

U.S. Department of Education

Washington, D.C. 20202-5335



**APPLICATION FOR GRANTS
UNDER THE**

Statewide, Longitudinal Data Systems

CFDA # 84.372A

PR/Award # R372A120004

Grants.gov Tracking#: GRANT11025620

OMB No. , Expiration Date:

Closing Date: Dec 15, 2011

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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.).

There were problems converting one or more of the attachments. These are: 1238-Appendix B - Evidence of Coordination and Support.pdf

| Application for Federal Assistance SF-424 | | |
|--|--|--|
| * 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application | * 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision | * If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/> |
| * 3. Date Received: <input type="text" value="12/13/2011"/> | 4. Applicant Identifier: <input type="text"/> | |
| 5a. Federal Entity Identifier: <input type="text"/> | 5b. Federal Award Identifier: <input type="text"/> | |
| State Use Only: | | |
| 6. Date Received by State: <input type="text"/> | 7. State Application Identifier: <input type="text"/> | |
| 8. APPLICANT INFORMATION: | | |
| * a. Legal Name: <input type="text" value="Hawaii Department of Education"/> | | |
| * b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="990266482"/> | * c. Organizational DUNS: <input type="text" value="8099355130000"/> | |
| d. Address: | | |
| * Street1: <input type="text" value="1390 Miller Street, Room 309"/> | Street2: <input type="text" value="PO Box 2360"/> | |
| * City: <input type="text" value="Honolulu"/> | County/Parish: <input type="text"/> | |
| * State: <input type="text" value="HI: Hawaii"/> | Province: <input type="text"/> | |
| * Country: <input type="text" value="USA: UNITED STATES"/> | * Zip / Postal Code: <input type="text" value="96813-2360"/> | |
| e. Organizational Unit: | | |
| Department Name: <input type="text"/> | Division Name: <input type="text" value="OTIS"/> | |
| f. Name and contact information of person to be contacted on matters involving this application: | | |
| Prefix: <input type="text" value="Mr."/> | * First Name: <input type="text" value="David"/> | |
| Middle Name: <input type="text"/> | * Last Name: <input type="text" value="Wu"/> | |
| Suffix: <input type="text"/> | Title: <input type="text" value="Asst Superintendent & Chief Information Offic"/> | |
| Organizational Affiliation: <input type="text"/> | | |
| * Telephone Number: <input type="text" value="808-586-3307"/> | Fax Number: <input type="text" value="808-586-3645"/> | |
| * Email: <input type="text" value="david_wu@notes.k12.hi.us"/> | | |

Application for Federal Assistance SF-424

*** 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:

84.372

CFDA Title:

Statewide Data Systems

*** 12. Funding Opportunity Number:**

ED-GRANTS-092011-001

* Title:

Institute of Education Sciences (IES): Statewide, Longitudinal Data Systems Program CFDA Number 84.372A

13. Competition Identification Number:

84-372A2012

Title:

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

Add Attachment

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

Hawaiian Statewide Longitudinal P-20 Data System, linking data across the agency systems and across time.

Attach supporting documents as specified in agency instructions.

Add Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant

b. Program/Project

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

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal

* b. Applicant

* c. State

* d. Local

* e. Other

* f. Program Income

* g. TOTAL

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

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

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

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

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

Yes No

If "Yes", provide explanation and attach

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

** I AGREE

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

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative: * Date Signed:

ASSURANCES - NON-CONSTRUCTION PROGRAMS

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 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 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.

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 subagreements.
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 (Clean Air) Implementation Plans under Section 176(c) of the Clean 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. §§1271 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 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 OFFICIAL David Wu | * TITLE Superintendent |
| * APPLICANT ORGANIZATION Hawaii Department of Education | * DATE SUBMITTED 12/13/2011 |

Standard Form 424B (Rev. 7-97) Back

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 an 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 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 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 | |
| <input style="width: 90%;" type="text" value="Hawaii Department of Education"/> | |
| * PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE | |
| Prefix: <input style="width: 50px;" type="text" value="Ms."/> | * First Name: <input style="width: 200px;" type="text" value="Kathryn"/> Middle Name: <input style="width: 150px;" type="text"/> |
| * Last Name: <input style="width: 300px;" type="text" value="Matayoshi"/> | Suffix: <input style="width: 80px;" type="text"/> |
| * Title: <input style="width: 250px;" type="text" value="Superintendent"/> | |
| * SIGNATURE: <input style="width: 300px;" type="text" value="David Wu"/> | * DATE: <input style="width: 150px;" type="text" value="12/13/2011"/> |

