State of Hawaii **Department of Education**

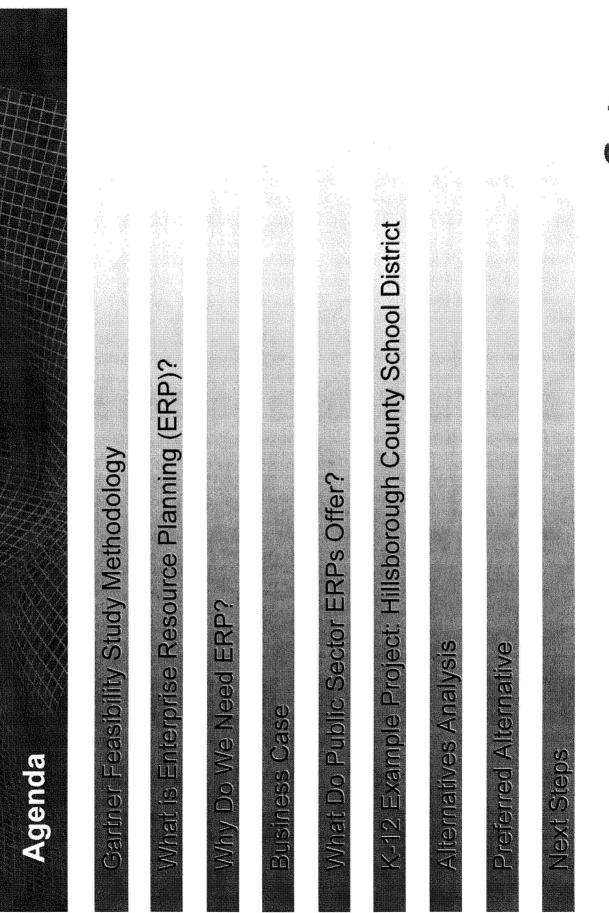
Enterprise Resource Planning (ERP) Feasibility Study Report Informational Briefing

