



Carbon Neutral Goals & Guidelines

Board Meeting
May 18, 2023
Agenda Item No. 10.1

Presented by:
Chamberlain Segrest

CORE VALUE

We recognize that our system

Acronyms

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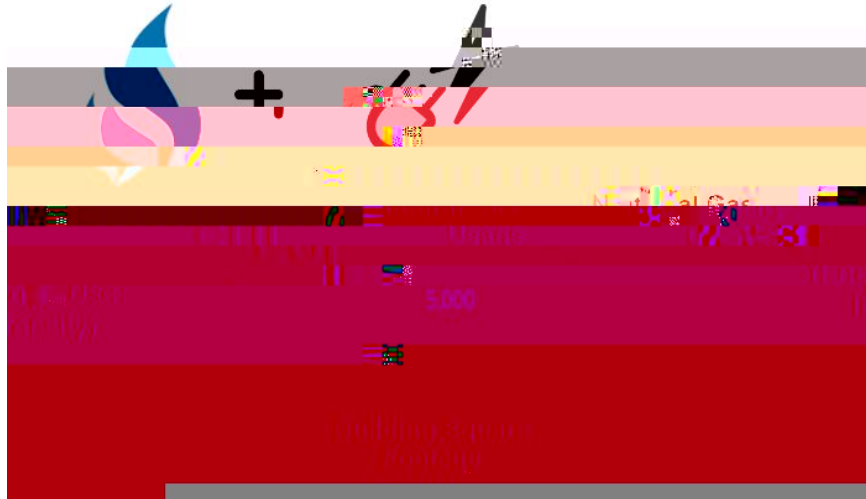
Agenda

- Initial Process
- Goals and Guidelines
- Costs of Inaction
- Next Steps



Initial Process

- “ Facilities Master Plan
- “ Districtwide Energy Audit in 2019
- “ New Building Institute + Sacramento Municipal Utilities District
 - o Determine Energy Use Intensity (EUI) for each building (2018/19 data)
 - o Create Carbon Neutral Goals & Guidelines



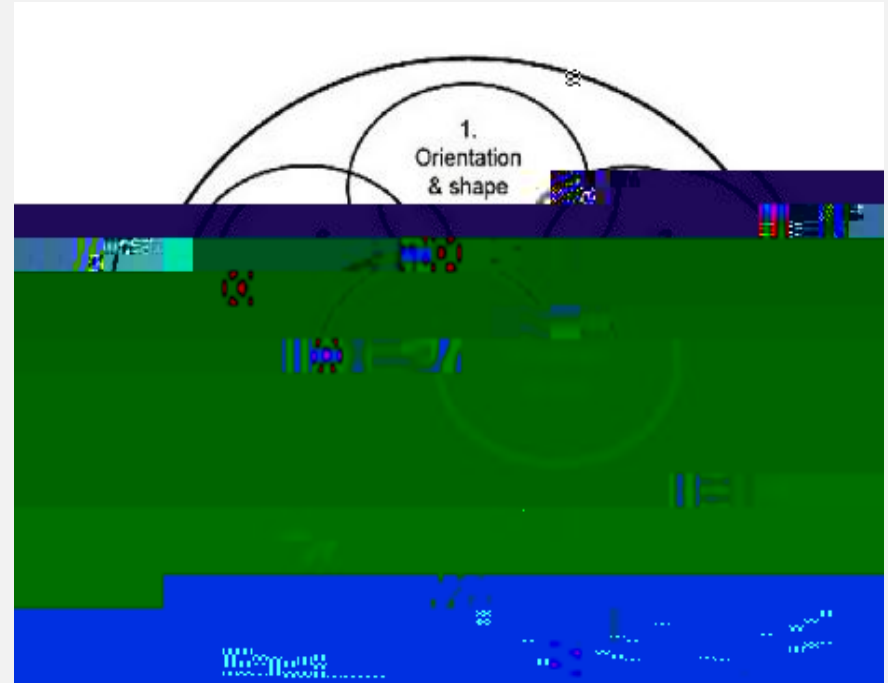


Goals & Guidelines

Portfolio Level Goals



Guidelines



Project Level Goals

1. All new construction projects will achieve a site EUI of 19-21 kBtu/sf/year before PV
 2. All major modernization projects will achieve a site EUI of 25 kBtu/sf/year before PV
- HE All school facility retrofits will improve the site EUI by 20-50% from a 2019 baseline and include a written plan for future removal of all gas-combusting equipment



Costs of Inaction

- Financial
 - Carbon neutral schools are not more expensive
 - Natural gas prices are volatile
 - Utility bills come from the general fund
- Environmental
 - Climate change is a threat to human well-being and planetary health (*very high confidence*)*
 - There is a rapidly closing window of opportunity to secure a liveable and sustainable future for all (*very high confidence*)*
 - The choices and actions implemented in this decade will have impacts now and for thousands of years (*high confidence*)*
 - Buildings contribute 40% of global Greenhouse Gas Emissions
- Social
 - Vulnerable communities who have historically contributed the least to current climate change are disproportionately affected (*high confidence*)*



* from the 2022 IPCC Report

Next Steps

Board Resolution

Implementation of Goals & Guidelines

Embed in Standards and Specifications

Training for Maintenance Staff

