

LOS ANGELES UNIFIED SCHOOL DISTRICT

SCHOOL CONSTRUCTION BOND CITIZENS' OVERSIGHT COMMITTEE

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Oversight Committee Consultant

Gary C. Anderson, PhD
Bond Administrator
Daniel Hwang
Administrative Analyst

RESOLUTION 2014-17

BOARD REPORT NO. 387-13/14

**AMENDMENT TO THE INFORMATION TECHNOLOGY STRATEGIC EXECUTION
PLAN TO DEFINE AND APPROVE PHASE 2 TO COMPLETE THE DISASTER
RECOVERY AND BUSINESS CONTINUITY PROJECT**

WHEREAS, District Staff is proposing that the Board of Education amend the Information Technology Division (ITD) Strategic Execution Plan (SEP) to define projects and allocate \$50,398,280 to complete Phase 2 of the Disaster Recovery and Business Continuity Project; and

WHEREAS, the project being proposed is part of the School Upgrade Program approved by the Board in BOE #143-13/14; and

WHEREAS, the proposed action is consistent with the District's long-term goal to address unmet school needs as described in Proposition BB and Measures K, R, Y, and Q; and

WHEREAS, projects will be funded with \$47,878,366 of bonds proceeds from already issued and/or to-be-issued Measures K, R, Y, and Q, where appropriate. The one time (non-recurring) General Fund impact associated with phase two of the disaster recovery and business continuity project is \$2,519,914; and

WHEREAS, District Staff has concluded that this proposed ITD-SEP Amendment will facilitate the implementation of the ITD-SEP, and therefore it will not adversely affect the District's ability to successfully complete the ITD-SEP.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The School Construction Bond Citizens' Oversight Committee recommends that the Board of Education amend the Information Technology Division Strategic Execution Plans to define projects and approve funding for Phase 2 of the Disaster Recovery and Business Continuity Project such that the Strategic Execution Plan is amended to include the projects for Phase 2 of the Disaster Recovery and Business Continuity Project as

Bond Oversight Committee

RESOLUTION 2014-17

**AMENDMENT TO THE INFORMATION TECHNOLOGY STRATEGIC EXECUTION PLAN TO
DEFINE AND APPROVE PHASE 2 TO COMPLETE THE DISASTER RECOVERY AND
BUSINESS CONTINUITY PROJECT**

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described in the Board Report No. 387-13/14 a copy of which is attached hereto in the form it was presented to the BOC and is incorporated herein by reference.

2. This resolution shall be transmitted to the Los Angeles Unified School District Board of Education and posted on the Bond Oversight Committee's website.
3. That a written response as required by the Charter and Memorandum of Understanding between the Oversight Committee and the Board be provided to the Oversight Committee within 30 days, reporting either on action taken or proposed to be taken in response to this resolution and each recommendation herein.

ADOPTED on April 24, 2014 by the following vote:

AYES: **8**

ABSTENTIONS: **2**

NAYS: **0**

ABSENCES: **4**

Pamela Schmidt

Pamela Schmidt
Vice-Chair

Quynh Nguyen

Quynh Nguyen
Secretary



LOS ANGELES UNIFIED SCHOOL DISTRICT

Board of Education Report

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| Report Number: | 387-13/14 |
| Date: | May 13, 2014 |
| Subject: | Amendment to the Information Technology Strategic Execution Plan to Define and Approve Phase 2 to complete the Disaster Recovery and Business Continuity Project |
| Responsible Staff: | |
| Name: | Ronald Chandler |
| Office/Division | Information Technology Division |
| Telephone No. | 213-241-8794 |

BOARD REPORT

Action Proposed: Staff proposes that the Board of Education amend the Information Technology Division (ITD) Strategic Execution Plan (SEP) to approve the definition and allocate \$50,398,280 for Phase 2 to complete the Disaster Recovery and Business Continuity Project. This project will establish a secondary data back-up site to protect LAUSD from a Beaudry-based disaster and a tertiary data back-up site to protect LAUSD in case there is a catastrophic event in Los Angeles.

Background: On January 14, 2014, the Board of Education approved the establishment of the School Upgrade Program (SUP), the next phase of the District's Bond Program which will modernize, build and repair school facilities to improve student health, safety and educational quality. The Board's action approved the overarching goals and principles, funding sources, specific categories of need, and spending targets for the SUP. As proposed projects are developed, they will be submitted to the Bond Oversight Committee (BOC) for consideration and the Board of Education for approval.

The SUP includes a spending target to address "Technology Infrastructure and System Upgrades" including Disaster Recovery Systems.