THE HOUSE OF REPRESENTATIVES THE TWENTY-FIFTH LEGISLATURE REGULAR SESSION OF 2009 COMMITTEE ON EDUCATION

28 January 2009





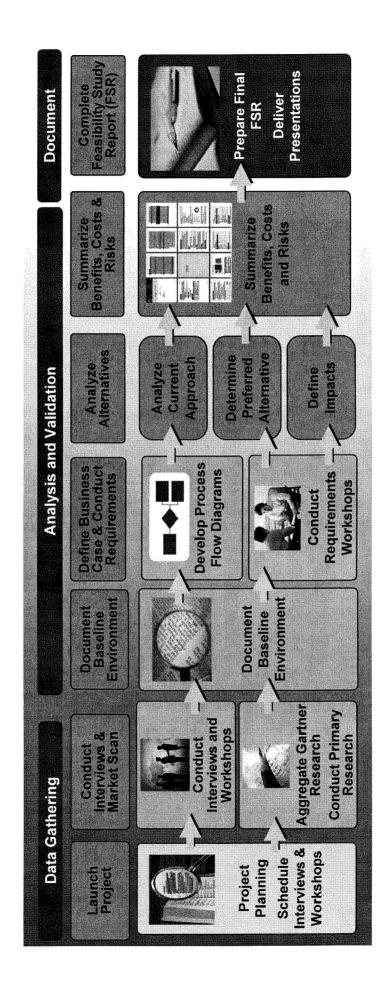


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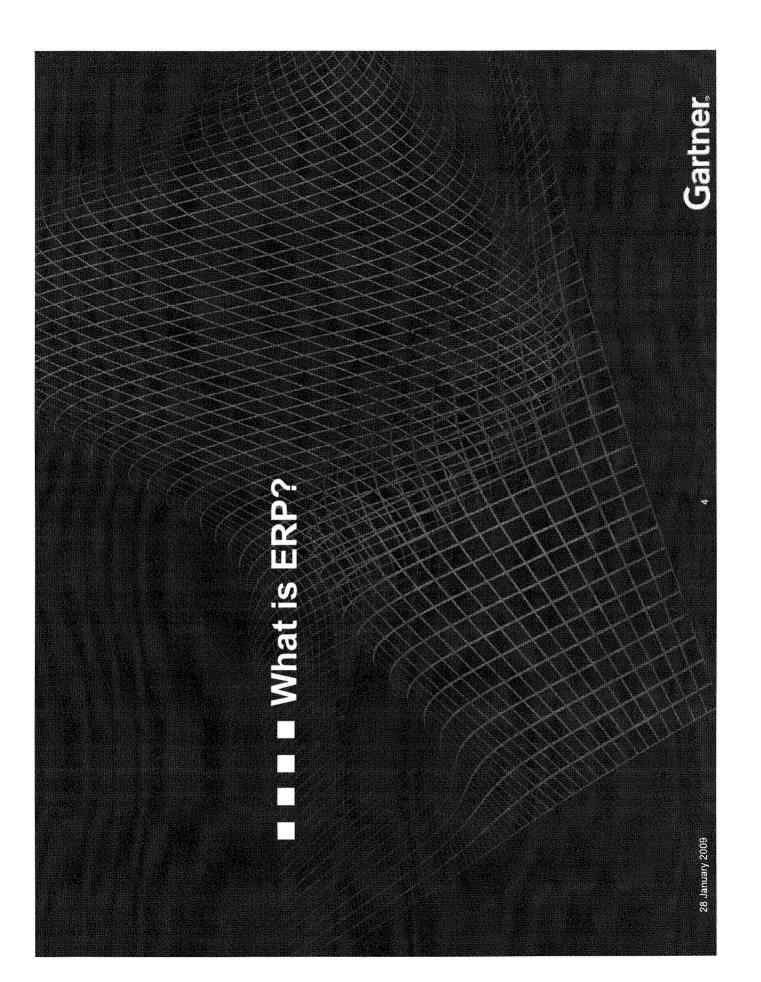
Gartner Feasibility Study Methodology