SUPPLEMENTAL INFORMATION
REQUIRED FOR
DEPARTMENT OF EDUCATION GRANTS

1. Project Director:

Prefix: * First Name: Middle Name: * Last Name: Suffix:

Mr. David Wu

Address:

* Street1: 1390 Miller Street

Street2:

* City: Honolulu

County:

* State: HI: Hawaii

* Zip Code: 96813

* Country: USA: UNITED STATES

* Phone Number (give area code) Fax Number (give area code)

808-586-3307 808-586-3645

Email Address:

david_wu@notes.k12.hi.us

2. Applicant Experience:

Novice Applicant Yes No Not applicable to this program

3. Human Subjects Research

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

Yes No

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

Yes Provide Exemption(s) #:

No Provide Assurance #, if available:

FWA 00016697

Please attach an explanation Narrative:

SLDS IRB Letter-UH.pdf

Delete Attachment

View Attachment

UNIVERSITY OF HAWAII

Committee on Human Studies

MEMORANDUM

October 26, 2011

TO: Linda K. Johnsrud, Ph.D.
Kathryn Matayoshi, Superintendent
Principal Investigators
VP for Academic Affairs

FROM: Nancy R. King
Director



SUBJECT: CHS #17622- "State of Hawaii P20 Longitudinal Data System"

Under an expedited review procedure, the research project identified above was approved for one year on October 26, 2011 by the University of Hawaii (UH) Committee on Human Studies (CHS). The application qualified for expedited review under CFR 46.110 and 21 CFR 56.110, Category (5).

This memorandum is your record of CHS approval of this study. Please maintain it with your study records.

CHS approval for this project will expire on October 25, 2012. If you expect your project to continue beyond this date, you must submit an application for renewal of this CHS approval. CHS approval must be maintained for the entire term of your project.

If, during the course of your project, you intend to make changes to this study, you must obtain CHS approval prior to implementing them. Unanticipated problems that are likely to affect study participants must be promptly reported to the CHS.

You are required to maintain complete records pertaining to the use of humans as participants in your research. This includes all information or materials conveyed to and received from participants as well as signed consent forms, data, analyses, and results. These records must be maintained for at least three years following project completion or termination, and they are subject to inspection and review by CHS and other authorized agencies.

Please notify this office when your project is complete. Upon notification, we will close our files pertaining to your project. Reactivation of CHS approval will require a new CHS application.

Please contact this office if you have any questions or require assistance. We appreciate your cooperation, and wish you success with your research.

Abstract

The abstract narrative must not exceed one page and should use language that will be understood by a range of audiences. For all projects, include the project title (if applicable), goals, expected outcomes and contributions for research, policy, practice, etc. Include population to be served, as appropriate. For research applications, also include the following:

- Theoretical and conceptual background of the study (i.e., prior research that this investigation builds upon and that provides a compelling rationale for this study)
- Research issues, hypotheses and questions being addressed
- Study design including a brief description of the sample including sample size, methods, principals dependent, independent, and control variables, and the approach to data analysis.

[Note: For a non-electronic submission, include the name and address of your organization and the name, phone number and e-mail address of the contact person for this project.]

You may now Close the Form

You have attached 1 file to this page, no more files may be added. To add a different file, you must first delete the existing file.

* Attachment:

Project Abstract

HOOKELE: Guiding Hawaii to Meet its Human Capital Goals Through a P20W Statewide Longitudinal Data System

Hookele is the Hawaiian word for a steersman who guides a canoe and its paddlers safely to its destination; likewise, this project will develop a P20W Statewide Longitudinal Data System (P20W SLDS) that incorporates data from PK-12, postsecondary, and labor to help guide policy- and decision-makers in the state to improve the educational and workforce outcomes as represented by Hawaii's goal for human capital development: *By the year 2025, 55% of Hawaii's working age adults will have a two- or four-year college degree.*

The Hawaii Department of Education (HIDOE), Hawaii's State Education Agency, is applying for \$3,386,693.00 over three years under Priority Three of the U.S. Department of Education's Institute of Education Sciences' FY2012 Request for Applications for the Statewide Longitudinal Data Systems Grants (CFDA 84.372). The overall goal of this project is to complete the automated linkage of cross-agency data systems, open stakeholder access to P20W SLDS data and develop trained, data literate stakeholders in the effective use of cross-agency data to provide feedback and information to improve Hawaii's student outcomes to address and support Hawaii's workforce needs into the 21st century.

