

ECO- SUSTAINABILITY OFFICE

Greening Schools and Climate Resilience Committee Meeting

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

November 14, 2024





Agenda

Greening Project Updates

- **Green Schoolyard Improvement Program (ELOP)**
- **CALFire Grant Funded Projects**
- **Climate Literacy**

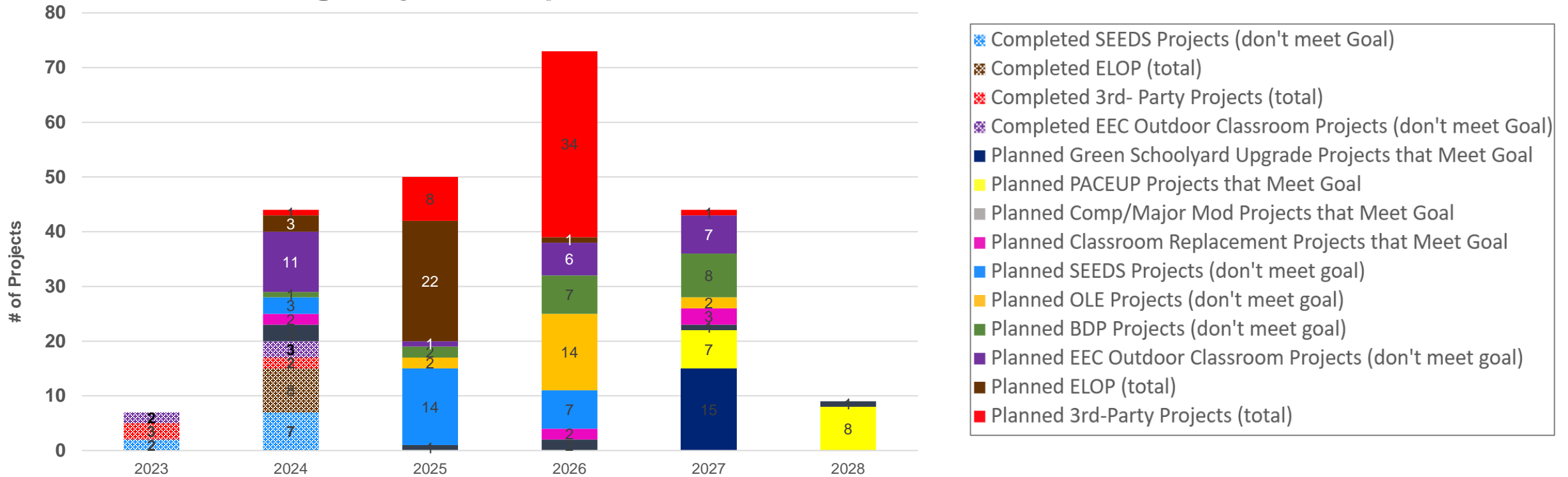


El Sereno Planting Day



Greening Projects Update

Greening Project Completion Tracker



Approximately 40 projects per year need to be completed to meet our 2035 target of 30% greening.

In 2024, 44 greening projects will be completed (bringing us closer to the 30% greening target)



Green Schoolyard Improvement Program



Russel ES – ELOP

34 ELOP Greening Sites

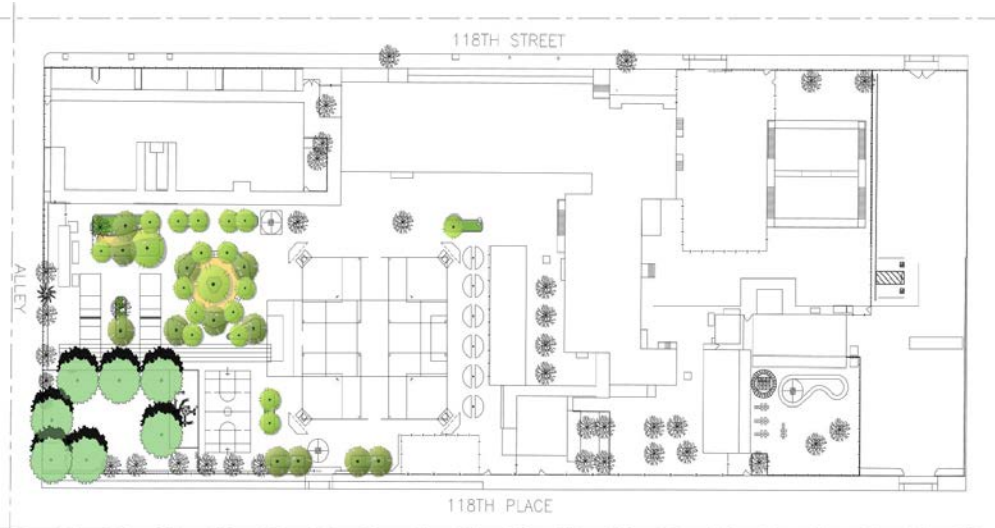
- **Completed 10 ELOP Greening projects**
(+ Belvedere ES in construction)
 - 118th St ES
 - Wilton Place ES
 - Hamasaki ES
 - Capistrano ES
 - Russell ES
 - Coldwater Canyon ES
 - Griffith Joyner ES
 - Stoner Avenue ES
 - 109th St. ES
 - Marianna ES
- **21 projects ready for construction**
- **2 projects in design**

