



# Earth Day Recognition & Sustainability Update

Board Meeting  
April 18, 2024  
Agenda Item No. 9.6

**Presented by:**  
Chamberlain Segrest, Sustainability Manager

**We cannot fully address environmental issues without also addressing the root causes of systemic oppression.**

## **CORE VALUE**

We recognize that our system is inequitable by design and we vigilantly work to confront and interrupt inequities that exist to level the playing field and provide opportunities for everyone to learn, grow and reach their greatness.

## **SCUSD GUIDING PRINCIPLE**

All students are given an equal opportunity to graduate with the greatest number of postsecondary choices from the widest array of options

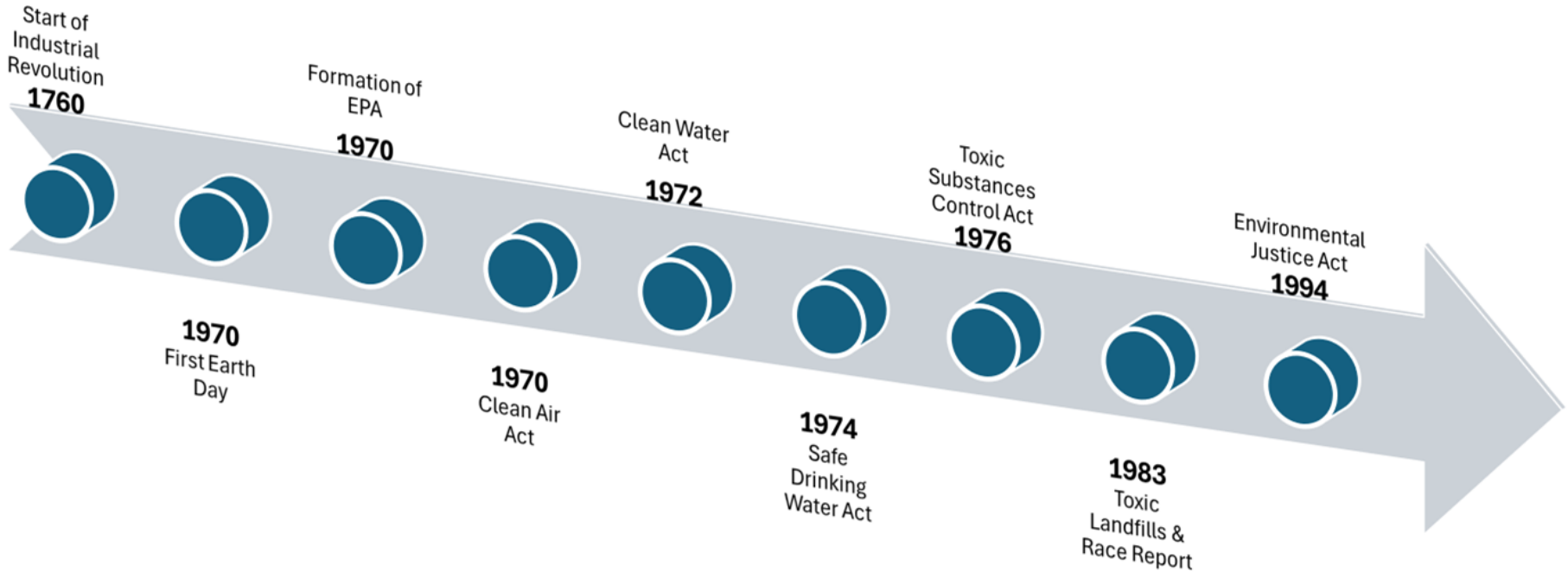
# Acronyms

<b>EPA</b>	Environmental Protection Agency
<b>SMAQMD</b>	Sacramento Metropolitan Air Quality Management District
<b>LED</b>	Light Emitting Diode
<b>IAQ</b>	Indoor Air Quality
<b>EV</b>	Electric Vehicles
<b>SB</b>	Senate Bill
<b>CARB</b>	California Air Resource Board
<b>EOY</b>	End of Year