The Hawaii State Department of Education (HIDOE), the University of Hawaii System (UH), and the Hawaii Department of Labor and Industrial Relations (DLIR) are developing a robust, high-quality P20W SLDS that will initially include PK-12 student and teacher, postsecondary education, and unemployment insurance wage data. Hawaii recognizes however, that the capacity must be built and processes must be put in place to ensure that the P20W SLDS provides accurate, user-friendly, actionable reports and information to all levels of stakeholders. To improve the culture of data literacy, Hawaii must provide role-based training in data utilization to effectively target strategies that will guide the improvement of the educational, and workforce outcomes for Hawaii's citizens.

The primary objectives of the project are to:

1. Develop a coordinated management and sustainability plan that will ensure cross-agency collaboration and long-term support for the P20W SLDS as a statewide resource;
2. Develop useful, accurate, actionable high-quality reports and information products utilizing data from the P20W SLDS for a variety of stakeholders to answer Hawaii's critical policy and research questions; and
3. Develop a culture of rigorous data use by providing an extensive training and professional development program focused on increasing the use of data by practicing educators and administrators, policymakers at all levels, teacher and administrator candidates, data entry staff to improve data quality, and other stakeholders.

Project Narrative File(s)

* Mandatory Project Narrative File Filename:

To add more Project Narrative File attachments, please use the attachment buttons below.

HOOKELE: Guiding Hawaii to Meet its Human Capital Goals Through a P20W Statewide Longitudinal Data System

Hookele is the Hawaiian word for a steersman who guides a canoe and its paddlers safely to its destination; likewise, this project will develop a P20W Statewide Longitudinal Data System (P20W SLDS) that incorporates data from PK-12, postsecondary, and labor to help guide policy- and decision-makers in the state to improve the educational and workforce outcomes as represented by Hawaii's goal for human capital development: *By the year 2025, 55% of Hawaii's working age adults will have a two- or four-year college degree.*

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HIDOE will be the grantee; however the project is being jointly developed by HIDOE, the University of Hawaii System (UH), and the Hawaii Department of Labor and Industrial Relations (DLIR). The project will be coordinated by the Hawaii P-20 Partnerships for Education (Hawaii P20), an administrative unit of UH. The key agency partners for Priority Three - HIDOE, UH, and DLIR - are committed to developing a secure, robust P20W SLDS that links PK-12 student and teacher data, postsecondary student data, and unemployment wage data to better inform planning, implementation and resource allocation for education and workforce transitions and programs. It also provides an extensive training and professional development effort that will enhance the culture of data literacy in Hawaii to achieve increased effectiveness in the educational pipeline, resulting in improved educational and employment outcomes.

A. Need for Project

Hawaii's state agencies and Governor are committed to the P20W SLDS initiatives and believe that this grant represents an ideal time for further investment in Hawaii's P20W SLDS. Since FY2009, Hawaii has spent over \$1.4 million to support cross-agency data sharing and reporting, establish data governance, conduct proof of concept projects that have demonstrated the ability to link student records across agencies including private pre-K, higher education and labor, and to implement interim solutions that allow data to be linked across the PK-12 and postsecondary sectors to meet the state's immediate reporting needs. Hawaii is poised to significantly accelerate the trajectory of our cross-agency data sharing and reporting to support high impact data use. In Summer 2011, Hawaii's state agencies committed to invest in the basic information technology infrastructure to support the P20W SLDS. This grant funding (CFDA 84.372) will augment that commitment by

supporting and accelerating the development of processes to produce meaningful data reports and build the capacity of stakeholders for utilizing data to inform decision-making that positively impacts student and workforce outcomes.

Background

Much of Hawaii's \$1.4 million prior investment was funded by private grants, such as the National Governors Association STEM grant, a P-20 capacity building grant from the Hawaii-based Harold K.L. Castle Foundation, and by state agency staff providing in-kind support. This ongoing commitment has allowed the state to develop cross-agency ad hoc reporting, meet all 12 of the America COMPETES Act elements, five of ten Data Quality Campaign's "Actions to Ensure Effective Data Use", and establish the legal agreements and protocols for agency data sharing. Additionally, a 2009 U. S. Department of Education Statewide Longitudinal Data System (non-ARRA) grant provided critical support for a PK-12 data warehouse and data governance fundamentals.

The state has not yet secured federal funding towards this statewide, cross-agency data system. Hawaii, like many other states, faced staggering budget shortfalls during the last few budget cycles, and the state did not fund the informational technology structure for a P20W SLDS from general funds. However, lack of funding for the technology infrastructure has not prevented Hawaii from continuing the foundational work to establish a P20W SLDS, or aggressively pursuing longitudinal data reporting, albeit through ad hoc reports.

