

OUSD Energy Management

Overview & Progress

Facilities Committee Meeting, June 18, 2025
OUSD Facilities Planning & Management



**OAKLAND UNIFIED
SCHOOL DISTRICT**

Community Schools, Thriving Students

AGENDA

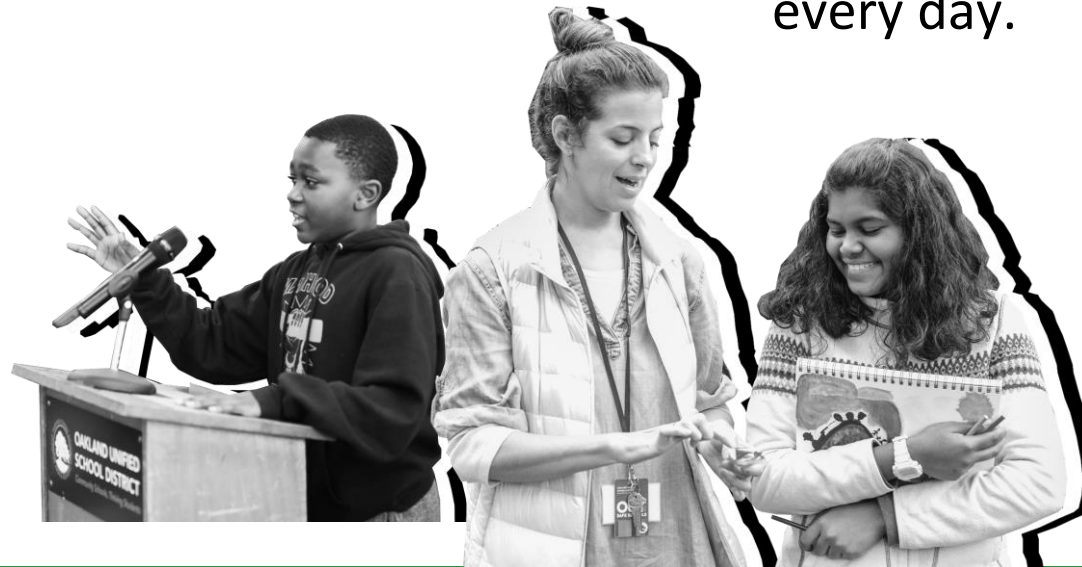
- Mission and Vision
- Energy Management & Sustainability Strategy Overview
- Project Highlights

Our Vision

All OUSD students will find joy in their academic experience while graduating with the skills to ensure they are caring, competent, fully-informed, critical thinkers who are prepared for college, career, and community success.

Our Mission

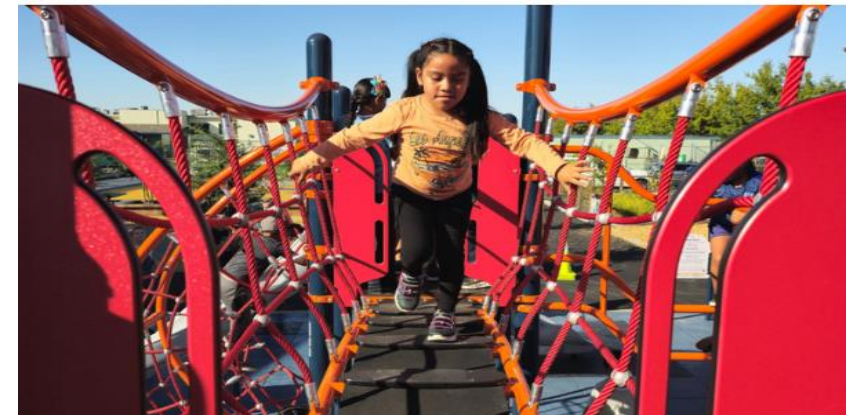
Oakland Unified School District (OUSD) will build a Full Service Community District focused on high academic achievement while serving the whole child, eliminating inequity, and providing each child with excellent teachers, every day.



