



# LOS ANGELES UNIFIED SCHOOL DISTRICT

## Board of Education Report

<b>Report Number:</b>	122-15/16
<b>Date:</b>	November 10, 2015
<b>Subject:</b>	Amendment to the Facilities Services Division Strategic Execution Plan to Define and Approve School Information Technology Network Infrastructure, Equipment, and Phone System Upgrade Projects
<b>Responsible Staff:</b>	
Name	Mark Hovatter, Chief Facilities Executive Dean S. Tagawa, Administrator
Office/Division	Facilities Services Division Early Childhood Education Division
Telephone No.	213-241-4811 and 213-241-0415

### BOARD REPORT

**Action Proposed:** Staff proposes that the Board of Education amend the Facilities Services Division (FSD) Strategic Execution Plan (SEP) to define and approve school Information Technology (IT) network infrastructure, equipment, and phone systems upgrade projects at 88 Early Education Centers (EECs), as listed in Attachment A with a project budget of \$11,949,255. In addition the proposed action approves Staff filing for potential E-Rate discounts in the amount of \$1,114,724.

Staff further proposes that the Board of Education authorize the Chief Facilities Executive and/or his designee to execute all instruments necessary to execute the projects including the purchase of equipment and materials.

**Background:** Advancements in technology have increased the options available to teachers to deliver instructional initiatives, as well as changing the way students learn and perform. However, the vast majority of Local Area Network (LAN) projects undertaken over the past decade occurred prior to the introduction of the high-throughput and wireless technologies that are used today, and upon which the current instructional technologies depend. This is not only true for K-12 campuses, it is also true for EECs.

The EEC program has approximately 11,000 students in 88 total centers located throughout the District. Most of these sites are experiencing increasing failure rates impacting instruction and communication. The



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average useful life of network equipment is between three and seven years, with the 88 EECs (Attachment A) having network equipment between 10 and 11 years in age. Additionally, many of these sites have phone services converged on the network and the high failure rate of the networks is causing the loss of vital communication for part or multiple days as replacement parts are becoming more difficult to find to repair obsolete equipment. In addition, newer applications and increased multimedia usage are creating greater speed and bandwidth needs that the older equipment fails to meet. Currently 60% of the EEC sites are experiencing challenges due to lack of bandwidth. New network equipment and the installation of fiber to the site will offer better performance, greater reliability, and increased bandwidth to the classrooms. The new network equipment will also have increased management and security capabilities and features that reduce support costs and offer greater protections.

As part of the ongoing plan to upgrade the District's IT network infrastructure, the Board has approved three previous actions for school IT network infrastructure upgrade projects at K-12 sites contained in the FSD SEP (BOE #317-12/13 adopted on June 11, 2013, BOE #248-13/14 adopted on February 11, 2014, and BOE #392-13/14 adopted on May 13, 2014). With the action proposed, school IT network infrastructure, equipment and phone system upgrade projects, including the design, construction and installation of scalable fiber, will be authorized at 88 EECs. Additionally, staff are authorized, with the approval of this action, to file for any applicable E-Rate discounts.

**Expected Outcomes:** Approval of the proposed action and the subsequent investment in upgrades to aging IT network infrastructure and obsolete equipment and phone systems at 88 EECs, as listed in Attachment A.

**Board Options and Consequences:** The proposed action provides the funding necessary to move forward with school IT network infrastructure, equipment, and phone system upgrade projects including the design, construction, and installation of scalable fiber at 88 EECs, as listed in Attachment A.

If the Board does not approve the proposed action, the upgrade of network infrastructure and equipment at the 88 EECs listed in Attachment A will not be constructed, thereby preventing student's access to the latest instructional initiatives made available via the installation of wireless network technology.



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- Policy Implications:** This action is consistent with the District's long-term goal to address unmet school facilities needs as described in Proposition BB and Measures K, R, Y, and Q.
- Budget Impact:** This proposed action impacts Bond Program funds only. The total combined FSD-SEP budget for this project is \$11,949,255. Funding will be provided by Bond Program funds earmarked for Early Education Center facilities upgrades executed by FSD in the School Upgrade Program. Any E-Rate discounts received as part of this action will be returned to the EEC Program funds and not applied to fund these projects.
- Issues and Analysis:** In total, this proposed action allocates \$11,949,255 in Bond Program Funds to make school IT network information and equipment upgrades at 88 EECs. Upgrades will be undertaken at each of the sites listed in Attachment A.
- Bond Oversight Committee Recommendations:** This item was considered by the School Construction Bond Citizen's Oversight Committee (BOC) at its meeting on October 29, 2015. Staff has concluded that this proposed FSD-SEP Amendment will facilitate the implementation of the FSD-SEP, and therefore it will not adversely affect the District's ability to successfully complete the FSD-SEP.
- Attachments:** Attachment A – Define and Approve 88 School IT Network Infrastructure, Equipment and Phone System Upgrade Projects at Early Education Centers.
- Informative** None.
- Desegregation Impact Statement** N/A.



