

# ECO- SUSTAINABILITY OFFICE UPDATES

## Greening Schools & Climate Resilience Committee Meeting

Christos Chrysiliou, FAIA, LEED AP  
Chief Eco-Sustainability Officer

October 29, 2025



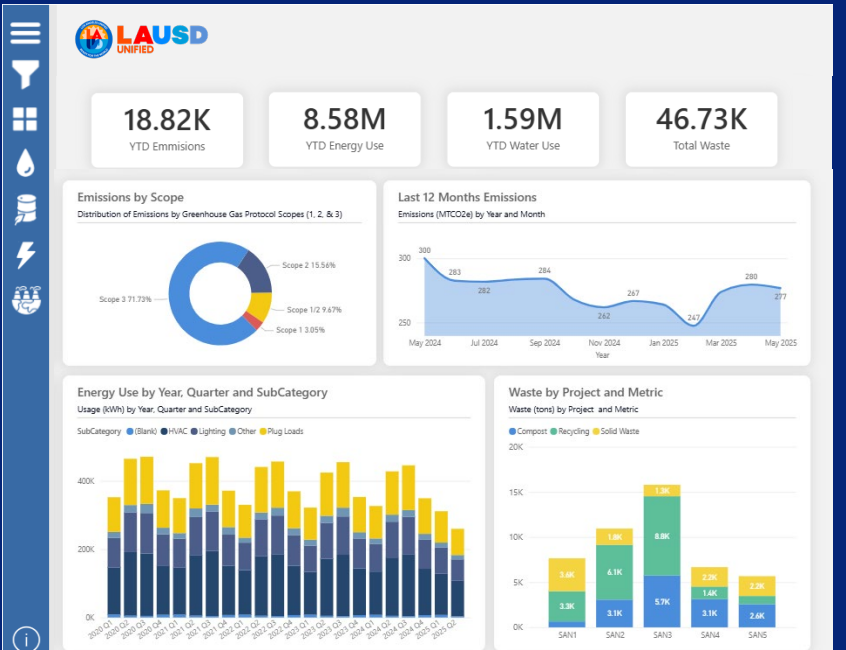
Dr. Lawrence H. Moore Math, Science, & Technology Academy Middle School, solar car ports and greening

# Agenda

- Solar Program
- Third Party Greening Partnering Updates
- Eco-Sustainability Plan



Stoner ES



Diego Rivera Learning Complex Solar Car Ports

# Solar Program Updates

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- Roadmap
- Investment Tax Credits
- Timeline

