

OUSD Climate Action and Sustainability Board Policy

First Read and Overview

OUSD Facilities Committee
January 16th, 2025
OUSD Facilities Planning & Management



**OAKLAND UNIFIED
SCHOOL DISTRICT**

Community Schools, Thriving Students

Grounding the Work

Climate Emergency Action Resolution (Passed in 2020)

1

Established Two Goals:
100% clean electricity by 2030
Phase out the use of fossil fuels by 2040

2

Establishment of Inter-Departmental Task Force and Sustainability Advisory Council

3

Draft a Climate Emergency Board Policy (Phase 2) and Plan (Phase 3).
Focus Areas: *clean and efficient energy, water resilience, waste prevention, transportation, facilities, living schoolyards, purchasing, nutrition and food systems, curriculum integration, culture and values, and environmental sustainability funding*

Guiding Directives

OUSD Strategic Plan Initiatives (2021-2024)

Ensuring Strong Readers by the Third Grade

Supporting Empowered Graduates

Creating Joyful Schools

Growing a Diverse and Stable Staff

Federal, State, County, and City

Senate Bill 1383 (2016)

CA Draft Climate Action Plan (2024)

CA Title 24 (2024)

Alameda County Climate Action Plan (2023)

Oakland ECAP (2020)

OUSD Plans, Guidelines, and Board Policies

Wellness Policy – Nutrition Guidelines (2014)

Facilities Master Plan (2020)

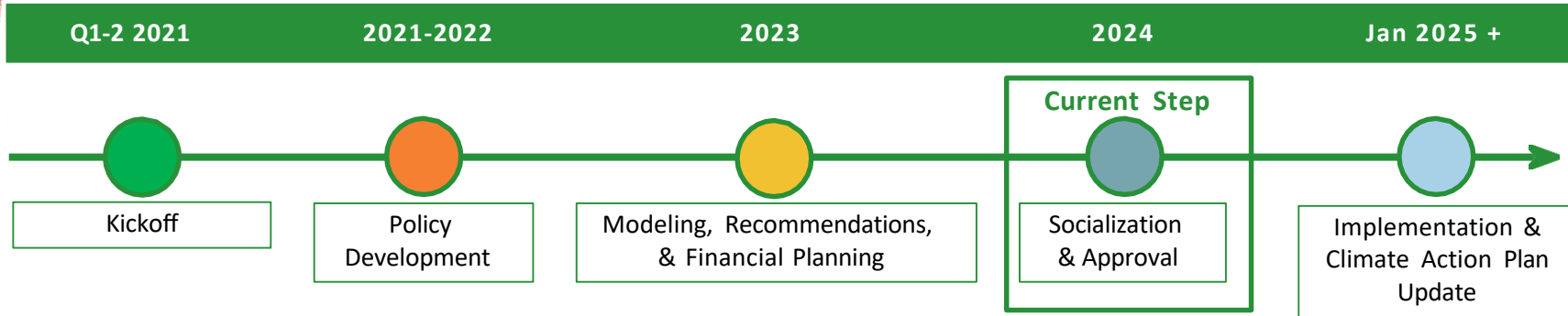
Good Food Purchasing Policy (2017)

Living Schoolyards Guidelines (2022)

Environmental & Climate Change Literacy (2019)

Shared Operational Savings & Green Revolving Fund Resolution (2014)

Sustainability Policy: Progress Timeline



Informing Our Policy

- Historical Sustainability Baseline *
- Cost Estimate Analysis **
- Implementation Plan Assumptions Drafting ***
- Greenhouse Gas Inventory Baseline and Reduction Modeling
- Peer Institution Research ****
- City of Oakland Alignment

*Appendix Slide 19 ** Appendix Slides 20-21 *** Appendix Slide 18
****Appendix Slides 15-16

Community Touchpoints *

- Sustainability Advisory Council and District Staff Task Force Monthly Meetings **
- Community Survey
- Sustainability Website
- Awareness Video
- Student Engagement Projects

*Community Engagement Roadmap: Appendix Slide 14
**Governance Structure: Appendix Slide 13