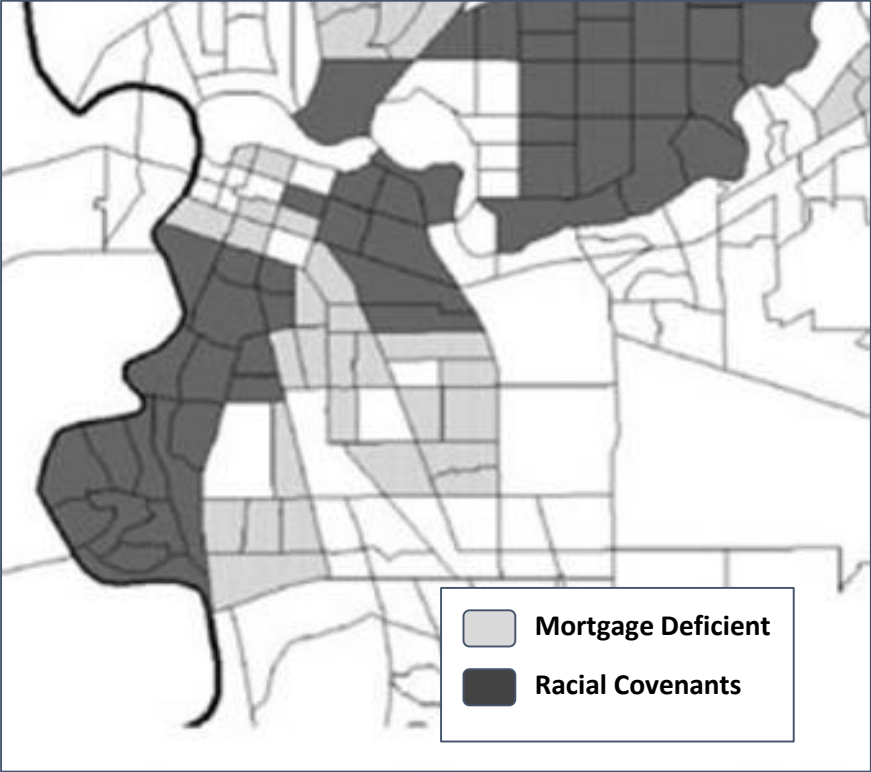
# Agenda

- **Earth Day Recognition**
- **Sustainability Update**
  - Buildings
  - Transportation
  - Waste Reduction
  - Restorative & Resilient Schoolyards
- **Questions**