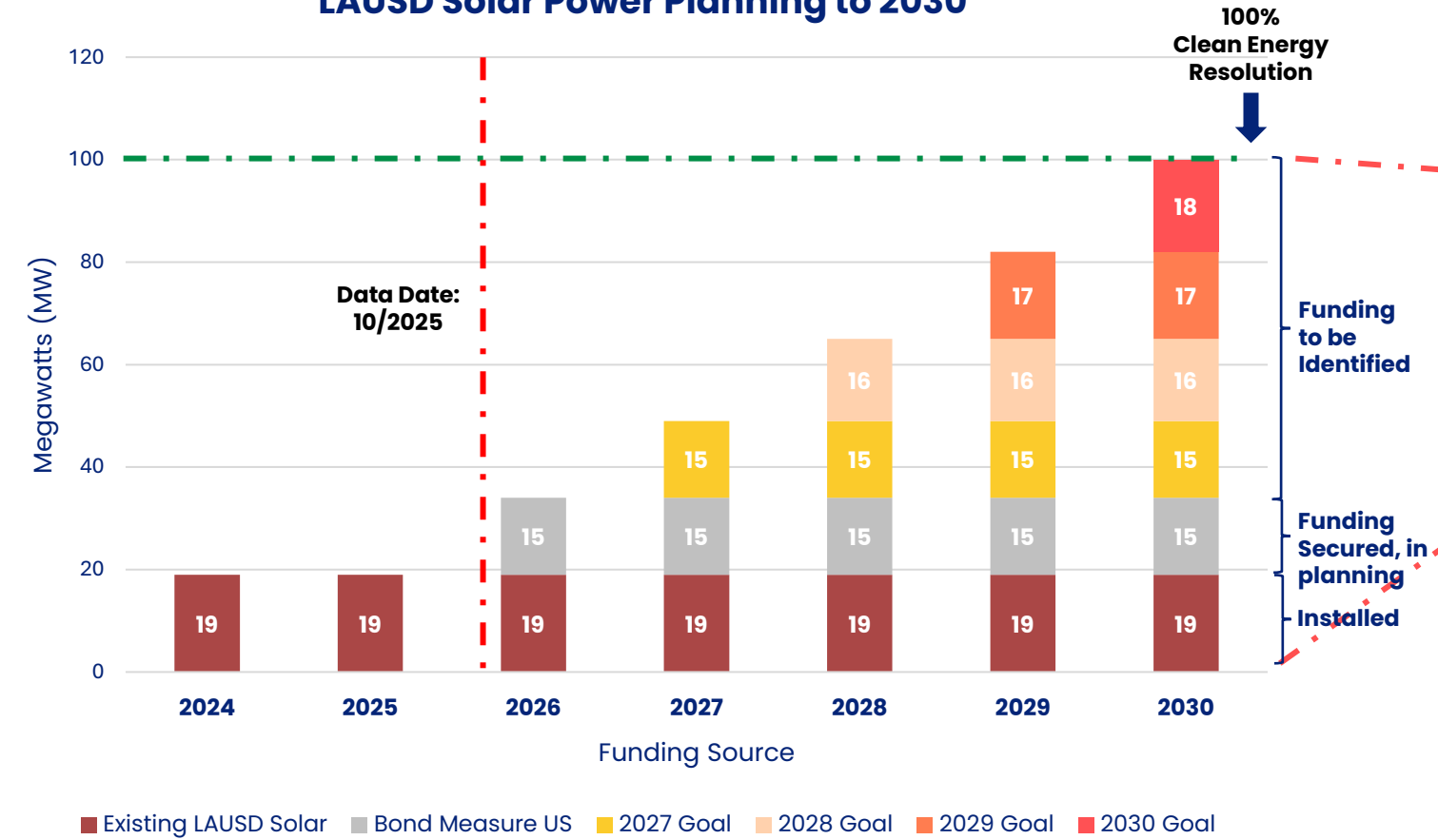


Pico Warehouse Roof Solar Photovoltaics

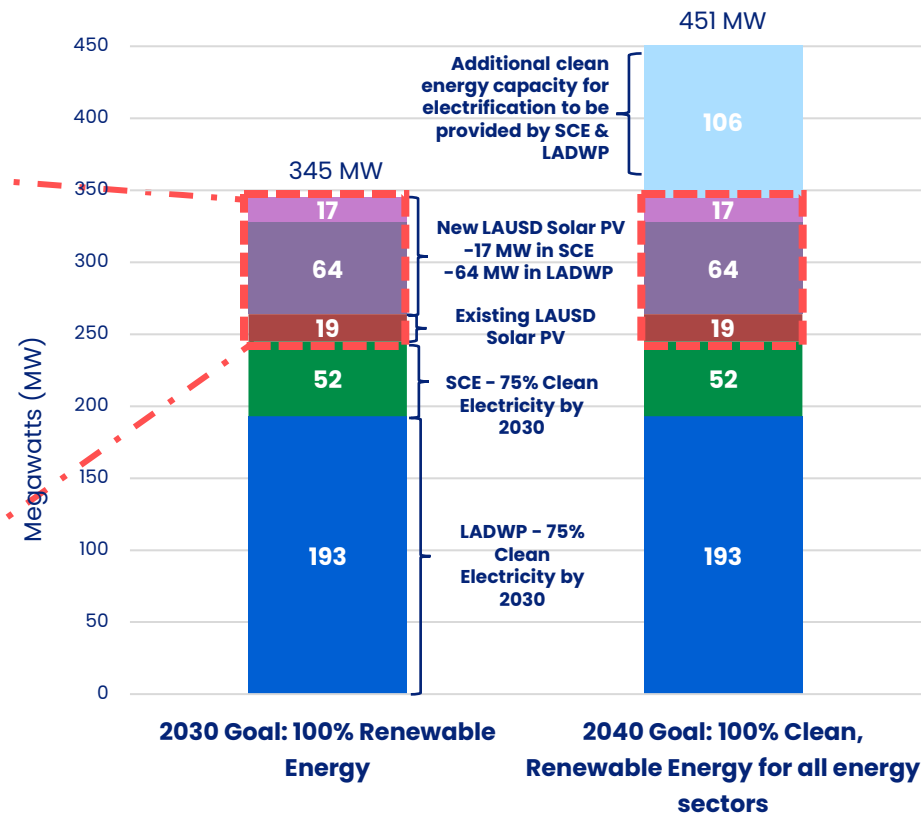


# Solar Program

LAUSD Solar Power Planning to 2030



LADWP 2035 Goal & LAUSD 2040 Clean Electricity Goal





# Investment Tax Credit

## Solar PV Program – 21 Sites Total Contract Costs

|                                  |                     |                                                                                     |
|----------------------------------|---------------------|-------------------------------------------------------------------------------------|
| Design Costs                     | \$6,687,852         |                                                                                     |
| Electric Vehicle Charger Costs   | \$4,016,861         |                                                                                     |
| <b>(Eligible) Solar PV Costs</b> | <b>\$82,659,963</b> |  |
|                                  | <hr/> \$93,364,676  |                                                                                     |
|                                  |                     |  |

**\$33,063,985**  
**Estimated**  
**Tax Credits**

**Goal: Capture available clean energy Tax Credits**

**Complete all projects by December 31, 2027 – submit Tax return by April 2028**



# Solar Program



Lawson Academy Solar Carport



Maywood Academy High School Solar Carport

## PROGRAM TIMELINE

**April 2025**

- All 21 solar projects contracts executed.