Facilities Mission Statement

We support whole student growth and success by planning, constructing, and maintaining facilities that are flexible, resilient, healthy, safe, and joyful.

These spaces maximize inclusion, collaboration, empower innovation, and inspire creativity, preparing our students to be college-, career-, and community-ready.



Energy Management and Facility Operations

Enhancing Our Mission

Energy Management enhances our Mission

- Reducing utility spending and operating costs to reinvest into student programs
- Supports the future ready facilities which creates a resilient and safe learning environment
- Enhances comfort and indoor air quality for joyful learning spaces



Classroom fluorescent lighting is an example of inefficient energy-using infrastructure in schools



Living Schoolyard and Solar Installation Projects at Lockwood ES

Energy Management & Sustainability at OUSD

What is Energy Management at OUSD?

Energy management tracks and optimizes energy use to reduce utility expenses, boost efficiency, and reduce environmental impact.

OUSD [BP 3511](#) (last updated in 2004): Energy & Water Conservation

Commits OUSD to reducing electricity and water use.

Key components include:

1. Setting energy and water reduction goals
2. Implementing an energy efficiency program
3. Developing an emergency action plan for power outages
4. Analyzing utility rate impacts on the budget
5. Recommending facility upgrades for efficiency
6. Seeking funding and incentive opportunities
7. Reporting progress regularly to the Board

What is Sustainability at OUSD?

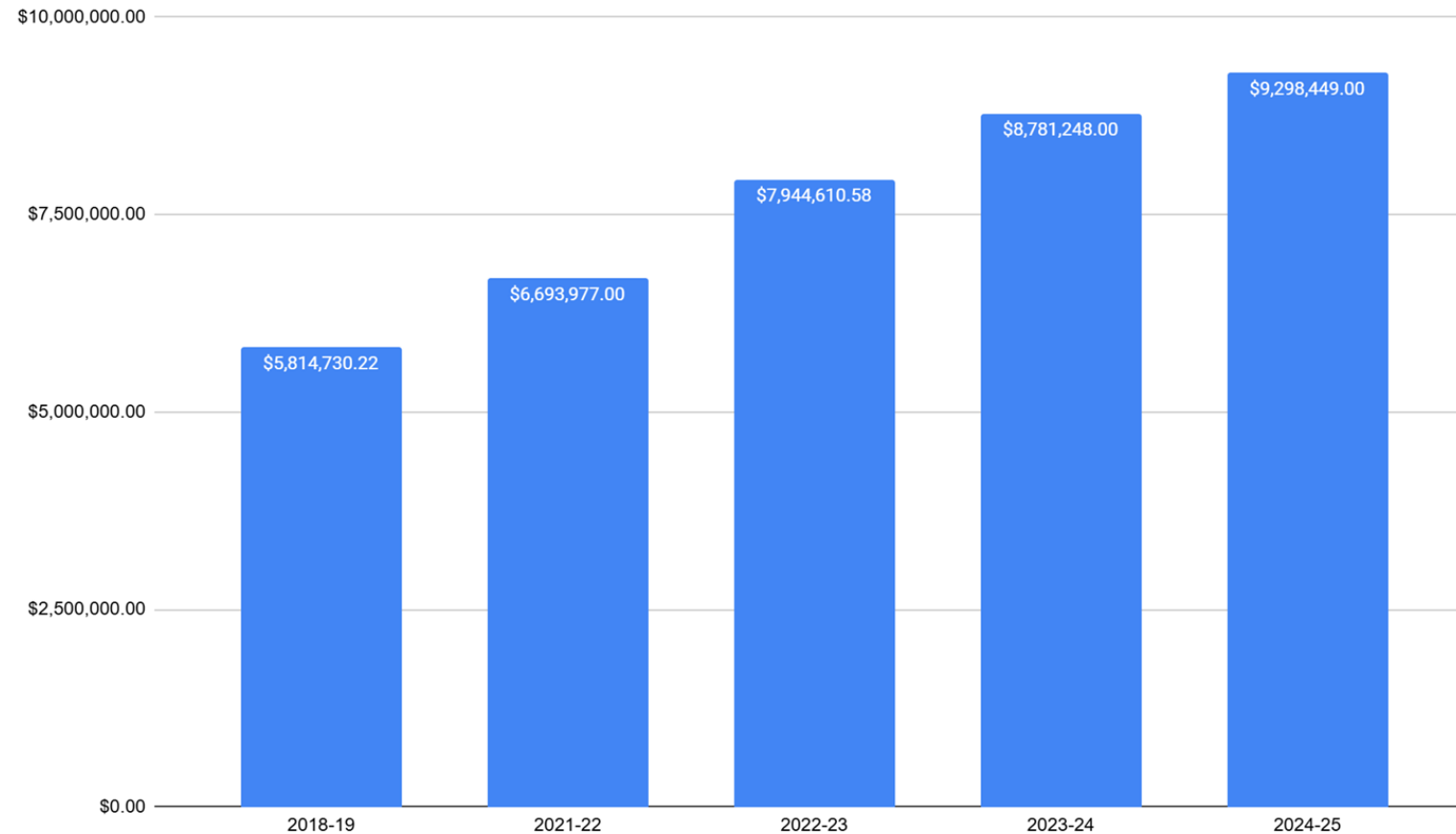
Sustainability is meeting today's needs without compromising the ability of future generations to meet theirs. It balances environmental protection, social responsibility, and economic well-being.