The ELOP Program will add approximately 836 trees and replace over 500,000 square feet of asphalt with green spaces at LAUSD campuses!



Green Schoolyard Improvement Program

118th Street Elementary School



SCOPE:

- Replaced asphalt areas with permeable surfaces. Installed native plants, trees, and irrigation
- Developed nature-based areas with trees, boulders and decomposed granite

Construction start date: February 2024

Completion date: October 2024

Project area size: 5,984 SF

Project Budget: \$929,315

Cost per SF: \$155

Asphalt removed: 5,984 SF

Area of landscaping: 3,897 SF (mulch and plants)

Number of trees planted: 40



Before



After



Before



After



Green Schoolyard Improvement Program

Wilton Elementary School



SCOPE:

- Replaced asphalt areas with permeable surfaces. Installed native plants, trees, and irrigation
- Developed nature-based areas with trees, boulders and decomposed granite

Construction start date: February 2024

Completion date: June 2024

Project area size: 5,756 SF

Project Budget: \$1,089,484

Cost per SF: \$189

Asphalt removed: 4,132 SF

Area of landscaping: 3,049 SF (mulch and plants)

Number of trees planted: 22



Before



After



Before



After



Green Schoolyard Improvement Program

Marianna Elementary School



SCOPE:

- Replaced asphalt areas with permeable surfaces. Installed native plants, trees, grass field, and irrigation
- Developed nature-based areas with trees, boulders and decomposed granite

Construction start date: February 2024

Completion date: November 2024

Project area size: 11,842 SF

Project Budget: \$1,141,074

Cost per SF: \$96

Asphalt removed: 11,274 SF

Area of landscaping: 3,640 SF (mulch and plants) + 7,149 (turf)

Number of trees planted: 22



Before



After



Before

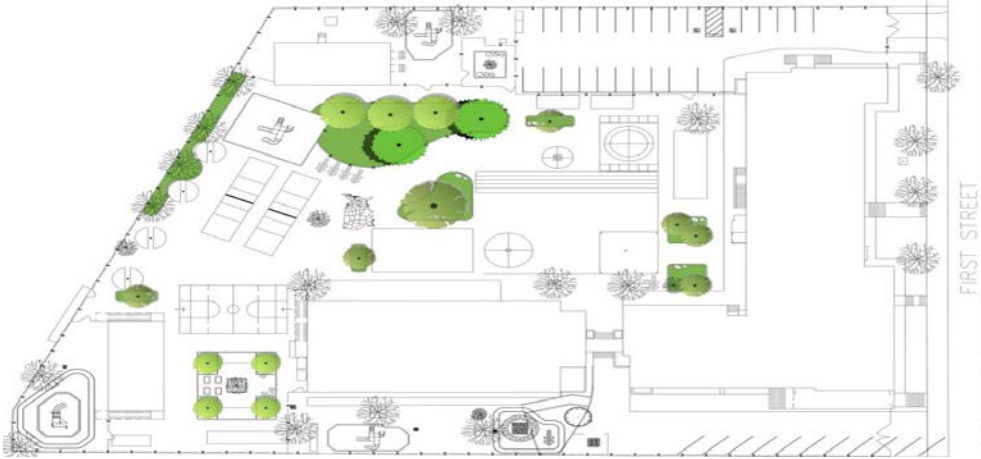


After



Green Schoolyard Improvement Program

Hamasaki Elementary School



SCOPE:

- Replaced asphalt areas with permeable surfaces. Installed native plants, trees, grass field, and irrigation
- Developed nature-based areas with trees, boulders and decomposed granite