Hawaii is unique in that the Hawaii Department of Education (HIDOE) is one district; that is, HIDOE is both State Education Authority (SEA) and the Local Education Authority (LEA). Administratively, Hawaii is divided into 15 Complex Areas which are comprised of elementary, middle and high schools within a geographic area, and supervised by a Complex Area Superintendent. Hawaii has not had to expend as many resources developing interoperable solutions as other states as a result of this unique situation. Similarly, the University of Hawaii (UH) is Hawaii's only public postsecondary education system. All 10 campuses in the UH system utilize the same student information system and reporting tables where student information is stored. While data validation and cleansing are still needed, cross-walks of data elements/definitions and standardization from different information systems common to states with multiple LEAs, and postsecondary systems is not an operational issue for Hawaii. Hawaii has the potential to develop a P20W SLDS that provides near "real-time" data transfers and subsequent reporting, with the potential for more comprehensive data to add to a P20W SLDS.

While Hawaii does not yet have an operational P20W SLDS, state leaders have been working to pave the way towards this goal. Data infrastructures, such as the development and implementation of a PK-12 data warehouse funded largely by a US Department of Education Institute of Education Sciences 2009 non-ARRA longitudinal data system grant funds, have been improved to prepare for the time when the data systems will be linked. A high-level governance structure with agency leaders who meet regularly has been developed and operational since January 2009 as the P20W SLDS Executive Committee.

Cross-agency agreements that facilitate the exchange of data, while ensuring the protection of individual confidentiality have been developed and placed in force (see Appendix B).

In 2009, HIDOE, UH and the Department of Labor and Industrial Relations (DLIR) executed a seminal three-party data sharing Memorandum of Understanding (MOU) through which agencies committed to the sharing of data to improve the educational and workforce outcomes of Hawaii's citizens. This data sharing MOU was expanded in 2011 to include the Department of Health and the Department of Human Services. Additional addenda to the 2009 MOU have been created that specify the process, specific data elements, transfer and security of records that are utilized for ad hoc cross-agency analyses. Additionally, in 2010, Hawaii placed into statute Act 41 which encourages data sharing across department/agency boundaries to improve educational and workforce outcomes (see Appendix B).

Hawaii has been preparing for a P20W SLDS and has focused its limited resources in an organized strategy to remove any potential obstacles for the transmission and protection of data to a P20W SLDS. With the ability to share data, albeit on a manual rather than automated basis, the agencies have been working to better understand the data elements required for reporting and findings from the data in order to understand the PK-12 to postsecondary and postsecondary to workforce transition, provide feedback to the high schools, and to meet federal reporting requirements. While significant funds have been expended by the agencies, the state needs funding to take the next steps towards the full development of the P20W SLDS, particularly to automate reporting and to ensure that the data are utilized to better inform state policy and foster improvements in the education to workforce process.

HIDOE has earmarked \$3,000,000 to underwrite the building of the information technology infrastructure and the licensing of a business intelligence reporting tool for the P20W SLDS. In Spring 2012, the cross-agency partners, via the P20W SLDS Executive Committee (described in Section D), will issue a request for proposal and execute a contract for the P20W SLDS technology infrastructure. While funds have been identified for the technology infrastructure, the state lacks funding to plan for the development, automation and production of reports, and for the training of personnel in data use. The P20W SLDS stakeholders recognize that there is a gap in data being collected and used to inform practice and policy. This grant will enable the state to accelerate report development, presentation and access, as well as provide the training on data use for state agency personnel and other stakeholders. Without this grant, the state will build the technology infrastructure, but will continue to search for funding sources to enable the reporting functions and training of personnel to effectively use P20W SLDS data. While the infrastructure will be built, Hawaii will lack the ability to fully utilize the P20W SLDS as a state resource as plans for data reporting and use will be slowed.

Education in Hawaii

Hawaii's public schools serve approximately 178,000 students annually in 288 schools (School Year 2010-2011), which accounts for 84% of the PK-12 student population. The

on-time graduation rate for HIDOE's public high schools was 80% in 2010. Data from the National Student Clearinghouse (NSC) report that 50% of public school graduates attend a postsecondary program. The clear majority of this population (70%) attends a UH two- or four-year campus. The University of Hawaii System serves approximately 58,000 students each year and in the 2010-2011 fiscal year produced 3,324 two-year degrees and certificates and 3,796 four-year credentials. The UH System includes 10 campuses with seven community colleges, two comprehensive and one Research 1 universities. With almost two-thirds of the college-going students entering UH, Hawaii's in-state college-going rate provides a more complete picture of student outcomes as they transition to postsecondary education than states with high out-of-state or private college-going rates.