**October 2025**

- All 21 solar projects – Issue Notice to Proceed for Design.

- All 21 solar projects – Issue Construction Directive to purchase 75% of materials to establish Beginning of Construction by 12/31/25 under 5% Safe Harbor

**Continuous Construction or Efforts Required**

**April 2027**

- For solar projects completed in 2026, submit tax return for clean energy tax credits

**December 2027**

- All solar projects completed and energized

**April 2028**

- For solar projects completed in 2027, submit tax return for clean energy tax credits

## ITC CRITICAL DATES

**July 4, 2025**

- Passing of the One Big Beautiful Bill Act (OBBBA) – Includes revisions to eligibility timelines for solar PV and battery storage projects tax credits under section 48E

**September 2, 2025**

- 5% Safe Harbor available for solar PV systems less than 1.5 MW to establish Beginning of Construction

**December 31, 2025**

- Deadline to use 5% Safe Harbor to establish Beginning of Construction and avoid Foreign Entity of Concern (FEOC) materials assistance restrictions

**January 1, 2026**

- Solar PV and battery storage materials purchased after 12/31/25, must comply with all FEOC requirements to remain eligible for clean energy tax credits under section 48E

**July 4, 2026**

- Work beginning before 7/4/26 will have four (4) years to energize the system to be eligible for tax credits
- Work beginning after 7/4/26 will have to energize the system by 12/31/27 to be eligible for tax credits

# Third Party Greening Partnering Updates

- LAUSD Commitment to Partnerships
- Project Streamlining
- Lead Paint Protocols
- Funding to Offset LAUSD Fees



O'Melveny ES- Ribbon Cutting Ceremony



# Streamlining Project Supervision



Hamasaki Elementary School landscaping bed is prepared for shrub installation

Updated approach for review and oversight of third-party greening projects

- To help grantees navigate LAUSD's processes and requirements, ESO will serve as the single point of contact for the partners throughout the entire project
- A 'Tiger Team' dedicated to third party greening projects will provide rapid resolution of design, testing, construction, and inspection issues that may arise. The team of technical staff from FSD and OEHS will provide consistent guidance for grantees, with coordination by ESO
- ESO will monitor District charges for specific tasks to identify opportunities for reducing project costs



# Lead Paint Protocols

## Key Clarifications & Changes

- I. Are we required to abate painted lines before removing the asphalt?

**No**

- II. Why do we need to follow lead safety protocols?

**Student safety, regulatory compliance, protection of the environment**

- III. Can waste characterization testing take the place of lead content testing?

**No. Determining lead content for health protections is totally separate from determining lead content for waste disposal.**

- IV. Can we just have the painted lines sampled before the project begins to see if there is any lead in the first place?

**Yes**

- **Inductively Coupled Plasma – Optical Emission Spectrometry (ICP-OES) analysis**
- **Sampled by qualified District or Contractor personnel**
- **If results are below reporting limit, no lead safety or disposal requirements are required**



**Kids  
Learn  
Better  
Lead-Free**



# Funding to Offset LAUSD Fees

- LAUSD will contribute \$3 Million from the General Fund for immediate use to support current third-party greening projects:
  - Funds will be allocated proportionately based on grant amounts
  - We will provide corresponding credits or reimbursements to help grantees offset costs
- ESO will provide a transparent cost breakdown for District charges



Glenfeliz Boulevard Elementary School SEEDS garden



# Funding Allocation

- I. **44 Third Party Greening Projects with a Grant amount total of \$58.1M**
- II. **Proposed Allocation at 5% of Total Grant Award Amount**
- III. **Project Fees by Phase:**
  1. **PLANNING/DESIGN**
    - FETU Testing
    - CEQA & Site Assessment Oversight
    - Design Review
  2. **CONSTRUCTION**
    - FETU Phase 3 (if applicable)
    - OAR/M&O Support
    - A&E Services Construction Admin Support
    - Inspection
- IV. **ESO will be meeting with the greening partners individually to discuss project specific circumstances**