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Respectfully submitted,

APPROVED BY:

RAMON C. CORTINES  
Superintendent

MICHELLE KING  
Chief Deputy Superintendent

REVIEWED BY:

DAVID HOLMQUIST  
General Counsel

APPROVED &  
PRESENTED BY:

Approved as to form.

MARK HOVATTER  
Chief Facilities Executive  
Facilities Services Division

CHERYL SIMPSON  
Director, Budget Services and  
Financial Planning

DEAN S. TAGAWA  
Administrator  
Early Childhood Education Division

Approved as to budget impact statement.



# LOS ANGELES UNIFIED SCHOOL DISTRICT

## Board of Education Report

### Attachment A

#### Define and Approve 88 School IT Network Infrastructure, Equipment and Phone System Upgrade Projects at Early Education Centers

#	BD	LD	COST CENTER	SCHOOL NAME	PROJECT BUDGET	ANTICIPATED CONSTRUCTION START	ANTICIPATED CONSTRUCTION COMPLETION
1	7	S	1954501	102ND ST. EEC	\$138,817	Q2-2016	Q4-2016
2	7	S	1954601	112TH ST. EEC	\$138,817	Q2-2016	Q4-2016
3	1	C	1957001	24th ST. EEC (CSPP/LAUP)	\$40,570	Q2-2016	Q4-2016
4	2	C	1959501	28TH ST. EEC	\$139,792	Q4-2016	Q2-2017
5	1	W	1956601	36TH ST. EEC	\$139,112	Q2-2016	Q4-2016
6	1	C	1959301	37TH ST. EEC	\$139,098	Q2-2016	Q4-2016
7	2	E	1944001	4TH ST. EEC	\$64,855	Q4-2016	Q2-2017
8	1	S	1956101	66TH ST. EEC	\$139,053	Q2-2016	Q4-2016
9	1	S	1955801	75TH ST. EEC	\$155,946	Q2-2016	Q4-2016
10	1	W	1953801	95TH ST. EEC	\$139,112	Q2-2016	Q4-2016
11	7	S	1953901	97TH ST. EEC	\$139,083	Q2-2016	Q4-2016
12	2	E	1950001	ALBION EEC	\$139,098	Q4-2016	Q2-2017
13	2	C	1950101	ALEXANDRIA EEC	\$139,098	Q2-2016	Q4-2016
14	2	E	1952101	ANTON EEC	\$80,100	Q4-2016	Q2-2017
15	6	NE	1950301	ARMINTA EEC	\$139,098	Q2-2016	Q4-2016
16	7	S	1988101	BRADLEY EEC	\$60,217	Q2-2016	Q4-2016
17	6	NE	1958701	BROADOUS EEC	\$139,142	Q2-2016	Q4-2016
18	5	E	1957901	BROOKLYN EEC	\$139,083	Q4-2016	Q2-2017
19	7	S	1950801	CABRILLO EEC	\$139,112	Q2-2016	Q4-2016
20	3	N W	1959201	CANOGA PARK EEC	\$162,040	Q2-2016	Q4-2016
21	2	C	1951001	CASTELAR EEC	\$60,601	Q2-2016	Q4-2016
22	6	N W	1946001	CHASE EEC	\$312,393	Q3-2016	Q1-2017
23	3	N W	1858801 1949101	CLEVELAND EEC/ CLEVELAND INFANT CARE CENTER	\$91,333	Q3-2016	Q1-2017
24	1	W	1959701	CRESCENT HEIGHTS EEC	\$139,024	Q4-2016	Q2-2017
25	2	C	1949601	CRUZ, BILL EEC	\$161,375	Q3-2016	Q1-2017