Collaborators & Advisors

Facilities Planning & Management

Risk Management

Custodial Services

Building & Grounds

Transportation Services

Procurement

Academics & Innovation

District Communications

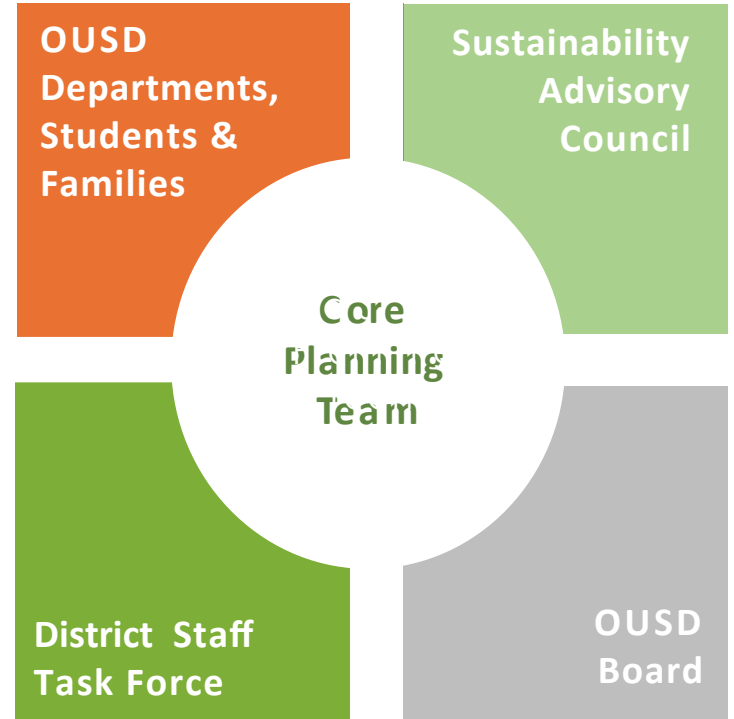
Linked Learning

The Center, Nutrition Services

OUSD Families

Students

Teachers



Sustainability Policy - Goal Areas



Culture and Values

Community Engagement Plan



Energy Efficiency and Clean Energy

- Solar
- Energy Efficiency Upgrades
- Batteries
- Renewable Energy Purchasing



Waste Prevention

Waste Prevention Program



Water Resilience

Plumbing Replacement & Upgrades



Facilities

- Green Building Standards
- HVAC Assessments
- CO2 Sensors



Living Schoolyards

Living Schoolyards Policy & Guidelines



Purchasing

Green Purchasing Policy



Transportation

- Electric Bus Fleet
- Electric Vehicle Charging



Nutrition and Food Systems

Sustainable Dining Options



Curriculum Integration

Climate Literacy Policy (ECCL)