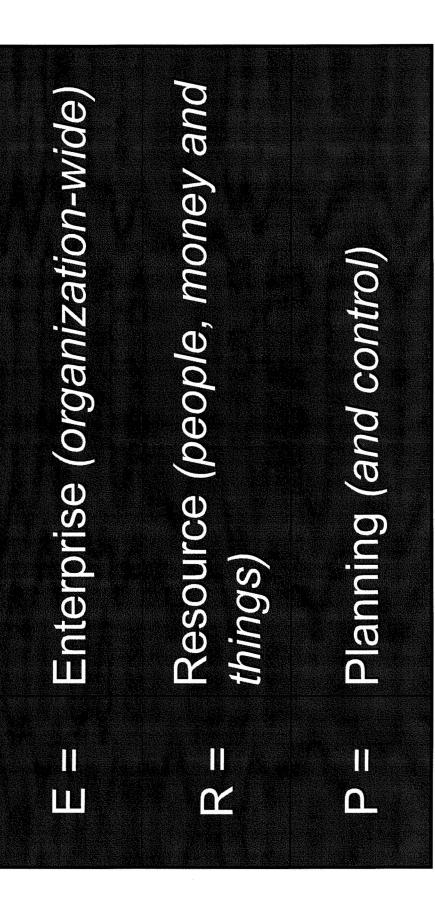
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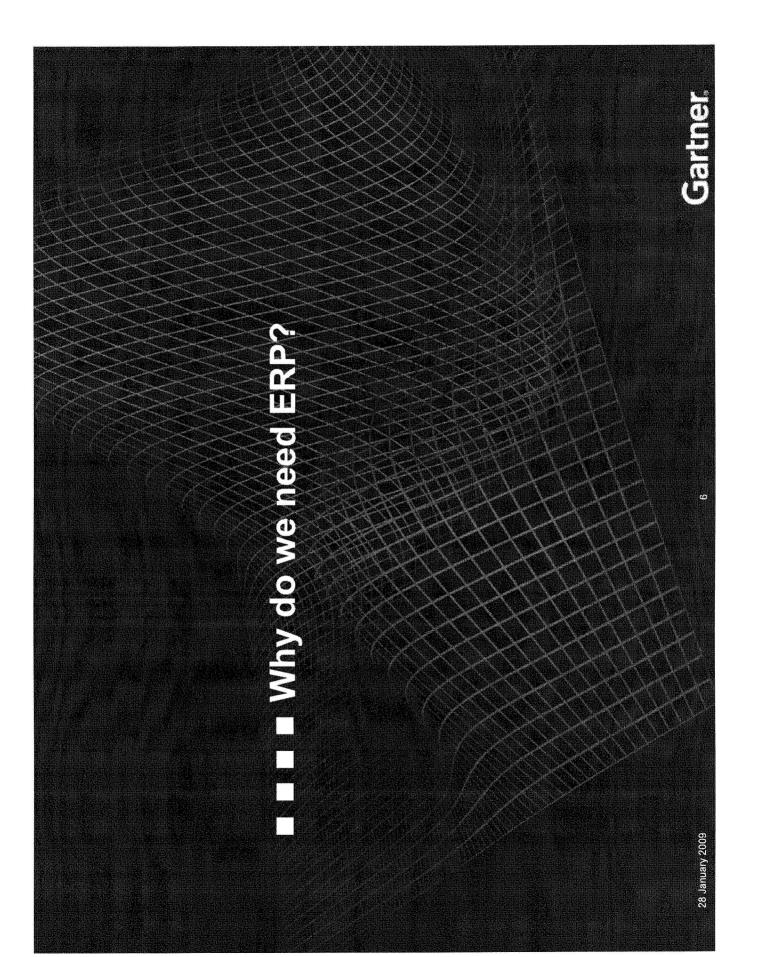
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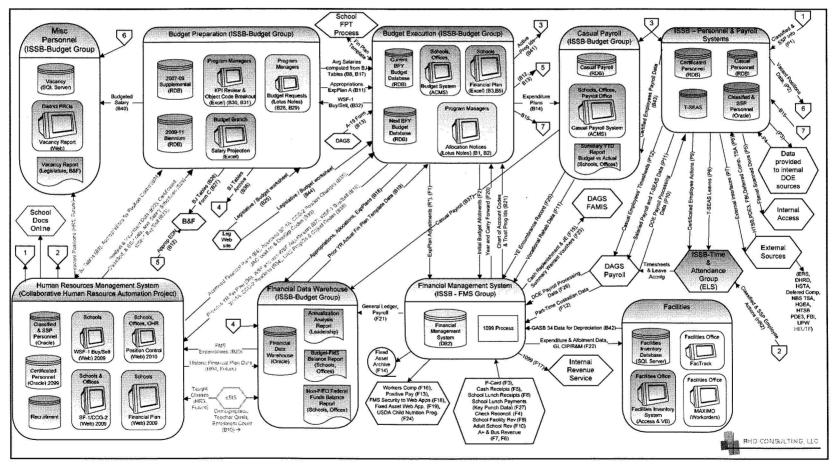


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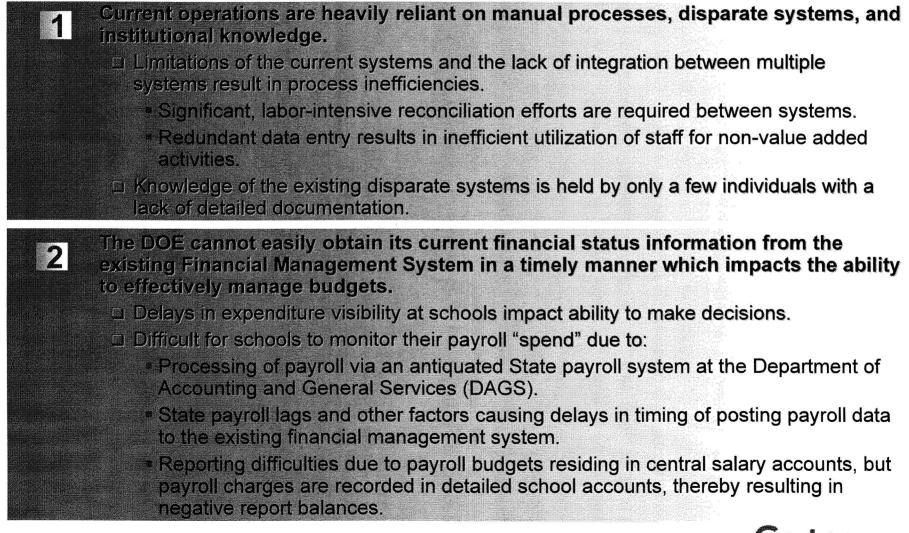