OUSD [Climate Emergency Action Resolution](#) (2020):

- **Achieve 100% clean electricity by 2030**
- **Phase out the use of fossil fuels by 2030**

OUSD adopted a [Sustainability Policy](#) (2025) and is developing an implementation plan to achieve these goals.

Gas & Electricity Expenditures, SY 2018-19 to 2024-25



**24-25 is still an active year and finalize cost of the expenditures will not be final until the closing of the book in Fall 2025. Current expenditures noted in 2024-25 are as of 6.9.2025*

2nd Interim School Year 2024-25

Material Changes in Unrestricted General Fund Projections since Budget Adoption

Revenues (Unrestricted) - \$12.1M Increase

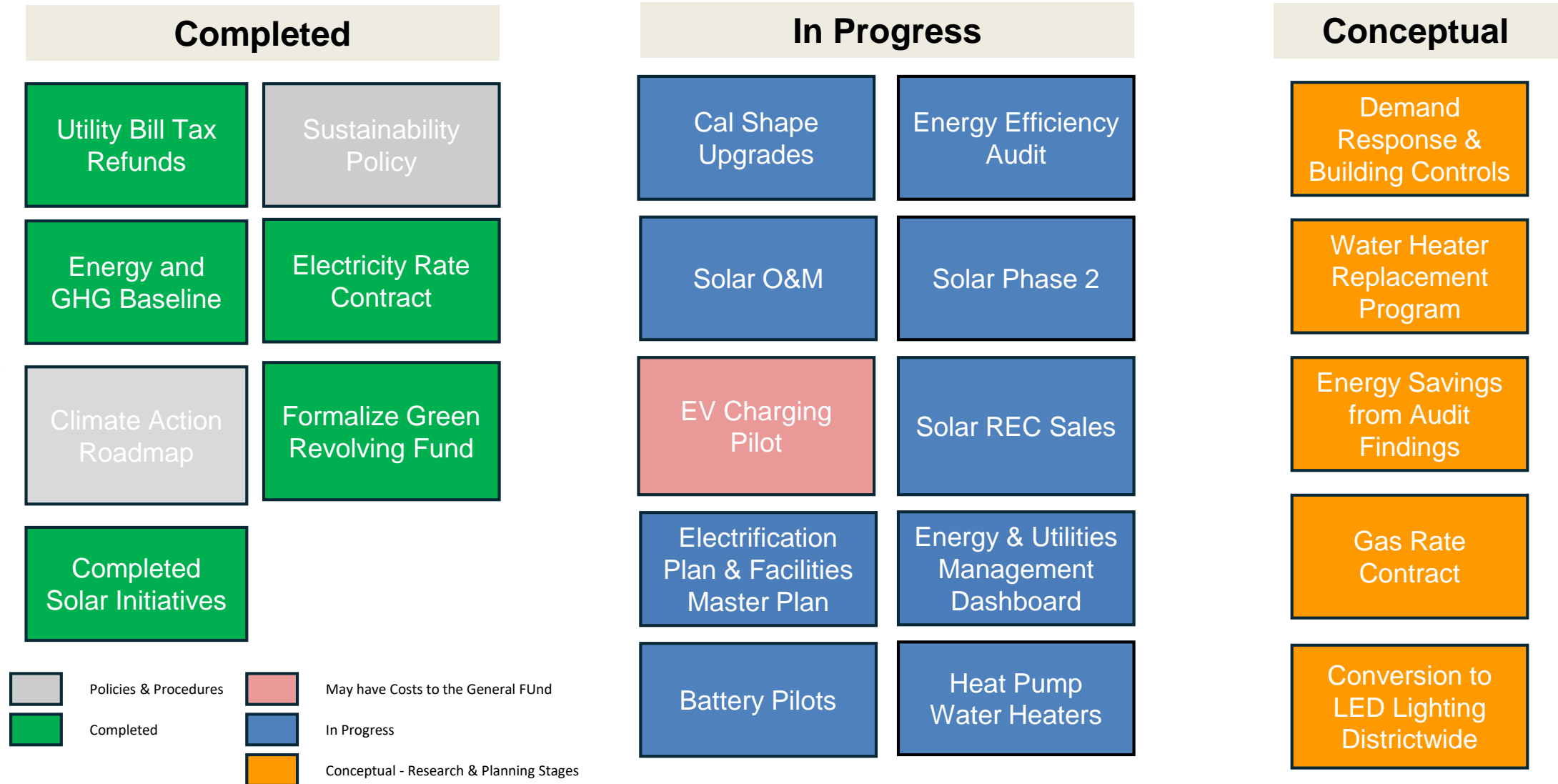
- LCFF Increase of \$1.4M
- Other Local Revenue increase of \$9.8M
 - \$2M Interest
 - \$5.3M Net Change in FairValue Investment

Expenditures (Unrestricted) - \$15M Increase

- Certificated Salaries - \$2.2M
 - Increase in Teacher Salary Stipends, Object 1120 \$2.5M, S & C Carryover Resource 0006
- Reduction in Books and Supplies
 - Object 4399 Unallocated, S & C Carryover \$2.9M
 - Object 4395, Re-Allocate Resources to other object codes in Current Year Supplemental and Concentration \$8.6M
- Increase in Services and Operating Expenditures \$5.8M
 - Resource 0000 - \$4.1M
 - PG & E Increase in projected cost \$2.1M
 - Increase in Consultant Expense \$.8M S & C Carryover

Energy & Sustainability Initiative Overview

HOW IS OUSD MANAGING ENERGY USAGE ACROSS THE DISTRICT?



OUSD In Progress Energy Management Project Highlights

Initiative	Impact	BP 3511 Goal Alignment