Sustainability Funding

Green Revolving Fund

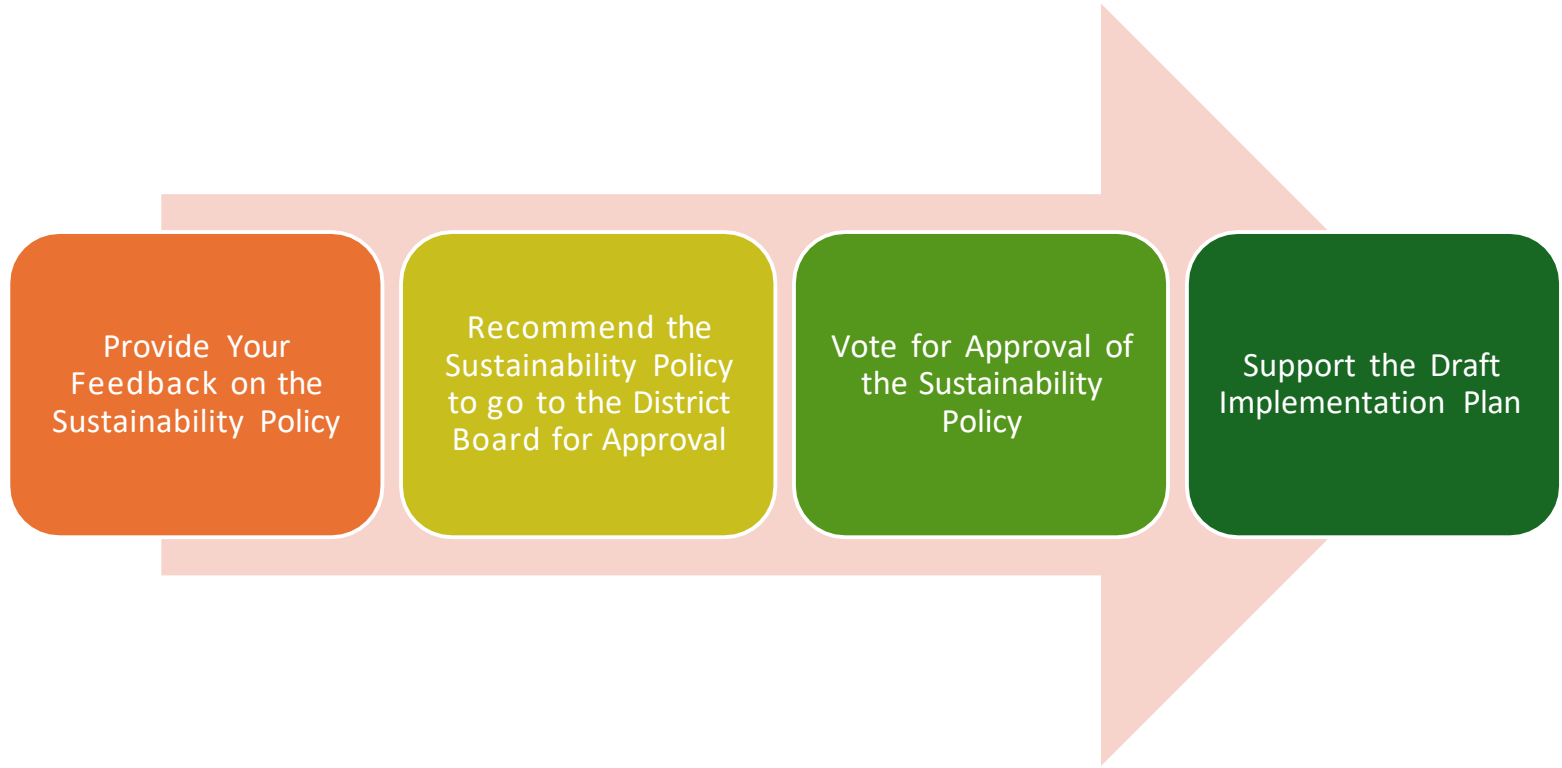
Current Initiatives

Expanding Funding Sources

Current options shown are subject to change as OUSD continues to explore and secure new opportunities

National / Regional	Third-Party	OUSD
Inflation Reduction Act	Bond	Operational Budget / General Fund
Bipartisan Infrastructure Law	Utility Incentives	Capital Budgets
State Funding	Grants & Fundraising	Energy Efficiency Savings / Green Revolving Fund

Next Steps: Ask of the Board



Provide Your
Feedback on the
Sustainability Policy

Recommend the
Sustainability Policy
to go to the District
Board for Approval

Vote for Approval of
the Sustainability
Policy

Support the Draft
Implementation Plan

Stay Engaged with Sustainability at OUSD!

1. Take our Sustainability Survey
2. Watch and Share our Sustainability at OUSD Video
3. Visit the OUSD Sustainability Website



Current Initiative In Action: Waste Prevention Program



<http://www.ousd.org/sustainability>

OUSD Sustainability Outreach Video



YouTube: <https://youtu.be/-RMIBDZrzQ?si=JTXq93TrZ1U1ctcu>

THANK YOU

Any Questions?

Additionally, for more information, please reach out:

Preston Thomas, OUSD Chief of Systems & Services

Pranita Ranbhise, OUSD Director, Facilities Planning & Management

Hannah Press, Assistant Project Manager Sustainability & Energy Efficiency,
OUSD Facilities Planning & Management

Thora Butler, Sustainability & Equity Fellow, Sustainability Service Corps

Appendix



**OAKLAND UNIFIED
SCHOOL DISTRICT**

Community Schools, Thriving Students

Overview of the OUSD Climate Emergency Action Planning Approach

Phase 1: OUSD Climate Emergency Action Resolution

This Resolution is high level and intentionally defers the work of strategic planning and goals-setting to the policy development phase in order to allow for deep and meaningful stakeholder engagement.

Phase 2: OUSD Climate Emergency Action Board Policy

This policy will present the vision of OUSD's Climate Action and Sustainability Activities. The policy will provide high-level direction and establish overarching sustainability goals. The policy will be created by the OUSD Task Force and Community Sustainability Advisory Council, working in collaboration.

Phase 3: - Sustainability Plan / Administrative Regulations

This plan (AKA Administrative Regulation) will serve as OUSD's comprehensive implementation plan related to climate action and sustainability. It will be the single resource containing all of OUSD's sustainability goals, strategies, implementation timelines, funding considerations, etc.