Graphic Depiction of Current State

Current DOE Financial Management, Budget, Procurement, Human Resources, & Payroll Systems



Business Problems



Business Problems

3	 Revenue and expenditure details are not easily accessible and difficult to report. Key financial data is not readily obtainable from the current system to support DOE efforts to pro-actively and effectively manage budgets (e.g. "Dashboards"). DOE's financial management capabilities are negatively impacted by the system's limited ability to readily access specific revenue and expenditure line-item details.
4	The current Financial Management System is inflexible and is difficult to accommodate new and changing requirements (e.g. meeting reporting requirements based on Complex Areas versus Districts). I Organizational changes cannot be reflected in the chart of accounts without major modifications to the current financial system.
5	 The current Financial Management System does not support efficient business processes. Built-in business rules, which would guide and support department-wide compliance with State of Hawaii procurement rules, are not available in the current system. Workflow, which would facilitate the efficiency and timeliness of decentralized procurement processes, is not available in the current system. Purchases and approvals are currently done on hard-copy documents; however, electronic automation can be implemented with proper segregation of duties. Reconciliation of procurement-card (P-card) transactions is primarily manual and labor-intensive

Business Problems

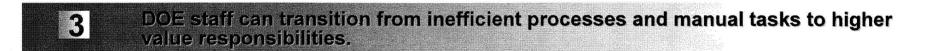
- 6 The current mainframe does not meet current business needs.
 - The system is very slow particularly during peak periods where response times can be up to several minutes (an upgrade would significantly increase licensing costs to all state agencies on the mainframe).
 - The system is only "open" for use from 7:15 am to 6:00 pm weekdays and alternate Saturdays (DOE staff cannot come in early or stay late to catch up on workload).
 - Queries fail on vendor information with greater than 500 records.
 - The risk of continuing to support and maintain the current system is escalating as scarce resources with knowledge of antiquated technologies are increasingly difficult to hire and are very expensive to contract.

Business Opportunities

1 DOE can capture the appropriate financial information to calculate important metrics to enhance decision making.



DOE can leverage increased reporting capabilities to enhance decision support and transparency.