Calshape Upgrades	<ul style="list-style-type: none"> - District-wide HVAC assessments, CO2 monitoring installation, and efficiency plumbing upgrades - \$10M grant funding 	<ul style="list-style-type: none"> ● Recommending facility upgrades for efficiency ● Seeking funding and incentive opportunities
Comprehensive Energy Efficiency Audit	<ul style="list-style-type: none"> - District-wide audit of facility infrastructure to identify and implement energy conservation measures - Funded through project savings and external state or federal sources 	<ul style="list-style-type: none"> ● Identifying opportunities for facility efficiency upgrades ● Seeking funding and incentive opportunities
Solar Initiative	<ul style="list-style-type: none"> - 23 school sites with completed solar, 8 planned - Generates utility savings to general fund - Solar Renewable Energy Credits to be sold as revenue 	<ul style="list-style-type: none"> ● Implementing an energy efficiency program ● Analyzing utility rate impacts on the budget
Heat Pump Water Heater Replacements	<ul style="list-style-type: none"> - Piloting 21 school sites - Cost-neutral to the District through GK12 Program 	<ul style="list-style-type: none"> ● Recommending facility upgrades for efficiency ● Seeking funding and incentive opportunities
Energy & Utilities Management Dashboard	<ul style="list-style-type: none"> - Identify savings opportunities and track progress towards goals - Enables transparent data sharing with the community 	<ul style="list-style-type: none"> ● Setting energy and water reduction goals ● Reporting progress regularly to the Board