Facilitated by the management and leadership of Hawaii P-20 Partnerships for Education (Hawaii P-20, see description in Section D. Project Administration), HIDOE and UH have collaborated extensively over the past four years to agree and work on college and career initiatives that align HIDOE and UH's expectations of a college and career ready high school graduate. The systems have partnered on initiatives such as the American Diploma Project, the passing of a single mandatory college and career ready rigorous high school diploma beginning with the Class of 2016, the production of the high school College and Career Readiness Indicators feedback report, and the agreement on math skills alignment through a series of PK-12 and postsecondary faculty-driven "math summits".

With 16% of Hawaii's school-aged children attending private PK-12 schools, and with 30% of our college-going public education graduates attending in-state private and out-of-state postsecondary institutions, Hawaii recognizes the need to incorporate more than public education data into the P20W SLDS¹. While the immediate, primary focus is on the overall building and development of a functional P20W SLDS, discussions will continue with private PK-12 and postsecondary institutions to explore the potential of a true statewide cross-agency P20W SLDS.

Hawaii Data Needs

Under the guidance of the P20W SLDS Executive Committee the state has worked towards developing significant cooperation in its understanding of the importance linking data across sectors.

A 2009 needs assessment by InfoSynthesis and Organization evaluated the capacity of Hawaii to commit to the development of a SLDS and found that "unlike in many other states... [there is] widespread support and interest from key stakeholder groups... and strong administrative commitment from each sector (pp. 6-7)²." The letters of support in Appendix B provide evidence of the high demand in Hawaii for the rich information

¹ Hawaii Council of Private Schools (2010-2011). Private School Enrollment Report 2010-2011 (final). Retrieved on December 12, 2011, from http://www.hais.org/about_stats_hcpsenrollrpt11.pdf.

² Smith, Nancy (2009). Establishing a P20 Data System in Hawaii. Report completed for Hawaii P-20 Partnerships for Education, University of Hawaii.

available from a data system that tracks individuals from early childhood program experiences through postsecondary and/or into the workforce, as well as producing timely, user-friendly and more sophisticated analyses of the data that inform critical policy questions addressing educational and workforce outcomes. More than 100 representatives from HIDOE, UH, DLIR, the Board of Education, U.S. Pacific Command (Armed Forces), legislature, Members of Congress, early childhood education and philanthropic organizations participated in a Forum on Longitudinal Data on June 30, 2009. Stakeholders including educators, researchers, institutional analysts, information technology specialists, and policymakers, discussed the value of using longitudinal student and workforce data for decision-making and among other priorities, identified two key data issues—data governance and the use of data, which are being addressed as priorities for this grant application.

Policy makers and agency leaders in Hawaii are engaged in the P20W discussion because of the understanding by stakeholders of the importance of data to inform the state's future direction in improving student and workforce outcomes. Policy makers need to understand more about the transition points and the alignment between PK-12 and postsecondary education, the impact of teacher education programs on student success, and how the current education pipeline is producing graduates that meet the needs of Hawaii's current and future workforce.

Hawaii's economy, which was once built largely on agriculture and tourism, is moving towards 21st century career options with job growth occurring in the sectors of education and health care (16%), professional and business services (7%), leisure and hospitality industries (4%). Economists predict that by 2018, 65% of Hawaii's jobs will require at least some postsecondary training or education. Hawaii's need for skilled and educated workers is the 10th highest in the nation. Opportunities and earning potential will be higher for those with more education. In Hawaii, jobs that require postsecondary training or education pay an average salary of at least twice that of those that do not require any additional training. For example, registered nurses earn about \$80,000/year, retail supervisors earn about \$40,000/year and food service workers earn about \$20,000/year³.

Hawaii's data also show that too few students are finishing high school academically prepared to succeed in the 21st century economy. On the 2011 Hawaii State Assessment tests, 66% of the students scored proficient or higher in reading, but just 54% did so in mathematics. On the 2010 SAT, Hawaii's students scored below the national average on math, critical reading and writing exams. Last year, Hawaii ranked last in the nation in the percentage of recent high school graduates who scored high enough on the military entrance exam to be permitted to enlist. Many of our students who have gone to college

³ Employment Projections for Industries and Occupations 2008-2018. State of Hawaii Department of Labor and Industrial Relations.