Elysian Heights Elementary School Edible Garden

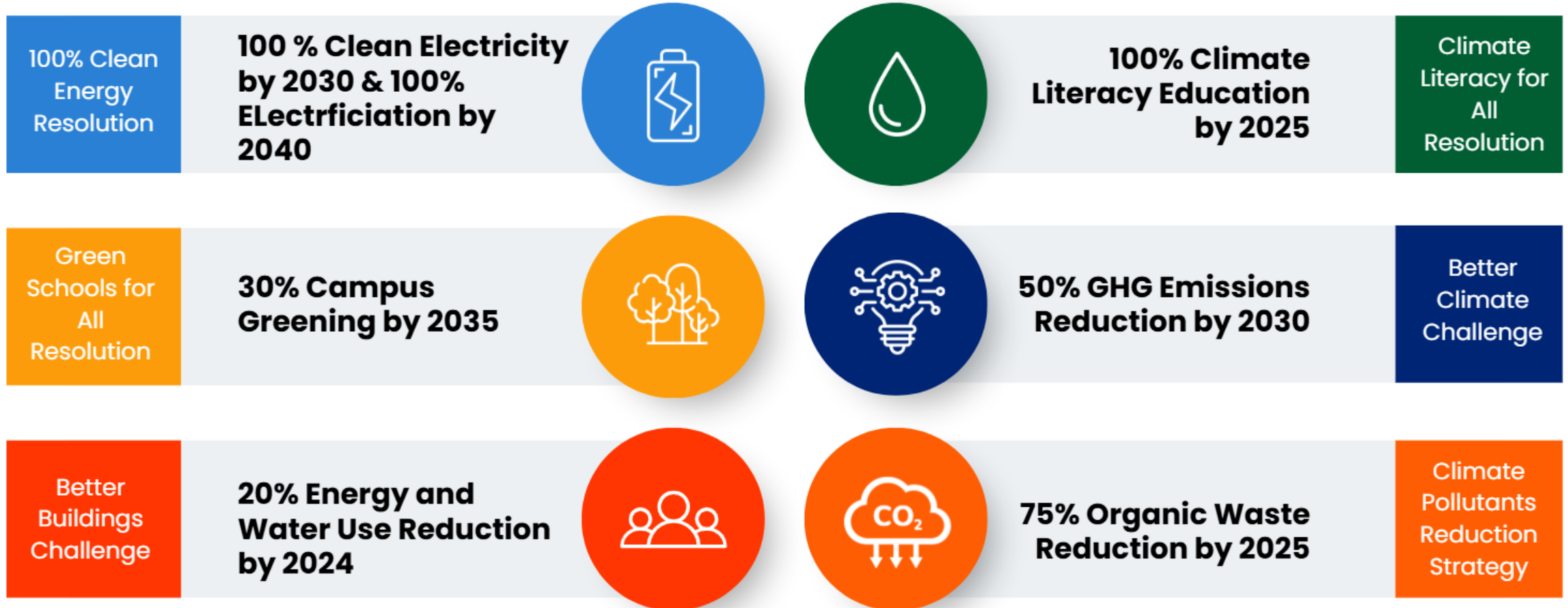
# Eco-Sustainability Plan Overview

- LAUSD's Existing Goals
- Plan Objectives
- Planning Process
- Eco-Sustainability Sectors
- Stakeholder Engagement
- Climate Literacy Framework
- Deliverables