# Earth Day Recognition

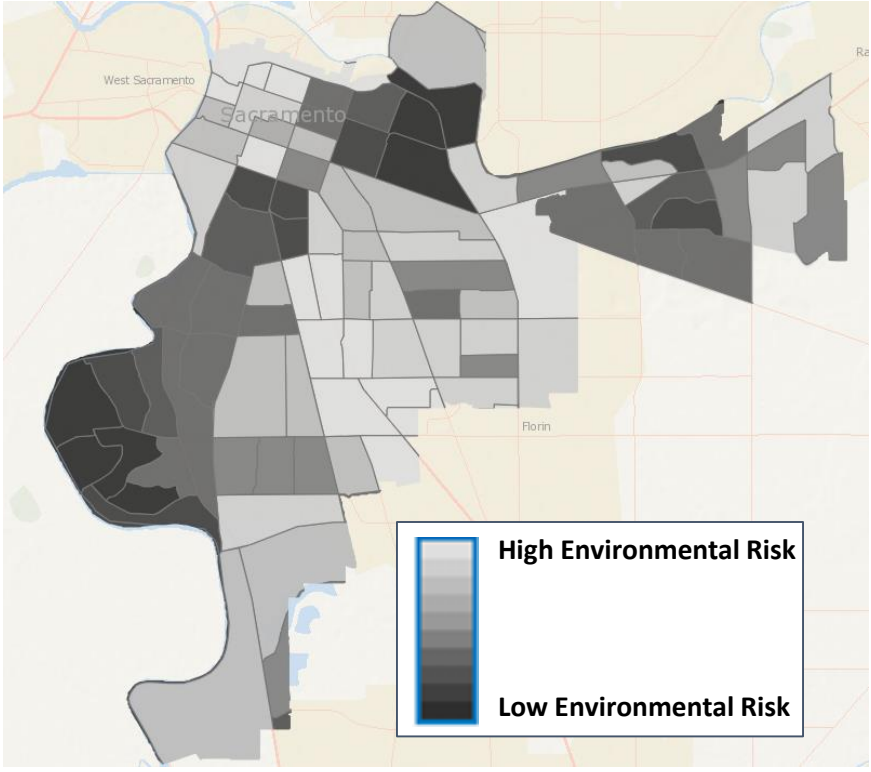


# Sacramento Redlining



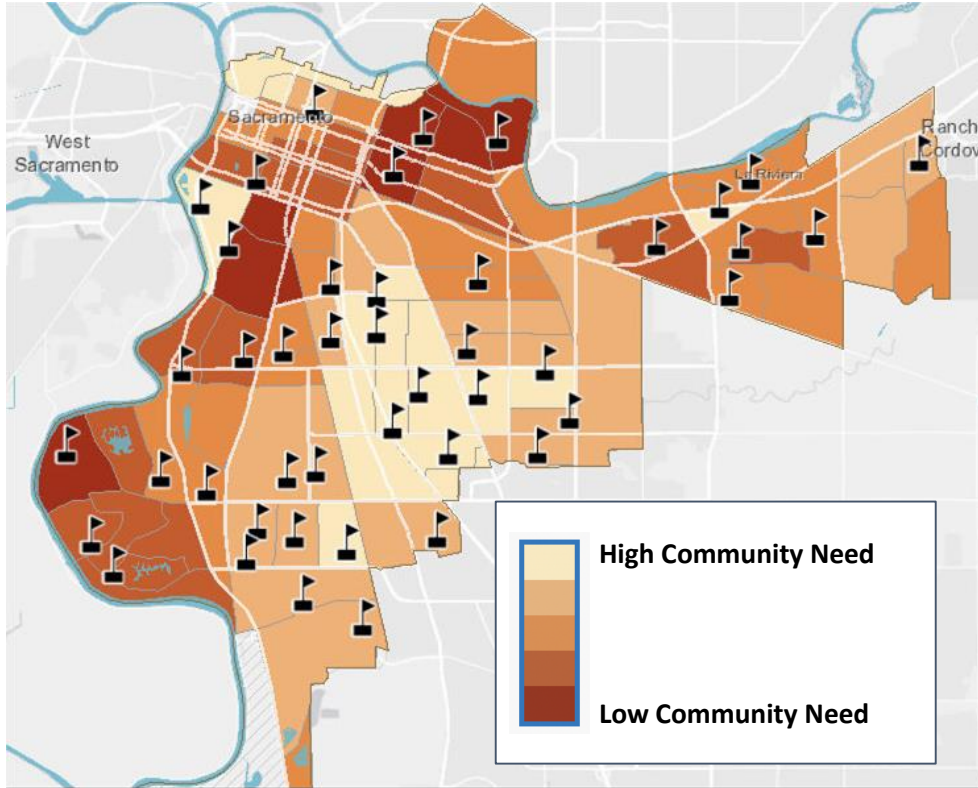
From Redlining Revisited / International Journal of Urban and Regional Research / Dr. Jesus Hernandez

# Sacramento Environmental Risk Assessment



From CalEnviroScreen 4.0

## SCUSD Equity Index



## High Community Need=

### Increased Environmental Harms


- Lead exposure
- Heat exposure
- Fine particulate exposure
- Traffic noise exposure
- Pesticide exposure
- Toxic chemical exposure
- Increased asthma rates
- Increased health risks

### Decreased Environmental Benefits

- Tree cover
- Clean water
- Clean air
- Healthy food
- Access to natural areas
- Access to clean energy
- Access to air filters/conditioning