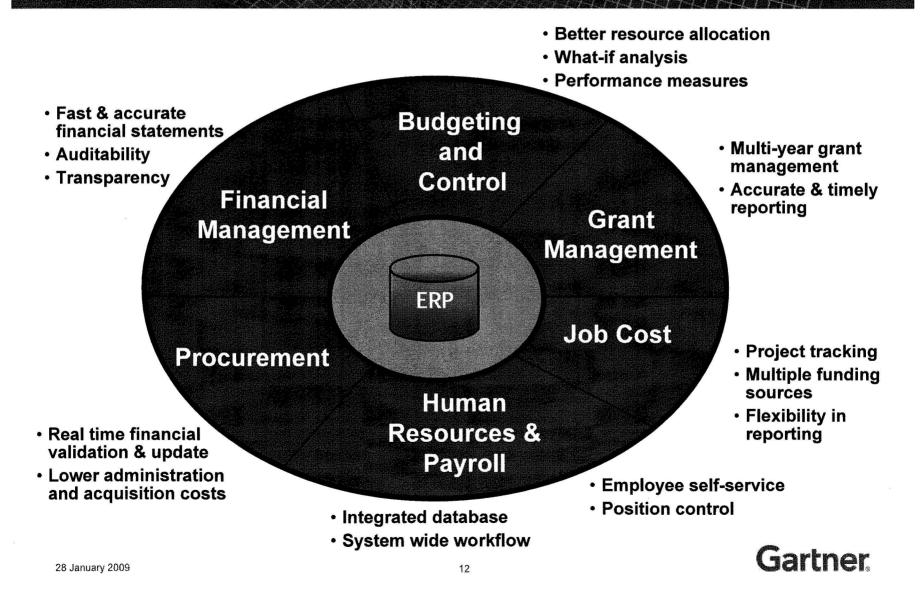


4 DOE can refine the procurement process to take advantage of volume pricing and to facilitate compliance with procurement policies and rules.

5 DOE has the opportunity to better manage personnel and resource costs through an integrated human resource and payroll system.

6 DOE can reduce the manual intervention required to support the system and improve responsiveness to changing business needs.

What Do Public Sector ERPs Offer?



K-12 Example Project:

Hillsborough County School District

Environment Overview

Student Population: 192,000+

- Employees: 30,000+
- Sites: 350
- Schools: 220
- Budget: \$2.5B

ERP System Overview

Financials: Lawson – live in 2003. Procurement: Lawson – live in 2003. Budgeting: Lawson budget module for budget entry – live in 2003. Performs some salary projections using custom code which is fully supported by Lawson. Human Resources/Payroll: Lawson for

Payroll and HR – live in 2005. Currently piloting Employee Self-Service in Lawson. (AON manages open enrollment and benefits.)



Hillsborough County PUBLIC SCHOOLS

PUBLIC SCHOOL Excellence in Education

Business Case for System

Provide State with detailed accurate financial data.

- Control of budget allocations will save resources.
- Requirement to incorporate business rules into a system to support succession planning.

Key Benefits

- Added a much higher-level of accountability.
- Human Resources/Payroll and Finance interface has streamlined processes.
- Able to find historical information for a personnel file.
- Lawson has worked with Hillsborough to evolve the application to meet the needs of a K-12 environment.

Alternatives Analysis Overview

Gartner identified the following four alternatives:

Alternative 1 – Maintain the status quo. No changes to the current applications.

Alternative 2 – Enhance the current Financial Management System (FMS) to accommodate new functional requirements.

Alternative 3 – Procure and implement a new Financial Management System to replace FMS. Develop interfaces to other applications (e.g. Kronos system, CHAP system).

Alternative 4 – Procure and implement an ERP solution. Implement the Financials module in the beginning and maintain the option to implement Human Resources (HR) and Payroll modules.

Alternatives Analysis

Evaluation Model Summary

Criteria	Alternative 1 Status Quo	Alternative 2 Modify current FMS	Alternative 3 Procure and Implement a New Financial Management System	Alternative 4 Procure and Implement a New ERP System
Business Benefits			 Will meet financial, budget, and procurement functional requirements. Will achieve efficiencies in financial processes. 	 Will meet financial, budget, procurement and HR/Payroll functional requirements. Will achieve efficiencies across many processes.
Total Cost of Ownership	ABLE	ABLE	 Lower implementation costs (less functionality). Higher maintenance costs due to interfaces that must be maintained. 	 Higher implementation costs (greater functionality). Lower maintenance costs. Lower procurement process costs using a single contract.
Time	Z	Z	Faster to complete implementation (less functionality).	Longer time to complete implementation (greater functionality).
Project Risks	No	Ŋ	 Higher integration risks due to number of interfaces required. Higher operational risks due to possible number of break points. 	 Lower integration risks. Change management risks.
Technical Solution			Multiple technologies and databases. Many interfaces.	 Single platform. Single, logical data source. Fewer interfaces.

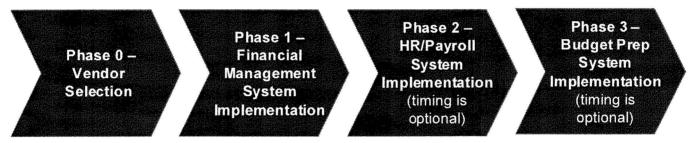
Alternative 4 is the Preferred Alternative.

