000	$ 100,000
Create online training component			$ 5,000	$ 5,000
TOTAL TRAINING	**$ -**	**$ -**	**$ 105,000**	**$ 105,000**

STAFF AUGMENTATION	Year 1	Year 2	Year 3	Total
Implementation	$ 64,500	$ 120,125	$ 48,375	$ 233,000
System testing		$ 116,000	$ 116,000	$ 232,000
TOTAL STAFF AUGMENTATION	**$ 64,500**	**$ 236,125**	**$ 164,375**	**$ 465,000**

DETAIL FOR PROPOSED OUTCOME 2: ASSIGN A UNIQUE IDENTIFIER

TRAINING	Cost Per Mtg.	No. of Mtgs.
Cross-sector regional trainings	$ 25,000	4

DETAIL FOR PROPOSED OUTCOME 3: PUBLIC ACCESS REPORTING TOOL

HARDWARE	Year 1	Year 2	Year 3	Total
Server	$ 15,000			$ 15,000
Disk space	$ 10,000			$ 10,000
TOTAL HARDWARE	**$ 25,000**	**$ -**	**$ -**	**$ 25,000**

SOFTWARE	Year 1	Year 2	Year 3	Total
Reporting tool	$ 45,000			$ 45,000
TOTAL SOFTWARE	**$ 45,000**	**$ -**	**$ -**	**$ 45,000**

CONTRACTED SERVICES	Year 1	Year 2	Year 3	Total
Planning and implementation of tool	$ 85,000			$ 85,000
Consultant for focus groups and surveys (incl. travel)	$ 48,000	$ 96,000		$ 144,000
TOTAL CONTRACTED SERVICES	**$ 133,000**	**$ 96,000**	**$ -**	**$ 229,000**

TRAINING	Year 1	Year 2	Year 3	Total
In house training for FLDOE and FLBOG staffs		$ 5,000		$ 5,000
Training materials for general public			$ 5,000	$ 5,000
TOTAL TRAINING	**$ -**	**$ 5,000**	**$ 5,000**	**$ 10,000**

STAFF AUGMENTATION	Year 1	Year 2	Year 3	Total
Web programmer		$ 105,600	$ 105,600	$ 211,200
System programmer		$ 105,600	$ 105,600	$ 211,200
TOTAL STAFF AUGMENTATION	**$ -**	**$ 211,200**	**$ 211,200**	**$ 422,400**

DETAIL FOR PROPOSED OUTCOME 3: PUBLIC ACCESS REPORTING TOOL

CONTRACTED SERVICES	Cost Per Hr	No. of hrs	No. of consultants
Planning and implementation of tool			
Consultant for focus groups and surveys (incl. travel)	$ 150	Total: 520	$ 2

STAFF AUGMENTATION	Wage/Hr.	No of Contractors
Web programmer	$ 110	1
System programmer	$ 110	1

DETAIL FOR PROPOSED OUTCOME 4: DATA MINING TOOL

HARDWARE	Year 1	Year 2	Year 3	Total
Hardware (Undefined)	$ 25,000			$ 25,000
TOTAL HARDWARE	**$ 25,000**	**$ -**	**$ -**	**$ 25,000**

SOFTWARE	Year 1	Year 2	Year 3	Total
Software	$ 72,000			$ 72,000
TOTAL SOFTWARE	**$ 72,000**	**$ -**	**$ -**	**$ 72,000**

CONTRACTED SERVICES	Year 1	Year 2	Year 3	Total
Software installation		$ 50,000		$ 50,000
TOTAL CONTRACTED SERVICES	**$ -**	**$ 50,000**	**$ -**	**$ 50,000**

TRAINING	Year 1	Year 2	Year 3	Total
Administration & development training for FLDOE and FLBOG staffs		$ 30,000		$ 30,000
Online software overview course			$ 30,000	$ 30,000
TOTAL TRAINING	**$ -**	**$ 30,000**	**$ 30,000**	**$ 60,000**

*Training includes 2 people for BI administration and development and 10 people in online BI overview course.

STAFF AUGMENTATION	Year 1	Year 2	Year 3	Total
System Programmer		$ 228,800	$ 176,000	$ 404,800
Data Analyst			$ 110,400	$ 110,400
TOTAL STAFF AUGMENTATION	**$ -**	**$ 228,800**	**$ 286,400**	**$ 515,200**

DETAIL FOR PROPOSED OUTCOME 4: DATA MINING TOOL

STAFF AUGMENTATION	Wage/Hr.	No of Contractors
System Programmer	$ 110	1
Data Analyst	$ 115	1

DETAIL FOR STAFF AUGMENTATION FOR PK12 DATA SYSTEMS

Number of Weeks Contracted

	Hourly Wage	Year 1 Staff 1	Year 1 Staff 2	Year 1 Staff 3	Year 1 Total	Year 2 Staff 1	Year 2 Staff 2	Year 2 Staff 3	Year 2 Total
Statistical/Data Analyst	$ 115	24	12		36	36			36
Web Programmer	$ 110	12			12	8	8		16
System Programmer	$ 110	24			24	52	24	24	100
Data Modeler	$ 100				0	52			52
Network Administrator	$ 105	8			8				0