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#	BD	LD	COST CENTER	SCHOOL NAME	PROJECT BUDGET	ANTICIPATED CONSTRUCTION START	ANTICIPATED CONSTRUCTION COMPLETION
26	2	E	1951201	DACOTAH EEC	\$156,596	Q4-2016	Q2-2017
27	5	C	1951301	DAYTON HEIGHTS EEC	\$162,040	Q3-2016	Q1-2017
28	7	S	1951401	DOLORES ST. EEC	\$41,043	Q2-2016	Q4-2016
29	5	E	1951501	EASTMAN EEC	\$139,083	Q4-2016	Q2-2017
30	5	E	1958101	EL SERENO EEC	\$139,083	Q3-2016	Q1-2017
31	5	E	1945801	ESCALANTE EEC	\$80,204	Q4-2016	Q2-2017
32	1	W	1951601	ESTHER COLLINS EEC (52ND St EEC)	\$139,083	Q2-2016	Q4-2016
33	7	C	1944101	ESTRELLA EEC	\$80,204	Q3-2016	Q1-2017
34	2	E	1958601	EVERGREEN EEC	\$161,996	Q4-2016	Q2-2017
35	6	NE	1958201	FAIR EEC	\$139,172	Q2-2016	Q4-2016
36	7	S	1916501	GARDENA EEC	\$80,100	Q3-2016	Q1-2017
37	2	E	1958901	GATES EEC	\$139,083	Q4-2016	Q2-2017
38	5	C	1945701	GLASSELL PARK EEC	\$184,288	Q3-2016	Q1-2017
39	6	N W	1957801	GLEDHILL EEC	\$139,157	Q3-2016	Q1-2017
40	5	C	1951701	GLENFELIZ EEC	\$139,112	Q3-2016	Q1-2017
41	7	S	1951801	GRAHAM EEC	\$139,039	Q3-2016	Q1-2017
42	5	W	1951901	GRANT EEC	\$162,025	Q4-2016	Q2-2017
43	2	C	1944301	GRATTS EEC	\$283,288	Q3-2016	Q1-2017
44	6	NE	1958801	HADDON EEC	\$162,025	Q2-2016	Q4-2016
45	7	S	1952201	HAWAIIAN AVENUE EEC	\$139,127	Q3-2016	Q1-2017
46	2	C	1958301	HOBART EEC	\$139,186	Q4-2016	Q2-2017
47	5	E	1952401	HOLMES AVENUE EEC	\$139,083	Q3-2016	Q1-2017
48	5	C	1952501	HOOPER EEC	\$139,851	Q3-2016	Q1-2017
49	1	W	1952701	HYDE PARK EEC	\$139,112	Q2-2016	Q4-2016
50	4	W	1952901	LAUREL EEC	\$139,127	Q4-2016	Q2-2017
51	3	N W	1953001	LEMAY EEC	\$139,068	Q3-2016	Q1-2017
52	7	S	1953101	LOCKE EEC/INFANT CARE CENTER	\$241,150	Q4-2016	Q2-2017
53	2	C	1953201	LOGAN EEC	\$184,214	Q3-2016	Q1-2017



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#	BD	LD	COST CENTER	SCHOOL NAME	PROJECT BUDGET	ANTICIPATED CONSTRUCTION START	ANTICIPATED CONSTRUCTION COMPLETION
54	4	W	1953301	MARINA EEC	\$138,891	Q4-2016	Q2-2017
55	1	W	1958401	MARVIN AVENUE EEC	\$161,996	Q2-2016	Q4-2016
56	5	E	1945901	MCAULIFFE (SR #2 EEC)	\$173,755	Q4-2016	Q2-2017
57	5	C	1953401	MERIDIAN EEC	\$139,083	Q3-2016	Q1-2017
58	1	S	1959101	MIKES, WANDA EEC	\$139,112	Q3-2016	Q1-2017
59	5	E	1953501	MILES AVENUE EEC	\$41,752	Q4-2016	Q2-2017
60	7	S	1953601	MIRAMONTE EEC	\$155,946	Q3-2016	Q1-2017
61	5	C	1959001	MONTE VISTA EEC	\$161,996	Q3-2016	Q1-2017
62	2	E	1953701	MURCHISON EEC	\$79,805	Q4-2016	Q2-2017
63	6	NE	1954001	NOBLE AVENUE EEC	\$139,836	Q3-2016	Q1-2017
64	1	C	1954101	NORMANDIE EEC	\$139,142	Q3-2016	Q1-2017
65	7	S	1954301	NORMONT EEC	\$162,025	Q3-2016	Q1-2017
66	3	N W	1828401	NORTHRIDGE EEC	\$64,500	Q3-2016	Q1-2017
67	6	NE	1954701	PACOIMA EEC	\$139,098	Q3-2016	Q1-2017
68	7	S	1954801	PARK WESTERN PLACE EEC	\$139,053	Q4-2016	Q2-2017
69	1	W	1944701	PARKS HUERTA EEC	\$161,730	Q2-2016	Q4-2016
70	6	NE	1954901	PINEWOOD EEC	\$139,112	Q2-2016	Q4-2016
71	2	E	1955101	RAMONA INFANT CARE CENTER	\$39,595	Q4-2016	Q2-2017
72	5	C	1949701	ROBERTI EEC	\$155,341	Q4-2016	Q2-2017
73	2	E	1955601	ROOSEVELT INFANT CARE CENTER	\$35,341	Q4-2016	Q2-2017
74	5	C	1955301	ROSEMONT EEC	\$139,157	Q3-2016	Q1-2017
75	6	NE	1955501	SAN FERNANDO EEC	\$161,644	Q3-2016	Q1-2017
76	1	W	1955901	SHENANDOAH EEC	\$139,098	Q2-2016	Q4-2016
77	5	E	1956301	STATE ST. EEC	\$160,873	Q4-2016	Q2-2017