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Project Management Plan

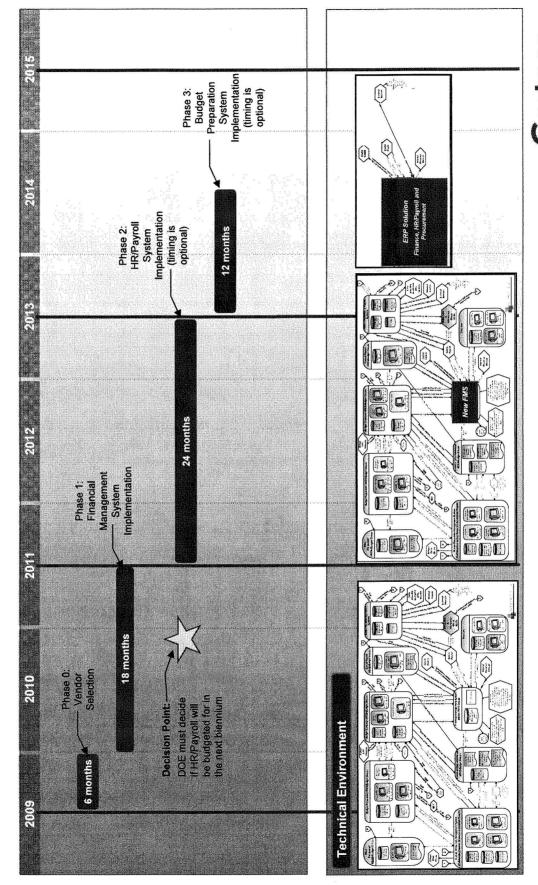
The project management plan includes a procurement phase and three high-level implementation phases. The phases are depicted in the graphic below:



- Actual phasing will be market driven which will include input from the selected vendor while optimizing the benefits to be achieved by DOE.
- Funding for Phase 1 of this project will be in place by the conclusion of Phase 0.
- Timing of Phases 1 3 could possibly overlap.
- Time of Phases 2 and 3 can be executed at DOE's option.
 - If the DOE defers the decision, the Financial Management System configuration may need to be modified in Phase 2 to accommodate the HR/Payroll modules.
 - If it is known that Phase 2 will not be performed in the subsequent biennium, the DOE can execute Phase 3 immediately following Phase 1.







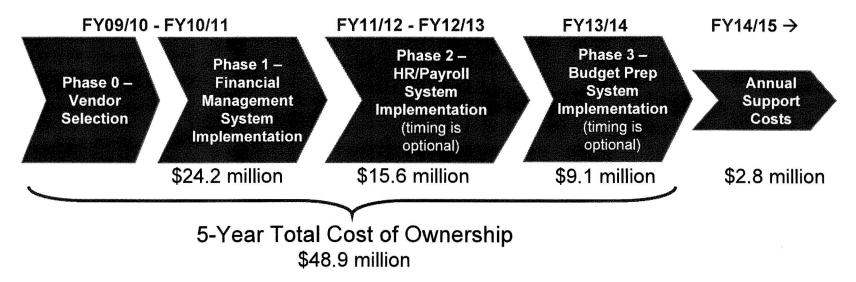
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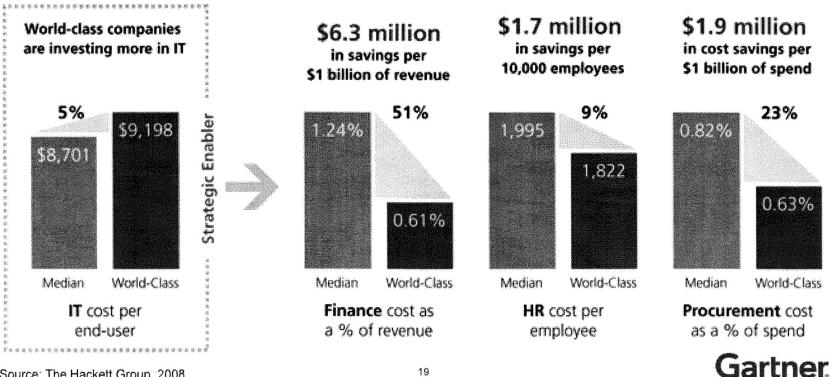
Project Cost Summary

DOE is exploring the option of funding the initial costs of \$24.2 million for Phases 0 & 1 through Certificates of Participation (financing).