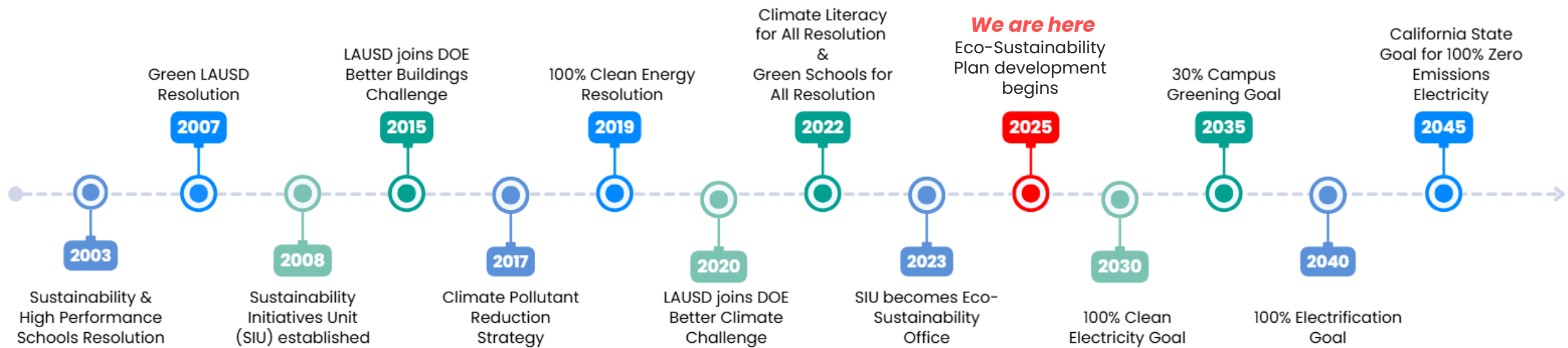
# LAUSD's EXISTING GOALS



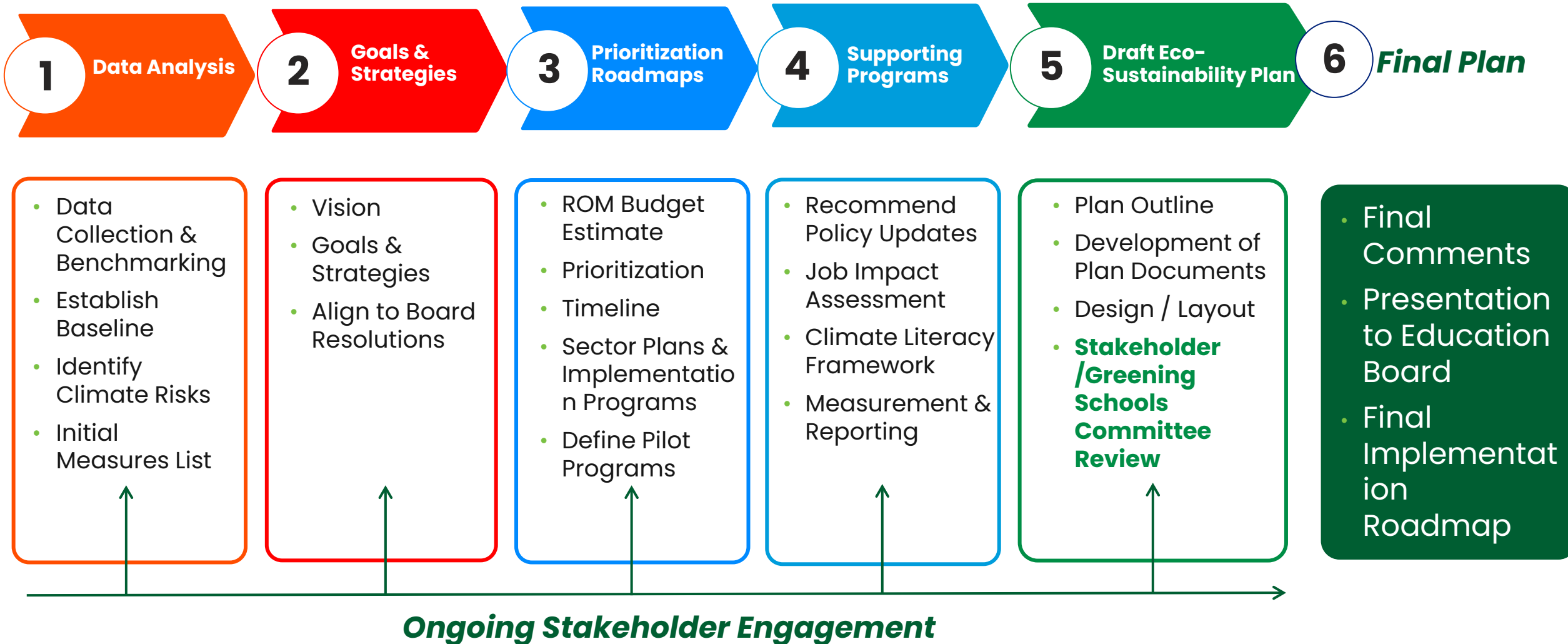


# Plan Objectives

- Build on LAUSD's existing efforts, advance existing policies
- Develop a Plan to achieve existing goals and commitments
- Develop specific Roadmaps to guide implementation