Funds Allocated

	Hourly Wage	Year 1 Staff 1	Year 1 Staff 2	Year 1 Staff 3	Year 1 Total	Year 2 Staff 1	Year 2 Staff 2	Year 2 Staff 3	Year 2 Total
Statistical/Data Analyst	$ 115	$ 110,400	$ 55,200	$ -	$ 165,600	$ 165,600	$ -	$ -	$ 165,600
Web Programmer	$ 110	$ 52,800	$ -	$ -	$ 52,800	$ 35,200	$ 35,200	$ -	$ 70,400
System Programmer	$ 110	$ 105,600	$ -	$ -	$ 105,600	$ 228,800	$ 105,600	$ 105,600	$ 440,000
Data Modeler	$ 100	$ -	$ -	$ -	$ -	$ 208,000	$ -	$ -	$ 208,000
Network Administrator	$ 105	$ 33,600	$ -	$ -	$ 33,600	$ -	$ -	$ -	$ -

DETAIL FOR STAFF AUGMENTATION FOR PK12 DATA SYSTEMS

Number of Weeks Contracted

		Year 3				Total			
	Hourly Wage	Staff 1	Staff 2	Staff 3	Total	Staff 1	Staff 2	Staff 3	Total
Statistical/Data Analyst	$ 125	16			16	76	12	0	88
Web Programmer	$ 120				0	20	8	0	28
System Programmer	$ 120	16			16	92	24	24	140
Data Modeler	$ 100				0	52	0	0	52
Network Administrator	$ 115				0	8	0	0	8

Funds Allocated

		Year 3				Total			
	Hourly Wage	Staff 1	Staff 2	Staff 3	Total	Staff 1	Staff 2	Staff 3	Total
Statistical/Data Analyst	$ 125	$ 73,600	$ -	$ -	$ 73,600	$ 349,600	$ 55,200	$ -	$ 404,800
Web Programmer	$ 120	$ -	$ -	$ -	$ -	$ 88,000	$ 35,200	$ -	$ 123,200
System Programmer	$ 120	$ 70,400	$ -	$ -	$ 70,400	$ 404,800	$ 105,600	$ 105,600	$ 616,000
Data Modeler	$ 100	$ -	$ -	$ -	$ -	$ 208,000	$ -	$ -	$ 208,000
Network Administrator	$ 115	$ -	$ -	$ -	$ -	$ 33,600	$ -	$ -	$ 33,600

DETAIL FOR STAFF AUGMENTATION FOR CC/WE DATA SYSTEMS

Number of Weeks Contracted

		Year 1				Year 2			
	Hourly Wage	Staff 1	Staff 2	Staff 3	Total	Staff 1	Staff 2	Staff 3	Total
Statistical/Data Analyst	$ 115	12			12	36			36
Web Programmer	$ 110	12			12	8	8		16
System Programmer	$ 110	24			24	52	24	24	100
Network Administrator	$ 105	8			8				0

Funds Allocated

		Year 1				Year 2			
	Hourly Wage	Staff 1	Staff 2	Staff 3	Total	Staff 1	Staff 2	Staff 3	Total
Statistical/Data Analyst	$ 115	$ 55,200	$ -	$ -	$ 55,200	$ 165,600	$ -	$ -	$ 165,600
Web Programmer	$ 110	$ 52,800	$ -	$ -	$ 52,800	$ 35,200	$ 35,200	$ -	$ 70,400
System Programmer	$ 110	$ 105,600	$ -	$ -	$ 105,600	$ 228,800	$ 105,600	$ 105,600	$ 440,000
Network Administrator	$ 105	$ 33,600	$ -	$ -	$ 33,600	$ -	$ -	$ -	$ -

DETAIL FOR STAFF AUGMENTATION FOR CC/WE DATA SYSTEMS

Number of Weeks Contracted

		Year 3				Total			
	Hourly Wage	Staff 1	Staff 2	Staff 3	Total	Staff 1	Staff 2	Staff 3	Total
Statistical/Data Analyst	$ 125	16			16	64	0	0	64
Web Programmer	$ 120				0	20	8	0	28
System Programmer	$ 120	16			16	92	24	24	140
Network Administrator	$ 115				0	8	0	0	8

Funds Allocated

		Year 3				Total			
	Hourly Wage	Staff 1	Staff 2	Staff 3	Total	Staff 1	Staff 2	Staff 3	Total
Statistical/Data Analyst	$ 125	$ 73,600	$ -	$ -	$ 73,600	$ 294,400	$ -	$ -	$ 294,400
Web Programmer	$ 120	$ -	$ -	$ -	$ -	$ 88,000	$ 35,200	$ -	$ 123,200
System Programmer	$ 120	$ 70,400	$ -	$ -	$ 70,400	$ 404,800	$ 105,600	$ 105,600	$ 616,000
Network Administrator	$ 115	$ -	$ -	$ -	$ -	$ 33,600	$ -	$ -	$ 33,600