



**OAKLAND UNIFIED
SCHOOL DISTRICT**

Community Schools, Thriving Students

Infrastructure Improvement Project

California Schools Healthy Air, Plumbing and Efficiency (CalSHAPE)



Presented by Facilities Planning & Management

Presented to OUSD Facility Committee

August 21, 2024

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Overview

Objective

- Present detailed project overview for CalSHAPE Project to Facilities Committee
- Establish a level of familiarity and understanding of the project, including Scope of Work, and project costs (*including all funding sources*)
- Address all questions and concerns by Facilities Committee

Desired Outcome

- Overall endorsement and support of project by Facilities Committee for key areas
- Recommendation by Facility Committee to request approval by Board of Directors to enter into a Project Implementation Agreement with Syserco Energy Solutions when it comes to Board in April for approval
- Establish a timeline for project approval that allows maximum amount of work to be completed in October 31, 2026

Background

In June 2021, District Staff engaged with Syserco Energy Solutions (SES) to proceed with detailed engineering and final project development for a comprehensive Energy Services Project. The purpose of this work is to develop a project that will make a District-wide impact, resulting in the following:

- Infrastructure improvements including HVAC, mechanical, plumbing, and refrigeration systems
- Minimally reduce ongoing utility costs
- Carbon dioxide monitoring in classrooms and learning spaces
- Future capital cost avoidance
- Leveraging outside funding sources, demonstrating fiscal responsibility

CalSHAPE

**OUSD has
been awarded
\$10,540,995 in
CalSHAPE
Grant Funding**

- Funding is allocated toward HVAC ventilation, air quality improvement, and water/plumbing improvements
- Grant-funded projects will provide a detailed assessment, minor repairs and qualify OUSD for future funding at 83 schools
- Up to \$186,000 in annual operational savings
- Projects and all reporting must be **completed** within (24) months of start date in order to utilize grant funding

CalSHAPE Only Sites



School Name	CalSHAPE HVAC Ventilation Assessment + CO2 + \$1.1M HVAC Improvements	CalSHAPE Plumbing/Water Conservation
United for Success (Calvin Simmons)	X	X
Chabot	X	X
Oakland International HS	X	X
Prescott	X	X
Westlake MS	X	X
Dewey	X	X
Metwest	X	X
Roosevelt MS	X	X
Garfield	X	X
International Community School	X	X
Acorn	X	X
Bridges	X	X
Brookfield	X	X
Burckhalter	X	X
Castlemont	X	X
Community Day	X	X
CCPA	X	X
East Oak Pride	X	X
Fremont HS	X	X
Frick	X	X



CalSHAPE Only Sites (continued)

School Name	CalSHAPE HVAC Ventilation Assessment + CO2 + \$1.1M HVAC Improvements	CalSHAPE Plumbing/Water Conservation
Greenleaf	X	X
Howard ES	X	X
Rudsdale	X	X
Markham	X	X
Esperanza (Stonehurst)	X	X
Hoover	X	X
Parker	X	X
McClymonds	X	X
Carl B Munck	X	X
Claremont Middle	X	X
Cleveland ES	X	X
Community United	X	X
Crocker Highlands	X	X
Edna Brewer MS	X	X
Emerson ES	X	X
EnCompass Academy	X	X
Franklin ES	X	X
Korematsu	X	X
Hillcrest ES	X	X
Home and Hospital	X	X



CalSHAPE Only Sites (continued)

School Name	CalSHAPE HVAC Ventilation Assessment + CO2 + \$1.1M HVAC Improvements	CalSHAPE Plumbing/Water Conservation
Sojourner Truth (Independent Study)	X	X
Joaquin Miller	X	X
LIFE Academy	X	X
Lincoln ES	X	X
Montclair	X	X
Montera	X	X
Peralta	X	X
Piedmont	X	X
Ralphe Bunche	X	X
Reach Academy (Cox Academy)	X	X
Redwood Heights	X	X
Rise Community	X	X
Sankofa United	X	X
Sequoia ES	X	X
Street Academy	X	X
Think College Now	X	X
Thornhill ES	X	X
Urban Promise	X	X
Melrose Leadership (Maxwell Park)	X	X
Oakland School of Language	X	
Gateway to College (Laney)	X	
Glenview ES	X	
Infant and Preschool		X

CalSHAPE + HVAC + Plumbing Sites



School Name	CalSHAPE HVAC Ventilation Assessment + CO2 + \$1.1M HVAC Improvements	CalSHAPE Plumbing/Water Conservation
Allendale	X	X
Bella Vista	X	X
Bret Harte	X	X
Elmhurst	X	X
Fruitvale	X	X
Lockwood (Futures)	X	X
Global Family	X	X
Grass Valley	X	X
Horace Mann	X	X
Laurel	X	X
Madison Park	X	X
Madison Sobrante	X	X
Manzanita (Community + CDC Seed)	X	X
MLK	X	X
New Highland	X	X
Oakland HS	X	X
West Oakland MS	X	X
Oakland Tech	X	X
Skyline	X	X
La Escuelita	X	X



Funding Sources

Multiple Funding Sources

CalSHAPE Grant Funding

\$10,540,995 awarded to District for HVAC ventilation and water/plumbing improvements

Measure Y Energy Efficiency

\$1.5M with additional Owner Contingency of \$1,204,096 for a total of \$13,245,094

Potential Environmental, Health, and Safety Impacts



- Air quality assessment and improvements in classrooms and learning spaces
 - Improved HVAC ventilation
 - Monitoring of carbon-dioxide levels for classroom safety
- Upgraded refrigeration controls for improved temperature control and alerts in the event of failure of the “door-open” status



Project Financials

Total Project Cost (NTE)	\$13,245,094
<CalSHAPE Grant Funding>	\$10,540,995
Measure Y Energy Efficiency	\$1,704,096
Year 1 Utility & Operational Savings	~\$186,000 annually
NET 20-Year Savings to District	~\$3,720,000

* Based on the following annual escalations:

- Utility = 5.7%
- Water = 3%
- Natural Gas = 4.9%
- Operational = 3%

Project Timeline

Board Consideration of Project Approval	August 2024
Execute Contract / Begin Project Implementation	August 2024
Complete CalSHAPE Scope of Work	October 2026

Estimated Final Completion is October 2026

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