OUSD Completed Energy Management Project Highlights

Initiative	Impact	BP 3511 Goal Alignment
Sustainability Policy	<ul style="list-style-type: none"> - Established a District-wide sustainability framework to inform project prioritization 	<ul style="list-style-type: none"> ● Setting energy and water reduction goals ● Implementing an energy efficiency program ● Reporting progress regularly to the Board
Electricity Rate Contract	<ul style="list-style-type: none"> - Provides electricity at rates lower than PG&E - Supplies cleaner, renewable energy 	<ul style="list-style-type: none"> ● Analyzing utility rate impacts on the budget
Formalize Green Revolving Fund	<ul style="list-style-type: none"> - Reuses savings from past projects to fund new sustainability efforts - Supports ongoing cost-saving and emissions-reducing upgrades 	<ul style="list-style-type: none"> ● Seeking funding and incentive opportunities ● Implementing an energy efficiency program
Climate Action Roadmap	<ul style="list-style-type: none"> - Defined roadmap to develop and report on sustainability policy and planning progress 	<ul style="list-style-type: none"> ● Reporting progress regularly to the Board
Energy & GHG Baseline	<ul style="list-style-type: none"> - Established baseline to set and track energy and emissions reduction goals - Enables transparent data sharing with the community 	<ul style="list-style-type: none"> ● Setting energy and water reduction goals ● Reporting progress regularly to the Board

Summer Conservation Tips — Save Energy and Water During Summer Break

Classrooms and Office Spaces

- Turn off lights and electronic devices when not in use.
- Set computers and office equipment to energy-saving modes when they are not in use for extended periods.
- Unplug chargers and electronic devices when not in use.
- Fully turn off faucets and report any leaks you notice.

Classrooms

- Set thermostats to energy-efficient temperatures or, preferably, turn them off when classrooms are unoccupied.
- Unplug all electronic devices, laptop carts, refrigerators, microwaves, etc.
- Turn off the classroom lights, projectors, and computers when they are not in use.
- Minimize water use in sinks and nearby restrooms by ensuring faucets are fully closed.
- Report all fixtures that are leaking immediately.

Next Steps

- Develop an Energy Management Plan in alignment with the Sustainability Implementation Plan & Facilities Master Plan
- Update the Energy Management Policy (BP 3511) to Align with best practices and complement the sustainability policy.
 - Continue to review and implement policies that promote energy and water conservation during breaks
- Continue to schedule routine maintenance to check for leaks and replace inefficient appliances or fixtures, lighting, and plumbing.
- Continue to support the Cal Shape energy-efficient (HVAC) and water fixtures conservation grant during summer, ensuring that contractors comply with OUSD standards.



THANK YOU

Any Questions?

Additionally, for more information, please reach out:

Assistant Project Manager, Energy & Sustainability
Hannah Press, *hannah.press@ousd.org*

APPENDIX

Sustainability Project Timeline

ONE YEAR LOOK AHEAD

Projects	%	Q1 2025			Q2 2025			Q3 2025			Q4 2025		
		1	2	3	4	5	6	7	8	9	10	11	12
Solar Phase 2	25												
Calshape Upgrades	33												
Solar REC Sales Agreement	10												
EV Pilot	45												
Solar O&M	10												
Sustainability Policy	100												
Sustainability Plan	33												
Battery Projects	75												
Energy Efficiency Audit	15												
Water Heater Upgrades Pilot	25												

Procurement

Design

Construction

Complete