# Planning Process



# Sectors of the Eco-Sustainability Plan



Climate Resilience



GHG Emissions



Decarbonization



Renewable Energy



Air Quality



Energy Conservation



Stormwater/Wastewater



Waste Management



Circular Economy



Clean Transportation



Healthy Food



Habitat Restoration



Education



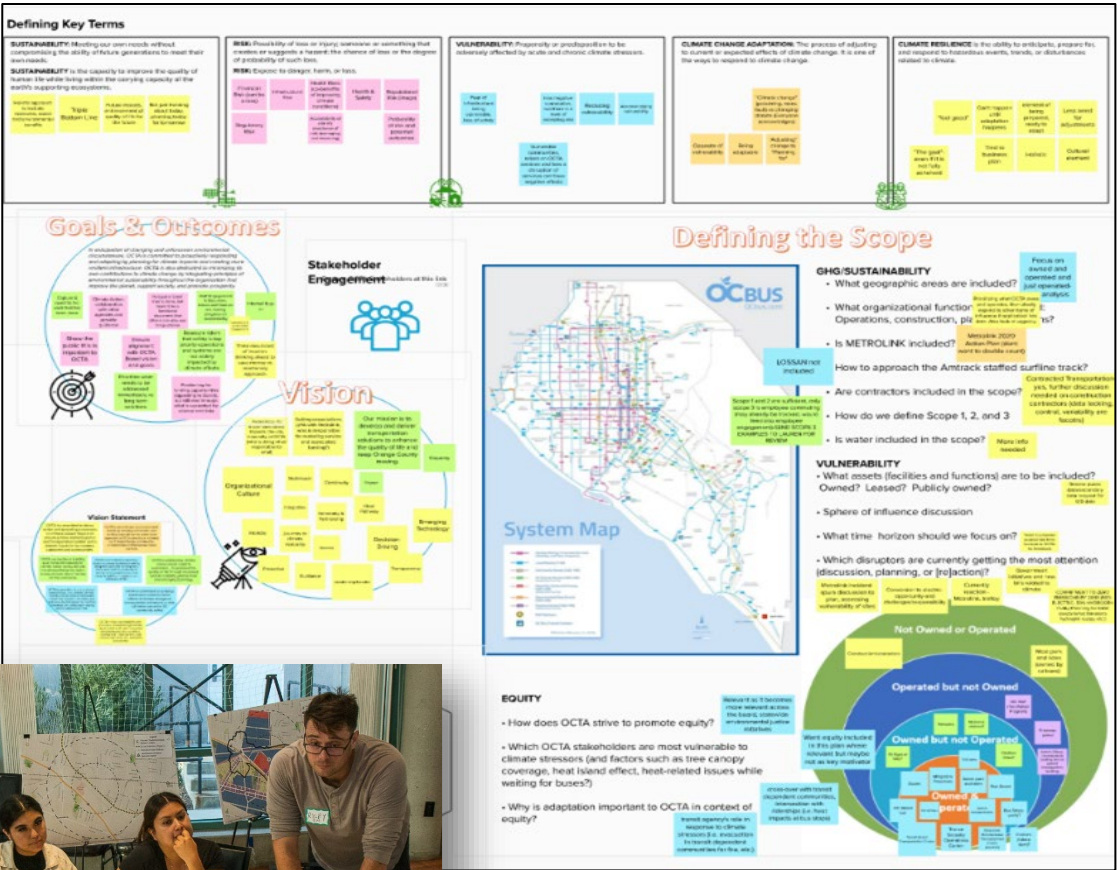
Social Equity & Inclusion

# Stakeholder Engagement Overview



# Engagement Methods

- Digital surveys
- Social media content and websites
- Newsletters
- Town hall meetings
- Large format interactive workshops
- Small group interactive meetings
- Working groups
- Interviews





# Climate Literacy Framework

***The Eco-Sustainability Plan supports LAUSD's core mission of providing education.***

- Align program recommendations to current level of confidence in the topic
- Utilize the Eco-Sustainability Plan process as a learning tool
- Expert industry partners: 10 Strands & USGBC-CA



Sustainability  
Fundamentals  
Workshop



Resources  
for Teachers



Teacher  
Surveys



Online Learning  
Tools



USGBC-CA  
Memberships

# Deliverables Overview

## Eco-Sustainability Plan



Expands existing goals for full coverage of all sustainability sectors

## Project- Specific Roadmaps



Lay out guidance for **how** goals will be achieved, including project-specific costs, timelines and equity co-benefits

## Dashboard & Performance Monitoring



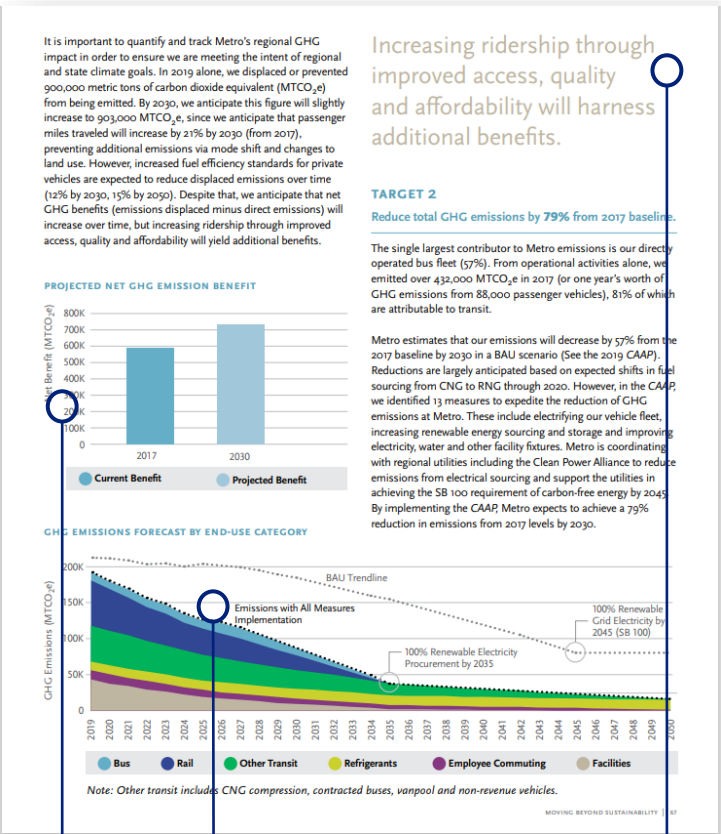
Sets up data management framework for communication of progress and continuous monitoring