Many of LAUSD's mission-critical functions—such as school and student information, student transportation, payroll, food services, policing, and facilities services—rely on technological systems that could be crippled in the event of a disaster within LAUSD's Beaudry Avenue Data Center. The Disaster Recovery/Business Continuity (DR/BC) program is intended to protect the District's data, technology investments, student and staff safety, and efforts to develop a 21st century learning environment. The DR/BC plan includes two phases: (1) *internet and data recovery* in the event of a Beaudry-based disaster or other disruption; (2) creation of a secondary site



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Board of Education Report

for IT *service continuity*, first for all production systems and then for all non-production systems, in the event of a Beaudry-based disaster or other disruption; and creation of an out-of-state tertiary *disaster recovery* site for use in case of a catastrophic event (such as a major earthquake) that affects the L.A. region. The Information Technology Division received approval and funding for phase 1 in June 2013.

DR/BC phase 1, completed November 2013, enabled ITD to provide Data Recovery for production systems at backup site involving the following:

- Identification of a suitable site, data replication technology, and necessary infrastructure upgrades to prevent the loss of high-priority business and educational production data by storing a copy of those data at a small location within the District but outside LAUSD headquarters.
- Planning for faster and guaranteed recovery through the secondary and tertiary data center sites.

DR/BC phase 2, expected to be completed June 2016, involves deployment of a secondary (“failover”) site on District-owned property for all critical data and production systems, modernization/consolidation of Data Center technologies to fit within the failover site, as well as creation of an out-of-state tertiary *disaster recovery* site.

The Information Technology Division is requesting funding for Phase 2 to enable ITD to procure staffing, services, and IT equipment so that implementation can begin on the scheduled start dates (See Attachment for Phase 2 Schedule) to complete the following:

- Enable ITD to provide Disaster Recovery for all systems at the secondary (“failover”) site deployed in the event of a Beaudry-based disruption.
- Enable ITD to replicate mission critical production data and systems at a tertiary site in a different seismic zone for use in the event of a catastrophic event (such as a major earthquake) that affects the L.A. region.

Expected Outcomes: Staff anticipates that the Board will amend the ITD-SEP to define four projects and allocate \$47,878,366 of Bond Program funding and \$2,519,914 of General Fund. This project will ensure that LAUSD maintains access to critical data so that the District can bounce back from a Beaudry-based disaster or Los Angeles-based catastrophe.



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| Board Options and Consequences: | Failure or delay of approval will postpone the execution and/or implementation of the proposed projects and programs and the associated benefit to the schools and students. |
| Policy Implications: | This action is consistent with the District's long-term goal to address unmet school needs as described in Proposition BB and Measures K,R,Y, and Q. |
| Budget Impact: | The requested bond funding allocation for phase two of the disaster recovery and business continuity project being proposed as part of this action is \$47,878,366. The project will be funded with bonds proceeds from already issued and/or to-be-issued Measures K, R, Y, and Q, where appropriate. The one time (non-recurring) General Fund impact associated with the project is \$2,519,914. The anticipated ongoing General Fund impact associated with the project is estimated at \$350,000 per year in rental charges and utilities for the tertiary site. |
| Bond Oversight Committee Recommendations: | This item was considered by the School Construction Bond Citizens' Oversight Committee (BOC) at its April 24, 2014 meeting. Staff has concluded that this proposed SEP Amendment will facilitate the implementation of the ITD-SEP, and therefore it will not adversely affect the District's ability to successfully complete the ITD-SEP. |
| Issues and Analysis: | None. |
| Attachments: | Disaster Recovery and Business Continuity Phase 2 Schedule |
| Informative | None. |
| Desegregation Impact Statement | N/A |



LOS ANGELES UNIFIED SCHOOL DISTRICT Board of Education Report

Respectfully submitted,

APPROVED BY:

DR. JOHN E. DEASY
Superintendent

MICHELLE KING
Senior Deputy Superintendent
School Operations

REVIEWED BY:

APPROVED &
PRESENTED BY:

DAVID HOLMQUIST
General Counsel

A handwritten signature in black ink, appearing to be "R Chandler", enclosed within a hand-drawn oval.

RONALD CHANDLER
Chief Information Officer
Information Technology Division

☐ Approved as to form.

TONY ATIENZA
Director of Budget Services and
Financial Planning

☐ Approved as to budget impact statement.



Disaster Recovery and Business Continuity Phase 2 Schedule – BOE #387-13/14

Schedule:

| Disaster Recovery & Business Continuity Program Status | Phase 2 2014-2016 | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------|---|----|---|----|---|----|---|----|---|----|---|----|---|----|---|---|---|---|---|---|---|---|---|
| | Q3 | | Q4 | | Q1 | | Q2 | | Q3 | | Q4 | | Q1 | | Q2 | | | | | | | | | |
| | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J |
| Disaster Recovery | | | | | | | | | | | | | | | | | | | | | | | | |
| Failover sustainment implementation | | | | | | | | | | | | | | | | | | | | | | | | |
| Technology platform standardization | | | | | | | | | | | | | | | | | | | | | | | | |
| Tertiary data center implementation | | | | | | | | | | | | | | | | | | | | | | | | |