## LOS ANGELES UNIFIED SCHOOL DISTRICT Board of Education Report

#	BD	LD	COST CENTER	SCHOOL NAME	PROJECT BUDGET	ANTICIPATED CONSTRUCTION START	ANTICIPATED CONSTRUCTION COMPLETION
78	6	NE	1956501	SYLVAN PARK EEC	\$162,055	Q2-2016	Q4-2016
79	6	NE	1958001	TELFAIR EEC	\$139,098	Q2-2016	Q4-2016
80	3	NE	1956801	TOLUCA LAKE EEC	\$41,087	Q2-2016	Q4-2016
81	2	C	1956901	TRINITY ST. EEC	\$139,083	Q4-2016	Q2-2017
82	3	N W	1954201	VANALDEN EEC	\$162,055	Q3-2016	Q1-2017
83	6	NE	1957201	VAUGHN ST. EEC	\$184,214	Q2-2016	Q4-2016
84	4	W	1957401	VINE EEC	\$168,311	Q4-2016	Q2-2017
85	5	C	1957501	WADSWORTH EEC	\$139,039	Q4-2016	Q2-2017
86	4	W	1957601	WESTMINSTER EEC	\$161,331	Q2-2016	Q4-2016
87	7	S	1958501	WILMINGTON PARK EEC	\$161,644	Q4-2016	Q2-2017
88	2	W	1957701	WILTON PLACE EEC	\$40,954	Q4-2016	Q2-2017
					<b>\$11,949,255</b>		

**LOS ANGELES UNIFIED SCHOOL DISTRICT**

**SCHOOL CONSTRUCTION BOND CITIZENS' OVERSIGHT COMMITTEE**

**Stephen English, Chair**

L.A. City Controller's Office

**Pamela Schmidt, Vice-Chair**

Early Education Coalition

**Quynh Nguyen, Secretary**

LAUSD Student Parent

**Scott Folsom, Executive Committee**

Tenth District PTSA

**Stuart Magruder, Executive Committee**

American Institute of Architects

**Arlene Barrera**

L.A. Co. Auditor-Controller's Office

**Paul Escala**

CA Charter School Association

**Garrett Francis**

Assoc. General Contractors of CA

**Elizabeth Lugo**

LAUSD Student Parent

**Abigail Marquez**

L.A. City Mayor's Office

**Ron Miller**

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

**Scott Pansky**

L.A. Area Chamber of Commerce

**Kathryn Steinberg**

31<sup>st</sup> District PTSA

**Betty Valles**

AARP

**Barry Waite**

CA Tax Reform Assn.