Governance Structure

OUR APPROACH

Core Planning Team

- OUSD Facilities Planning & Management
- Brailsford & Dunlavey: Hannah Press, Assistant Project Manager; BACR Sustainability & Equity Fellow
- Develop recommendations for Policy Development
- General Oversight

Facilities Department Leadership

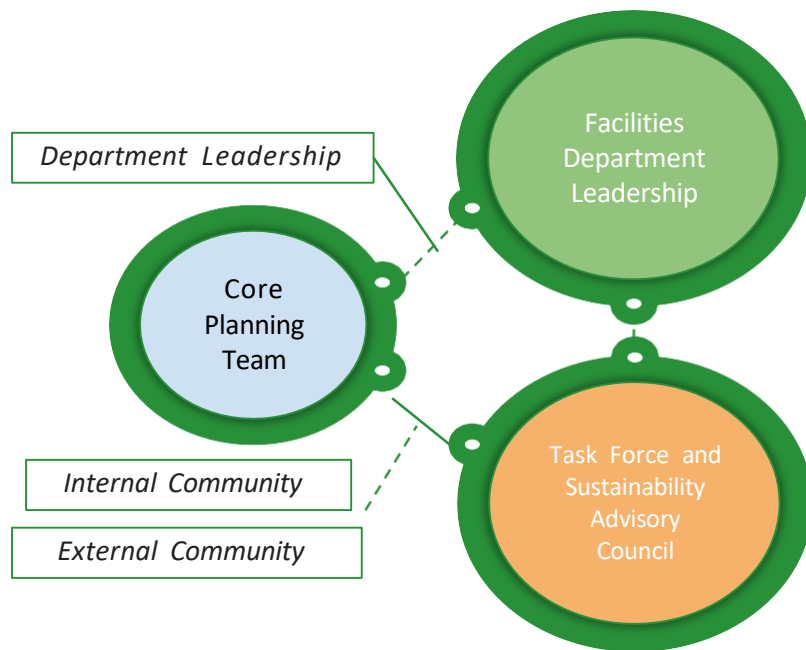
- Pranita Ranbhise: Director, Facilities Planning & Management
- Preston Thomas: Chief Systems and Services Officer (CSSO)
- Approve Recommendations

Task Force and Sustainability Advisory Council

- High-level, Multi-disciplinary
- Provide Feedback to Core Team for Policy development

Department Leadership

- Policy-Related Department Review and Feasibility Feedback
- Accountability of Policy-Implementation



Internal Community (as needed)

- Key community members, constituents and subject matter experts
- Student engagement
- Provide Feedback and Best Practice Insights

External Community (as needed)

- City Planning & Development staff
- Provide Feedback and Best Practice Insights



Oakland Unified School District Sustainability Planning & Engagement Process

The Oakland Unified School District's (OUSD) 2020 Climate Emergency Action Resolution outlines ambitious objectives, including achieving 100 percent clean electricity by 2030 and eliminating fossil fuels by 2040. To realize these objectives, OUSD is crafting a comprehensive Sustainability Policy and a subsequent Climate Action Plan to serve as a guide for the implementation of sustainability solutions across the District. Below are the engagement activities that involve collaborative efforts of interdisciplinary interest groups to shape the plan and policy.

POLICY DEVELOPMENT



Sustainability Advisory Council (SAC) Kick-Off
Meet to outline the goals and objectives of the Council.



District Staff Task Force Kick-Off
Meet to outline the goals and objectives of the Task Force.



SAC Monthly Meetings
Draft initial goals and priorities for the Policy and Implementation Plan.



Department Leadership Meetings
Review initial draft goals as they relate to each department.



District Staff Task Force Monthly Meetings
Draft initial goals and priorities for the Policy and Implementation Plan.

INFORMING POLICY



Industry Subject Matter Experts Meetings
Validate initial draft goals with industry subject matter experts. This may include individuals from partner organizations or environmental agencies.



Peer Institution Research
Research and conduct analysis on comparable districts to incorporate best practices and lessons learned into the Policy and Implementation Plan.



Cost Estimate Analysis
Estimate cost-savings of the Policy and Implementation Plan.



Re-launch District Staff Task Force
Collaborate on Policy recommendations, cost analysis, and Implementation Plan assumptions.



Draft Implementation Plan Assumptions
Begin drafting preliminary implementation plan activities to provide insights into the policy objectives.

CONSULTING COMMUNITY



Community Surveys
Conduct surveys with various interest groups to further gain insight into community priorities.



Awareness Building
Increase community awareness of the sustainability policy by providing platforms to share updates, educate, and engage the community in the policy and planning process.



Draft Policy Finalization
Incorporate all feedback into a final draft Policy for District leadership review.