# Plan Contents & Design

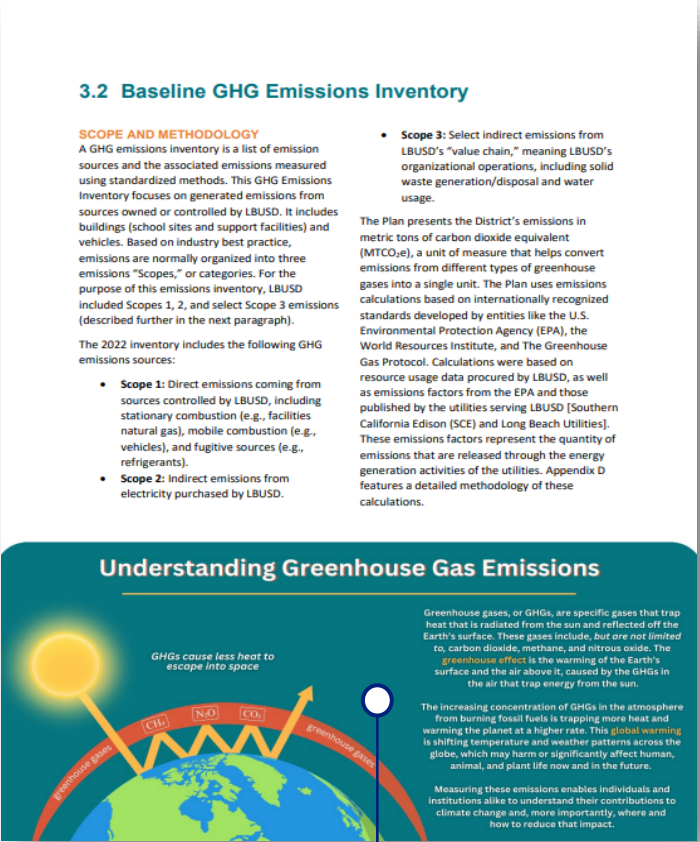
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  - Energy
  - Water
  - Waste
  - Resilience
  - Equity
- VI. Section 5 – Roadmaps & Implementation Strategies
- VII. Section 6 – Measurement, Monitoring, & Reporting
- VIII. Section 7 – Next Steps
- IX. Section 8 – Technical Appendix