# Buildings

**APPROVED**

 **SACRAMENTO CITY UNIFIED SCHOOL DISTRICT BOARD OF EDUCATION**  
Agenda Item# B\_d

**Meeting Date:** October 5, 2023

**Subject:** Approve Resolution No. 3348: Adopting Carbon Neutral Goals and Guidelines for SCUSD Buildings

Information Item Only  
 Approval on Consent Agenda  
 Conference (for discussion only)  
 Conference/First Reading (Action Anticipated: \_\_\_\_\_)  
 Conference/Action  
 Action  
 Public Hearing

**Division:** Facility Support Services


**Recommendation:** Approve Resolution No. 3348: Adopting Carbon Neutral Goals and Guidelines for SCUSD buildings.


**Background/Rationale:** Resolution No. 3348 would adopt the Carbon Neutral Goals and Guidelines for SCUSD Buildings that was presented to the Board at the September 21, 2023 Board Meeting.

Sacramento City Unified School District (SCUSD) is embarking on a process to design, construct, and modernize school buildings and facilities to achieve carbon neutrality by 2045, which is set by California Executive Order B-55-18, 2018. As part of the ongoing work outlined by the Facilities Master Plan that was Board approved in October 21, 2021, the District partnered with the New Buildings Institute (NBI) and the Sacramento Municipal Utilities District (SMUD) to develop District guidelines for prioritizing efforts to achieve building portfolio carbon neutrality by 2045, if not sooner. This includes portfolio and project level energy targets and timelines, as well as project requirements for new construction, major modernizations, and facility upgrades. This was a major component of the Facilities Master Plan.

**PASSED AND ADOPTED** by the Sacramento City Unified School District Board of Education on this 5<sup>th</sup> day of October 2023, by the following vote:

AYES:   
NOES:   
ABSENT:   
ABSTAIN:

ATTESTED TO:   
Christina Hines  
President of the Board of Education

  
Lisa Allen  
Superintendent

**REQUEST FOR PROPOSAL**

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**District Decarbonization Study**

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- Energy Efficiency Evaluation
- Electrification Evaluation
- Renewable Energy Evaluation
- Cost Analysis & Reporting
- Acceleration of Timeline

**COMING SOON**

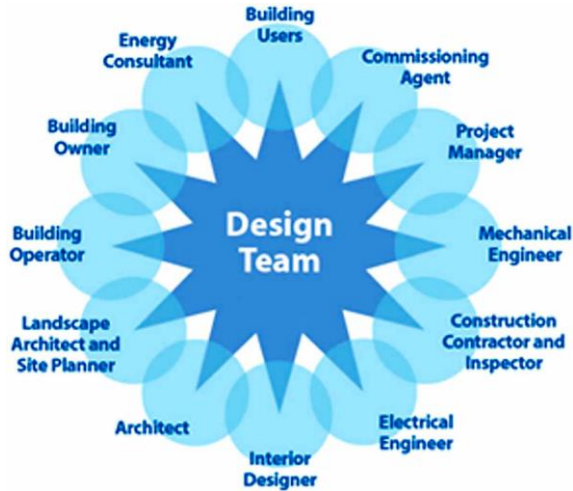
**Benefits of LED**



- 1 Consumes lower energy levels than other lamps making it environmentally friendly.
- 2 Higher lumen output to wattage consumed than incandescent or fluorescent bulbs.
- 3 Lamp doesn't lose energy during operation so there is no heat byproduct.
- 4 Offers the best color rendering index to highlight colors to the human eye.
- 5 Offers the widest range on the Kelvin color temperature scale.
- 6 LED lighting products have an average life of 30,000 to 50,000 hours or longer.



