



## Board of Education Report

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**File #:** Rep-329-18/19, **Version:** 1

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### **Update to the Energy Efficient Lighting Upgrades Program**

**May 21, 2019**

#### **Facilities Services Division**

#### **Action Proposed:**

Staff proposes that the Board of Education (Board) amend the Facilities Services Division (FSD) Strategic Execution Plan (SEP) to add \$6 million to the District-wide energy efficiency lighting upgrades program. With this action, the overall program budget will be updated to \$36 million. The augmentation will permit staff to continue surveying school sites and replacing outdated, inefficient, and deteriorated light fixtures through the second quarter of 2020.

Staff further proposes that the Board authorize the (Interim) Chief/Deputy Procurement Officer and/or the Chief Facilities Executive and/or their designee(s) to execute all instruments necessary, as legally permissible, to implement the program, including budget modifications and the purchase of equipment and materials.

#### **Background:**

On March 10, 2015, the Board approved \$30 million (Board Report No. 377-14/15) for a program to provide energy efficient lighting upgrades at schools. Staff's proposal focused on upgrading T-12 lighting systems containing magnetic fluorescent lighting ballasts manufactured prior to 1980 that contain organic chemicals such as polychlorinated biphenyls (PCBs), and certain T-8 lighting fixtures that have been known to catch on fire after extended use. To date, all PCB-containing ballasts have been upgraded and over 51,000 T-8 lighting fixtures have been upgraded. This program was established following lighting retrofit efforts that began in 2012 (Board Report No. 323-11/12).

These upgrades promote more sustainable school facilities and decrease the District's overall electricity consumption. The District consumes nearly \$100 million of electricity annually to operate its facilities. Approximately 30 percent of the overall consumption is attributed to lighting. The District's legacy school sites contain light fixtures that are deteriorated, inefficient, and may pose health and safety concerns (legacy schools refer to schools constructed prior to the District's Bond Program). Outdated inefficient lighting systems are known to consume 35 to 60 percent more electricity than modern, efficient lighting systems. Although upgrades have been provided, it is important that the District continues to address significantly outdated and inefficient lighting systems at schools.

#### **Expected Outcomes:**

Staff anticipates that the Board of Education will approve the proposed update to the program that will permit staff to continue providing energy efficient lighting upgrades at schools District-wide.

#### **Board Options and Consequences:**

Approval of this proposal will authorize staff to proceed with the expenditure of Bond Program funds to continue addressing outdated and inefficient lighting systems at schools. If the proposed action is not approved, staff would not be able to continue providing energy efficient lighting upgrades and potentially unsafe lighting fixtures will remain in use.

**Policy Implications:**

The requested actions are consistent with the District's commitment to address school facilities needs and provide students with a safe and healthy learning environment.

**Budget Impact:**

The initial approval of the program had an overall budget of \$30 million. With this update, an additional \$6 million will be allocated to the program for an overall combined budget of \$36 million in Bond Program funds earmarked specifically for critical school repair and safety improvements.

**Student Impact:**

Staff's proposal will continue efforts to undertake energy efficient lighting upgrades at schools throughout the District. Modernizing antiquated lighting systems that are well beyond their useful life will provide students and teachers with an enhanced learning environment that is safe and promotes productivity and learning. Additionally, newer lighting systems are more efficient to operate, which will further reduce the impact on the General Fund and the environment.

**Issues and Analysis:**

Staff continually work to improve the lighting conditions in the District's schools. As a matter of ongoing maintenance, broken light fixtures are replaced with new light fixtures on a regular basis. Steps are being taken to ensure ongoing lighting retrofits are coordinated with any scheduled modernization projects and other lighting upgrades that are being implemented through other programs, such the Memorandum of Understanding with the Los Angeles Department of Water and Power and the Proposition 39 – California Clean Energy Jobs Act Energy Expenditure Plan.

**Bond Oversight Committee Recommendations:**

This item was considered by the School Construction Bond Citizens' Oversight Committee (BOC) at its meeting on May 9, 2019. Staff has concluded that this proposed FSD-SEP amendment will help facilitate implementation of the FSD-SEP, and therefore, it will not adversely affect the District's ability to successfully complete the FSD-SEP.

**Attachments:**

BOC Resolution

**Informatives:**

None.

**Submitted:**

5/3/2019

**RESPECTFULLY SUBMITTED,**



AUSTIN BEUTNER  
Superintendent

**APPROVED BY:**



MARK HOVATTER  
Chief Facilities Executive  
Facilities Services Division

**REVIEWED BY:**



DAVID HOLMQUIST  
General Counsel

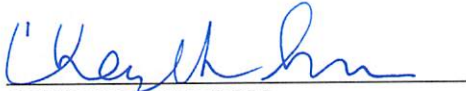
Approved as to form.