BOARD PREPARATION



Draft Policy Presented to Facilities Committee
Present final policy for first read. Policy will either be approved or be re-presented inclusive of suggested revisions.



Draft Policy Presented to District Board
Present Policy for approval. Policy will either be approved or be re-presented inclusive of suggested revisions.

PLAN IMPLEMENTATION



Re-engage the SAC
Gather feedback on the Implementation Plan.



Board-Facilitated Town Hall Meetings
Gather community input about how to implement the sustainability policy that will shape the sustainability plan.



Draft Implementation Plan
Incorporate all feedback into a draft Implementation Plan for District leadership review.

Action	
	Feedback Collected
	Information Shared
Audience	
	District Staff
	OUSD's Facilities Department Sustainability Team
	Community
	Sustainability Experts

For more information contact Hannah Press at hannah.press@ousd.org.
Updated November 2024

*Steps in process are subject to change.



Subject Matter Expert and Peer Institutions Research

February 8th, 2024
Facilities
Committee Update

- Engaged in best practices discussions with nine school districts on sustainability planning.
 - Topics covered: policy/plan development, community engagement, cost analysis, building requirements, challenges, etc.
- Partnering with the City of Oakland Sustainability Team for joint community engagement activities.
- Subject Matter Experts provided review of the draft Sustainability Policy.



RICHMOND
SCHOOL DISTRICT NO. 38



Peer Institutions Research

Best Practices Recommendations

Community and District Staff Meetings Structure

- **Targeted Topics:** Focus community meetings around specific subjects (Ex. Water, Curriculum, ect.).
- **Department Inclusion:** Regular sessions with department heads for coordination and collaboration on sustainability initiatives.
- **Consistent Goals:** Keep consistent meeting goals across each specific community meeting subject.
 - What do we maintain, discontinue, and develop?
- **Excellent Facilitation:** Employ proficient facilitators for community meetings.

Community Engagement

- **Student Voice:** Foster student participation in sustainability projects (Ex. Surveys & Focus Groups).
- **Foster Action & Awareness:** Emphasize and raise awareness of District sustainability actions and practices.

Sustainability Curriculum

- **Integration:** Evaluate the current curriculum for sustainability integration.
- **Utilization:** Use on-site resources for sustainability education (Ex. living schoolyards, air quality monitoring).

Energy and Sustainability Initiatives

October 17th, 2024
Facilities
Committee Update

FALL 2024

Completed	In Progress		Potential New	
Utility Bill Tax Refunds	Ava Electricity Contract	EV Charging Pilot	Formalize Green Revolving Fund	Expanded EV Charging
Energy and GHG Baseline	Solar PPA Phase 2 & 3	Sun Power Maintenance	Energy Efficiency Upgrades (PG&E OBF)	Demand Response Management
Community Engagement Strategy	Cal Shape Upgrades	Board Policy & Climate Action Plan	Building Controls Strategy	
Climate Action Roadmap	Solar REC Sales Agreement	Battery Pilots		
Solar PPA Phase 1				

The Major Initiatives

PRELIMINARY IMPLEMENTATION PLAN ASSUMPTIONS

INITIATIVE	DESCRIPTION
Energy Efficiency	Lighting retrofits, mechanical system improvements, retro-commissioning, etc.
Space Optimization	Optimize building GSF and usage
On-Site Renewables	Solar or battery projects
Off-Site Renewables	Replace grid-purchased electricity with renewable electricity
Energy Transition	Electrify natural gas equipment while addressing deferred maintenance and capital renewal needs