**Susan Linschoten (Alternate)**

L.A. Co. Auditor-Controller's Office

**Joseph P. Buchman – Legal Counsel**

Burke, Williams & Sorensen, LLP

**Thomas A. Rubin, CPA**

Oversight Committee Consultant

**Timothy Popejoy**

Bond Oversight Administrator

**Vacant**

Asst. Administrative Analyst

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**RESOLUTION 2015-40**

**BOARD REPORT NO. 122-15/16**

**AMENDMENT TO THE FACILITIES SERVICES DIVISION STRATEGIC  
EXECUTION PLAN TO DEFINE AND APPROVE INFORMATION TECHNOLOGY  
NETWORK INFRASTRUCTURE, EQUIPMENT, AND PHONE SYSTEM UPGRADE  
PROJECTS**

WHEREAS, District Staff proposes that the Board of Education amend the Facilities Services Division (FSD) Strategic Execution Plan (SEP) to define and approve school Information Technology (IT) network infrastructure, equipment, and phone systems upgrade projects at 88 Early Education Centers (EECs), as listed in Attachment of Board of Education Report No. 122-15/16 attached hereto in addition to staff filing for potential \$1,114,724 in E-rate discounts; and

WHEREAS, advancements in technology have increased the options available to teachers to deliver instructional initiatives as well as changing the way students learn and perform, However that the vast majority of Local Area Network (LAN) projects undertaken over the last decade occurred prior to the introduction of the high throughput and wireless technologies that are used today, and upon which the current instructional technologies depend; and

WHEREAS, as part of the ongoing plan to upgrade the Districts IT network infrastructure, the Board has approved three previous actions for school IT network infrastructure upgrade projects contained in the FSD-SEP (BOE #317-12/13 adopted on June 11, 2013, BOE #248-13/14 adopted on February 11, 2014, and BOE # 392-14-15 adopted on May 13, 2014; and

WHEREAS, the EEC program has approximately 11,000 students in 88 total centers located throughout the District, with most of these sites experiencing increased failure rates impacting instruction and communication; and

RESOLUTION 2015-40

AMENDMENT TO THE FACILITIES SERVICES DIVISION STRATEGIC EXECUTION  
PLAN TO DEFINE AND APPROVE INFORMATION TECHNOLOGY NETWORK  
INFRASTRUCTURE, EQUIPMENT, AND PHONE SYSTEM UPGRADE PROJECTS  
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WHEREAS, The average useful life of network equipment is between 3 and 7 years, with the 88 EECs having network equipment between 10 and 11 years in age and newer applications and increased multimedia usage are creating greater speed and bandwidth needs that the older equipment fails to meet, and currently 60% of the EEC sites are experiencing challenges due to lack of bandwidth; and

WHEREAS, Many of these sites have phone services converged on the network and the high failure rate of the networks is causing the loss of vital communication for part or multiple days as replacement parts are becoming more difficult to find to repair obsolete equipment; and

WHEREAS, New network equipment will also have increased management and security capabilities and features that reduce support costs and offer greater protections; and

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

WHEREAS, the proposed action impacts Bond Program funds only. Funding will be provided by Bond Program funds allocated to Early Education Center Facilities Upgrades Executed by FSD in the School Upgrade Program (SUP). There is no impact to the General Fund; and

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

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The School Construction Bond Citizens' Oversight Committee recommends that the Board of Education amend the Facilities Services Division (FSD) Strategic Execution Plan (SEP) to approve school Information Technology (IT) network infrastructure, equipment, and phone systems upgrade projects at 88 Early Education Centers (EECs), as listed in Attachment A of Board Report 122-15/16 a copy of which is attached hereto in the form it was presented to the BOC and is incorporated herein by reference. \$11,949,255 of Bond Program funds earmarked for Early Education Center facilities upgrades will be allocated to design and construct new projects at these school sites. In addition, with this action, staff are authorized to apply for potential E-Rate discounts in the amount of \$1,114,724.

RESOLUTION 2015-40  
AMENDMENT TO THE FACILITIES SERVICES DIVISION STRATEGIC EXECUTION  
PLAN TO DEFINE AND APPROVE INFORMATION TECHNOLOGY NETWORK  
INFRASTRUCTURE, EQUIPMENT, AND PHONE SYSTEM UPGRADE PROJECTS  
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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. 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 6.12 of the Charter and Memorandum of Understanding between the Oversight Committee and the District.

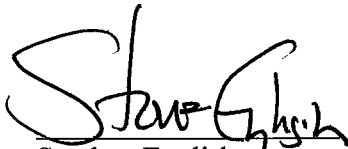
ADOPTED on October 29, 2015, by the following vote:

AYES: 14

ABSTENTIONS: 0

NAYS: 0

ABSENCES: 1

  
Stephen English  
Chair

  
Pamela Schmidt  
Vice Chair