**PRESENTED BY:**



ROBERT LAUGHTON  
Director of Maintenance & Operations  
Facilities Services Division

**REVIEWED BY:**



CHERYL SIMPSON  
Director, Budget Services and Financial Planning

Approved as to budget impact statement.

LOS ANGELES UNIFIED SCHOOL DISTRICT

SCHOOL CONSTRUCTION BOND CITIZENS' OVERSIGHT COMMITTEE

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Tenth District PTSA

**Bevin Ashenmiller, Vice-Chair**

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Early Education Coalition

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**Jose Zambrano (Alternate)**

Tenth District PTSA

**(Vacant)**

L.A. Co. Federation of Labor AFL-CIO

**(Vacant)**

LAUSD Student Parent

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31<sup>st</sup> District PTSA

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Asst. Administrative Analyst

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**RESOLUTION 2019-14**

**BOARD REPORT NO. 329-18/19**

**UPDATE TO THE ENERGY EFFICIENT LIGHTING UPGRADES PROGRAM**

WHEREAS, District Staff proposes that the Board of Education approve an amendment to the Facilities Services Division (FSD) Strategic Execution Plan (SEP) to add \$6 million to the District-wide energy efficiency lighting upgrades program (the "Program") as described in Board Report 329-18/19 attached hereto; and authorize the (Interim) Chief/Deputy Procurement Officer and/or the Chief Facilities Executive, and/or his designee(s), to execute all instruments necessary to implement the next phase of the program, including budget modifications and the purchase of equipment and materials; and

WHEREAS, with this action, the overall program budget will be updated to \$36 million. The augmentation will permit staff to continue surveying school sites and replacing outdated, inefficient, and deteriorated light fixtures through the second quarter of 2020; and

WHEREAS on March 10, 2015, the Board approved \$30 million (Board Report No. 377-14/15) for a program to provide energy efficient lighting upgrades at schools. Staff's proposal focused on upgrading T-12 lighting systems containing magnetic fluorescent lighting ballasts manufactured prior to 1980 that contain organic chemicals such as polychlorinated biphenyls (PCBs), and certain T-8 lighting fixtures that have been known to catch on fire after extended use. To date, all PCB-containing ballasts have been upgraded and over 51,000 T-8 lighting fixtures have been upgraded. This program was established following lighting retrofit efforts that began in 2012 (Board Report No. 323-11/12); and

**Bond Oversight Committee**

## **RESOLUTION 2019-14**

### **UPDATE TO THE ENERGY EFFICIENT LIGHTING UPGRADES PROGRAM**

WHEREAS, these upgrades promote more sustainable school facilities and decrease the District's overall electricity consumption. The District consumes nearly \$100 million of electricity annually to operate its facilities. Approximately 30 percent of the overall consumption is attributed to lighting; and

WHEREAS, The District's legacy school sites contain light fixtures that are deteriorated, inefficient, and may pose health and safety concerns (legacy schools refer to schools constructed prior to the District's Bond Program). Outdated inefficient lighting systems are known to consume 35 to 60 percent more electricity than modern, efficient lighting systems. Although upgrades have been provided, it is important that the District continues to address significantly outdated and inefficient lighting systems at schools; and

WHEREAS, the requested actions are consistent with the District's commitment to address school facilities needs and provide students with a safe and healthy learning environment; and

WHEREAS, the initial approval of the program had an overall budget of \$30 million. With this update, an additional \$6 million will be allocated to the program for an overall combined budget of \$36 million in Bond Program funds earmarked specifically for critical school repair and safety improvements; and

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

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The School Construction Citizens' Bond Oversight Committee recommends that the Board of Education adopt an amendment to the Facilities Services Division (FSD) Strategic Execution Plan (SEP) to add \$6 million to the District-wide energy efficiency lighting upgrades program as described in Board Report 329-18/19 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 Oversight Committee's website.

**RESOLUTION 2019-14**

**UPDATE TO THE ENERGY EFFICIENT LIGHTING UPGRADES PROGRAM**

3. The District is directed to track the above recommendation and to report on the adoption, rejection, or pending status of the recommendations as provided in section 6.2 of the Charter and Memorandum of Understanding between the Oversight Committee and the District.

ADOPTED on May 9, 2019, by the following vote:

AYES: 9

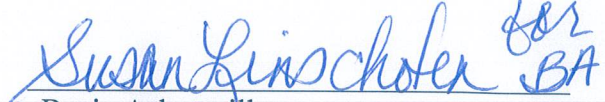
ABSTENTIONS: 0

NAYS: 0

ABSENCES: 3



Rachel Greene  
Chair



Bevin Ashenmiller  
Vice-Chair