Charts and graphs to convey data and analysis

Callouts to highlight key information



Infographics to translate complex concepts



# Framework Sectors for Roadmaps

## CLEAN ENERGY

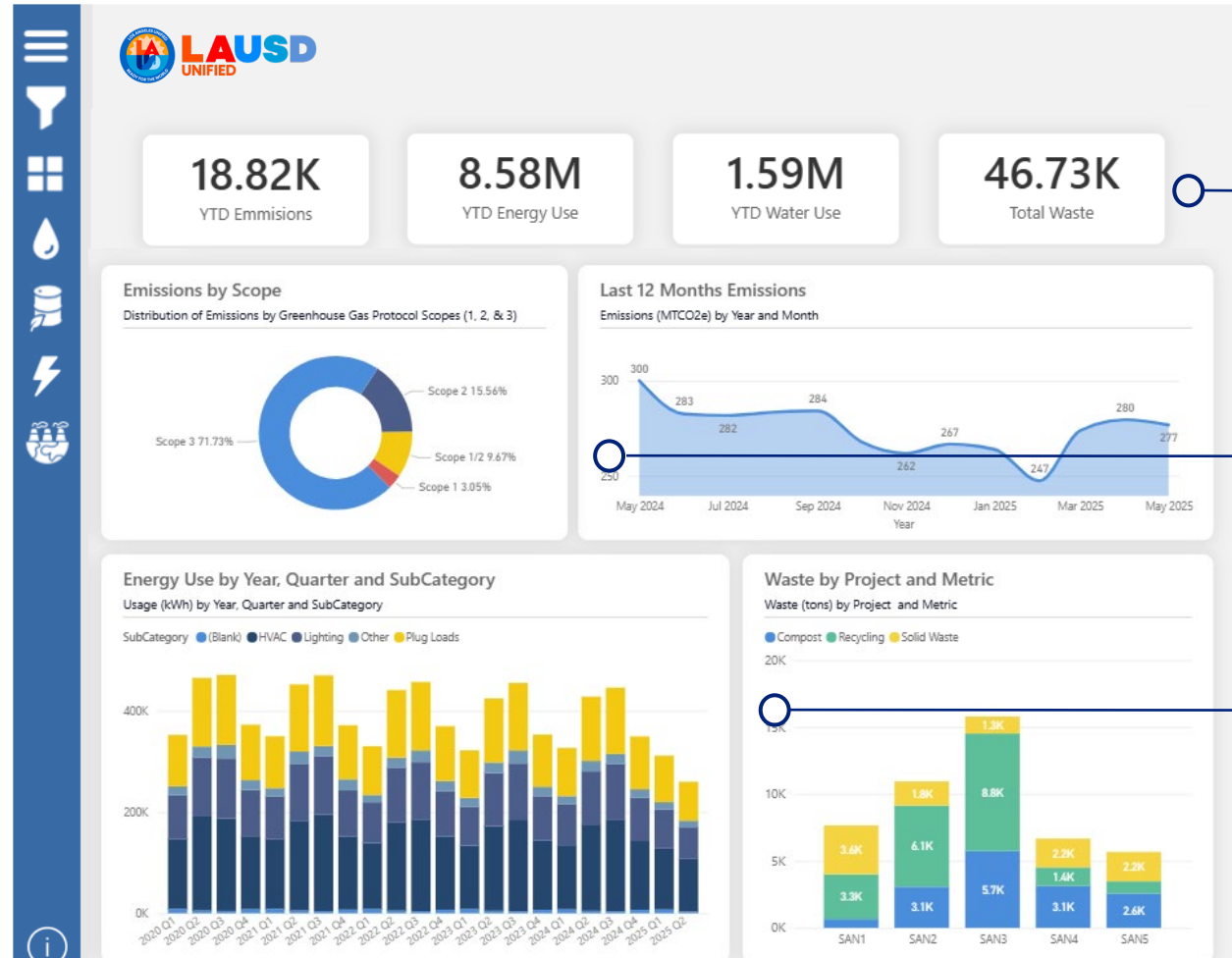
| Goals                                                       | Objectives                                                                                                                   | Year-by-Year Actions                 | Funding Needs                           | Reporting and Data                                                                                     |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>2028</b><br>LACI Going for Gold (LA28)                   | <b>1</b><br>Establish roadmaps to achieve 2030 and 2040 goals                                                                | <b>2026</b><br>Action 1              | <b>2026</b><br>\$                       | <b>2026</b><br>Publish sustainability progress metrics + 2030 Gap Analysis                             |
|                                                             | <b>2</b><br>Electrify the yellow fleet                                                                                       | <b>2027</b><br>Action 2,3,4          | <b>2027</b> (can this accelerate)<br>\$ | <b>2027</b><br>Energy and renewable project investigation and scoping PH1                              |
| <b>2030</b><br>100% Clean Energy<br>50% Emissions Reduction | <b>3</b><br>Expand photovoltaic electricity generation                                                                       | <b>2028</b><br>Action 5              | <b>2028</b><br>\$                       |                                                                                                        |
|                                                             | <b>4</b><br>Implement clean power agreements with utilities where feasible                                                   | <b>2029</b><br>Action 6, 7           | <b>2029</b><br>\$                       |                                                                                                        |
|                                                             | <b>5</b><br>Strengthen high performance schools guidelines for new construction                                              | <b>2030</b><br>Action 8, 9, 10, 11   | <b>2030</b><br>\$                       | <b>2029</b><br>Integrate Eco-sustainability data to IT Cloud platform                                  |
|                                                             | <b>6</b><br>Implement energy conservations measures to reduce energy use and greenhouse gas emissions at existing facilities | <b>2031</b><br>Action 12             | <b>2031</b><br>\$                       |                                                                                                        |
|                                                             | <b>7</b><br>Electrify building operations including all HVAC equipment                                                       | <b>2032</b><br>Action 13             | <b>2032</b><br>\$                       |                                                                                                        |
| <b>2040</b><br>100% Electrification                         | <b>8</b><br>Electrify the white fleet                                                                                        | <b>2033</b><br>Action 14, 15, 16     | <b>2033</b><br>\$                       | <b>2031</b><br>Publish 2030 Clean Energy Achievement Report                                            |
|                                                             | <b>9</b><br>Electrify the food service facilities and equipment                                                              | <b>2034</b><br>Action 17, 18, 19, 20 | <b>2034</b><br>\$                       | <b>2031</b><br>Energy and renewable project investigation and scoping PH2 + 2035 Gap Analysis/Strategy |
|                                                             |                                                                                                                              | <b>2035</b><br>Action 21             | <b>2035</b><br>\$                       |                                                                                                        |
|                                                             |                                                                                                                              | <b>2036</b><br>Action 22, 23, 24     | <b>2036</b><br>\$                       |                                                                                                        |
|                                                             |                                                                                                                              | <b>2037</b><br>Action 25, 26, 27, 28 | <b>2037</b><br>\$                       |                                                                                                        |
|                                                             |                                                                                                                              | <b>2038</b><br>Action 29, 30         | <b>2038</b><br>\$                       | <b>2036</b><br>2040 Gap Analysis/Strategy                                                              |
|                                                             |                                                                                                                              | <b>2039</b><br>Action 31, 32, 33     | <b>2039</b><br>\$                       |                                                                                                        |
|                                                             |                                                                                                                              | <b>2040</b><br>Action 34             | <b>2040</b><br>\$                       | <b>2041</b><br>Publish 2040 Electrification Achievement Report                                         |

- Integrated roadmaps create alignment between overarching goals, specific **year-by-year actions** and funding needs
- Critical path dependencies identify risks to long-term goals and provide opportunities for mitigation strategies



# Sample Dashboard

- Will be supported by a robust **data management** infrastructure
- Will serve to **monitor progress** and communicate success
- Will be **tailored to LAUSD's audiences** (both internal and external)
- Will serve as an educational tool student-facing dashboard for use in classroom



Tracks KPIs and progress against goals

Shares data related to GHG emissions

Provides additional detail on sector data (waste, water, energy etc.)



# Thank You



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[lausd.org/eso](http://lausd.org/eso)