# Buildings



Eco Charrettes



Electrification Pilots



Indoor Air Quality

# Buildings

## Microgrid



January 29, 2024

### Notice of Funding Availability

### Extreme Heat and Community Resilience Program

FY 2023 - 2024

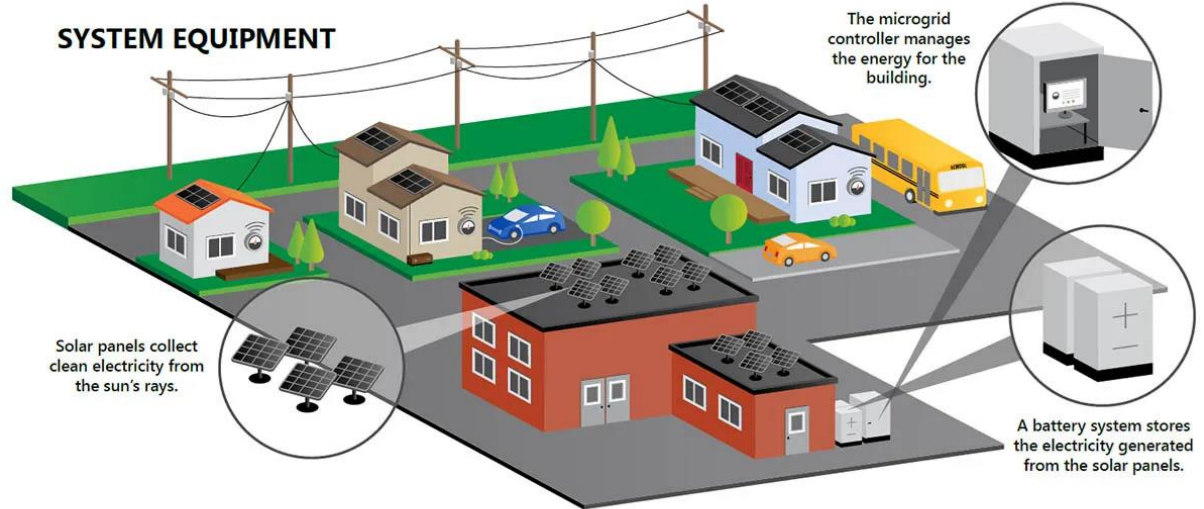
TO: All Potential Applicants

FROM: EHCRP Staff, Governor's Office of Planning and Research

SUBJECT: NOTICE OF FUNDING AVAILABILITY - TOTAL OF \$20 MILLION FOR PLANNING AND IMPLEMENTATION GRANT AWARDS FOR ROUND 1 OF THE EXTREME HEAT AND COMMUNITY RESILIENCE PROGRAM

The Governor's Office of Planning and Research (OPR) is pleased to announce the availability of funding for Round 1 of the Extreme Heat and Community Resilience Program (EHCRP) through this Notice of Funding Availability (NOFA). OPR anticipates that \$20 Million will be available for competitive awards in Round 1. Funding for the EHCRP is provided by the General Fund. All applicants must submit the "Pre-Application Interest Form" to access the Full Application Form via the online platform Submittable.

### SYSTEM EQUIPMENT



# Transportation



- More EV Chargers
- Networked Software



- SMAQMD Grant: 7 buses
- Applied EPA Grant: 8 more



White Fleet  
Electrification



\$500K Transportation  
Needs Assessment  
Award from CARB

# Waste Reduction



**WHAT IS SB 1383**

SB 1383 is a state law designed to address food insecurity and reduce unnecessary food waste

Scroll to Learn More



## Waste Reduction Goals

**EOY 2023/24**  
All Elementary  
Schools Trained  
and Sorting



**EOY 2024/25**  
All Schools Trained  
and Sorting

# Restorative & Resilient Schoolyards

## SCHEMATIC DESIGN | Parkway Schoolyard Forest



Typical Schoolyard



SEAT LOGS



STUMP CIRCLE



BALANCE LOGS



SPLIT RAIL FENCE



ENGINEERED WOOD FIBER



DRY CREEK BED



THEMED PLANTING AREAS



STEP STONES



LOG TUNNEL



OAK WOODLAND

PARKWAY ELEMENTARY SCHOOL | SCHOOLYARD FOREST

# Student Engagement & Curriculum





Questions?