World-Class Organizations

- Operate more effectively with significantly lower operating costs.
- Use technology to enable getting higher-level people into more strategic roles in their organizations which drives benefits achievement.
- Operate with 46% fewer suppliers than typical organizations and concentrate 80% of their spending on just 5.9% of their suppliers.



Source: The Hackett Group, 2008

Project Mission Statement

The purpose of the DOE ERP Project is to implement an integrated system to support student achievement through:

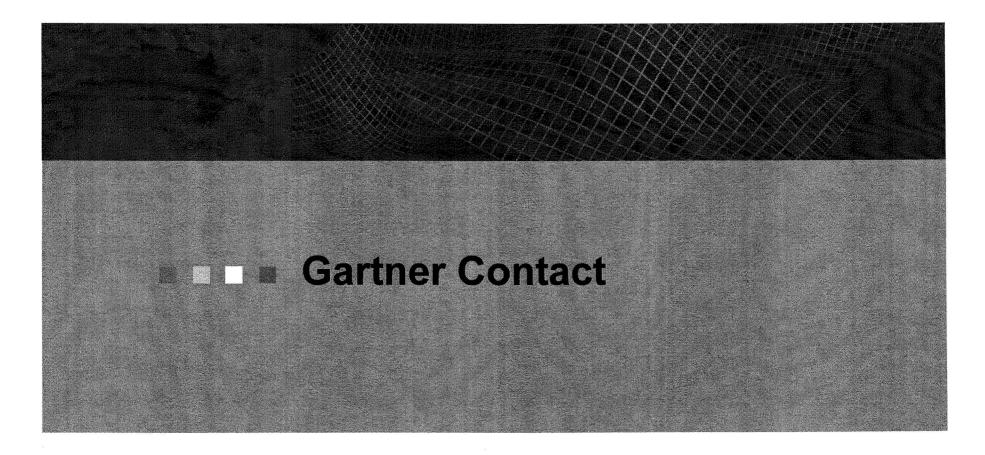
Improved efficiencies of DOE operations,

Greater accountability and transparency in the use of public funds, and

Improved reporting for decision makers and stakeholders at all levels.

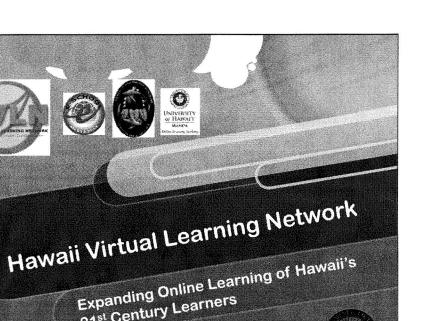
Next Steps

- Answer Legislature questions
- Obtain Legislature support for the project
- Explore funding alternatives

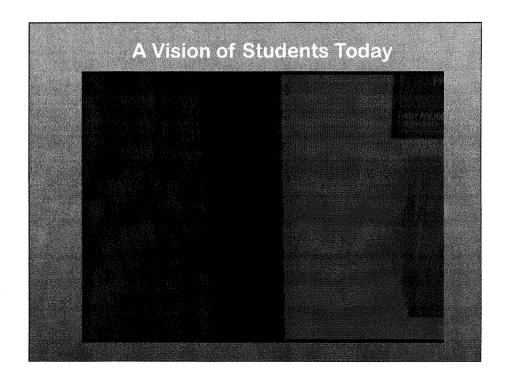


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21st Century Learners



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