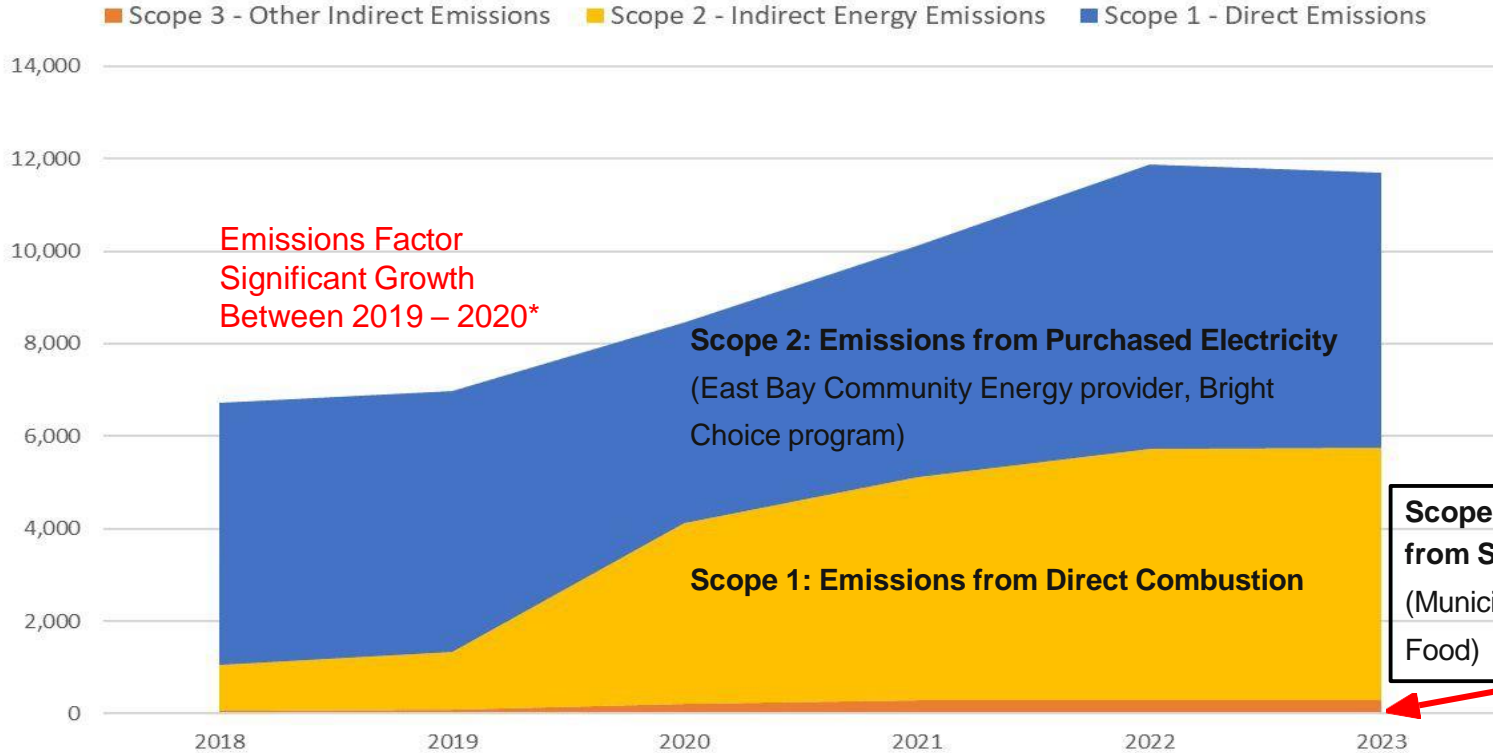
NOT YET MODELED

INITIATIVES	DESCRIPTION
EV Fleet Conversion	Convert current fleet vehicles to electric
Waste Management	Diversion of waste from the landfills, increased recycled waste, and decreased overall quantity of waste

Historical Greenhouse Gas Emissions

SPRING 2024 - SCOPE 1 & 2 GHG INVENTORY

Oakland Unified School District GHG Emissions (MTCO₂e)



Energy & Utility Financial Context

PRELIMINARY ANALYSIS - REPORTED UTILITY BILLS, O&M, AND ESTIMATED CAPITAL

• Item	FY 23	2024 through 2050	
		Present Value ¹	Cumulative
Utility Bills (Electricity, natural gas)	\$ 6.3 M	\$ 127 M	\$ 240 M
O&M ² – MEP Systems	\$ 1.6 M	\$ 23 M	\$ 41 M
Capital Renewal ³ – MEP, HVAC, etc.	\$ 5.9 M	\$ 131 M	\$ 250 M
Total	\$ 13.8 M	\$ 281 M	\$ 531 M
Carbon Risk ⁴	\$ 0.5 M	\$ 15 M	\$ 31 M
Total with Carbon Risk	\$ 14.2 M	\$ 296 M	\$ 562 M

1. Discount Rate = 5%, Inflation Rate = 2.5%, Capital Escalation Rate = 3%
2. O&M costs escalate at 3.0%
3. Capital renewal rate assumption = \$25/GSF every 25 years
4. Assumes \$51 / MTCO_{2e} in 2024 escalating at 5% per year.

Read more: <https://www.wired.com/story/the-biden-administration-weighs-the-social-cost-of-carbon/>

Estimated Projected Cost Comparison

PRELIMINARY LIFE CYCLE COST ANALYSIS (NOW TO 2050)