Construction start date: February 2024

Completion date: November 2024

Project area size: 6,403 SF

Project Budget: \$994,271

Cost per SF: \$155

Asphalt removed: 6,403 SF

Area of landscaping: 2,883 SF (mulch and plants) + 3,001 (turf)

Number of trees planted: 15



Before



After



Before

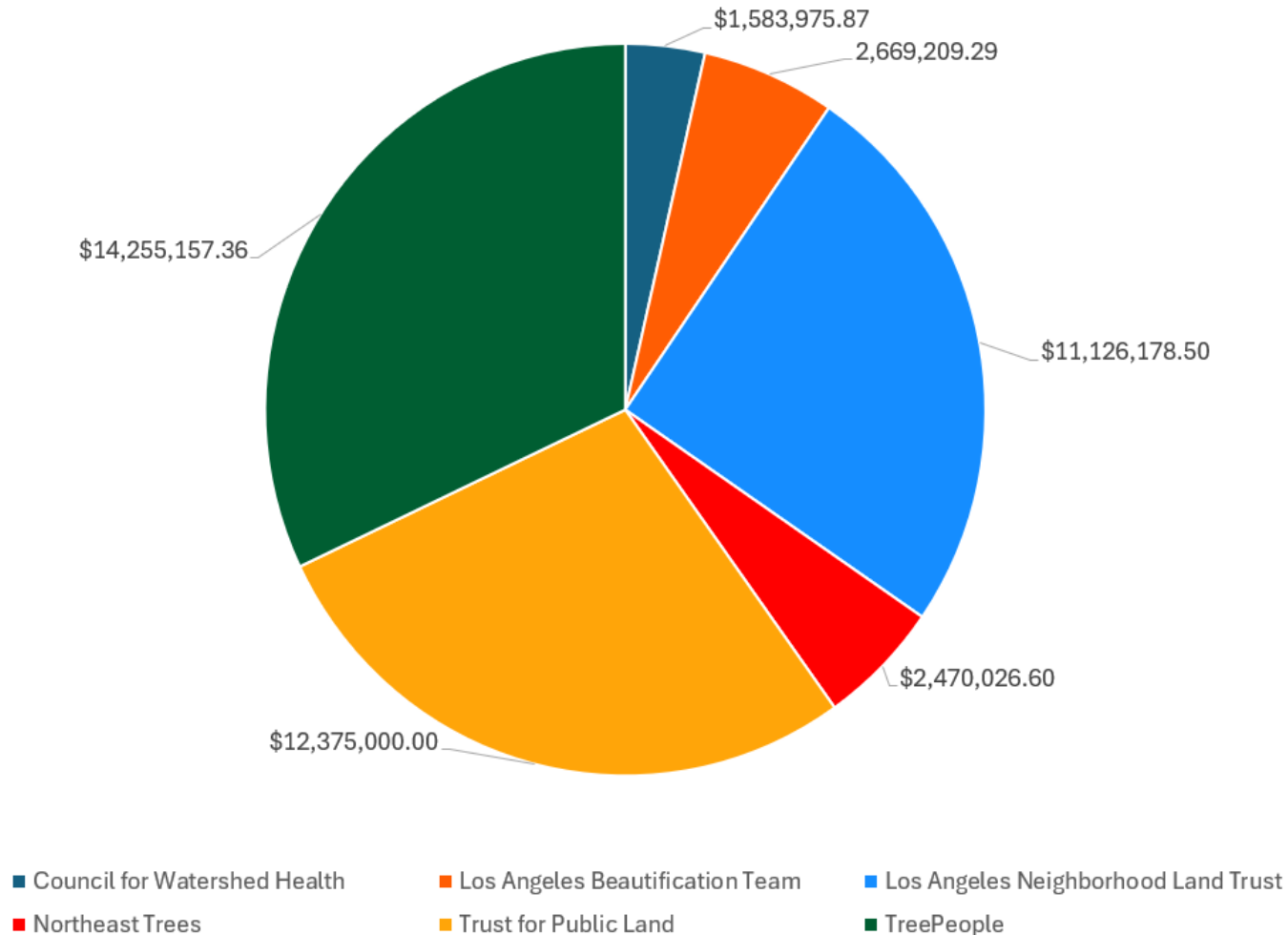


After



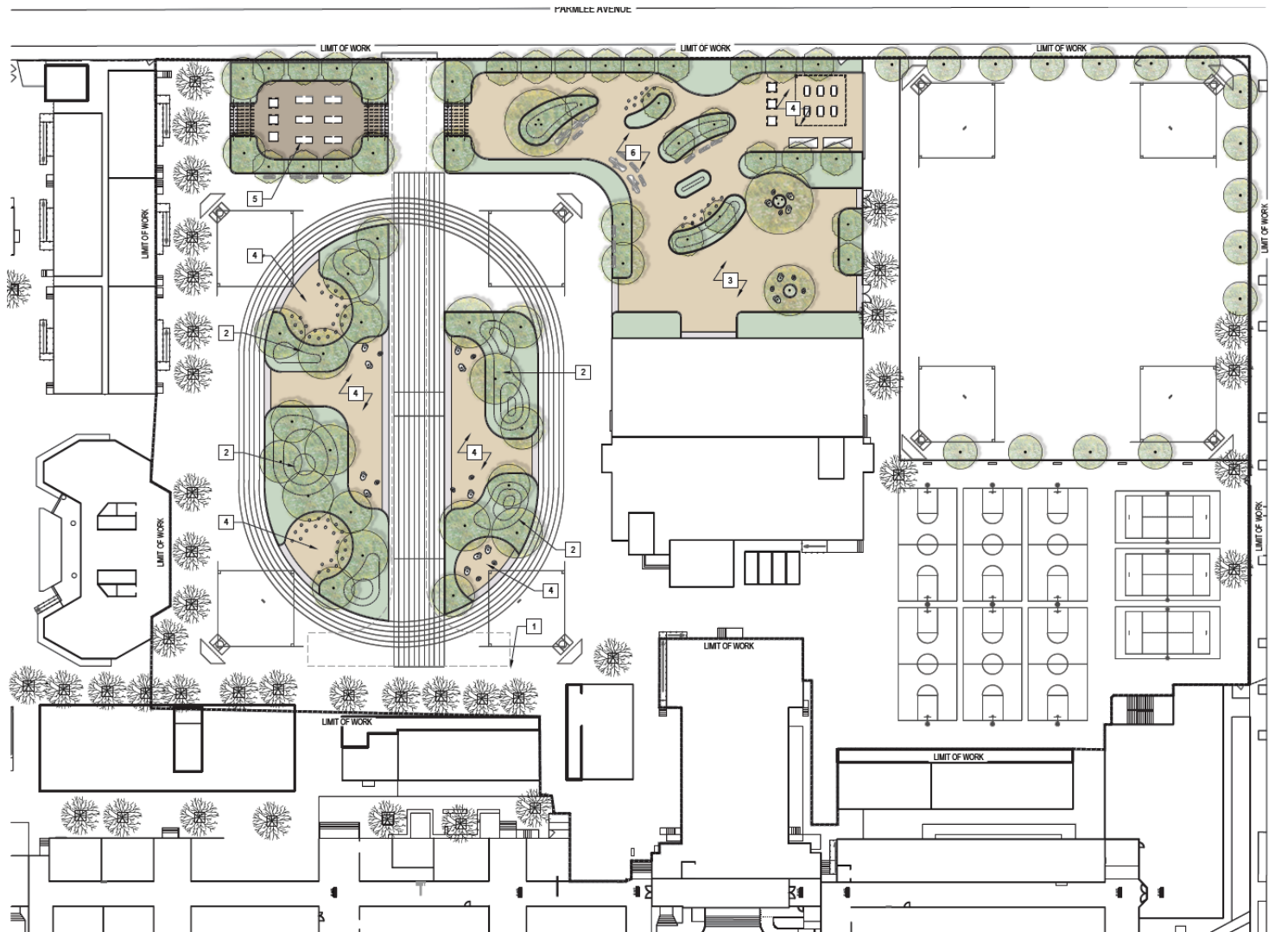
CALFire 3rd Party Greening Projects

3rd Party Partners Budget for Projects



- **41 greening projects supported by CalFire grants led by third party partners:**
 - Council for Watershed Health
 - Northeast Trees
 - Los Angeles Beautification Team
 - Trust for Public Land
 - Los Angeles Neighborhood Land Trust
 - TreePeople
- **Total CALFire grants: \$44,479,548**
- **8 Projects are funded for Planning**
- **34 Projects are funded for planning and implementation**
- **Potential for 4 additional planning and implementation projects**
- **Project status: design phase**

CALFire 3rd Party Greening Projects



- **Grant-funded planning project led by Council for Watershed Health (CWH)**
- **Scope of work:**
 - Removal of 62,014 SF asphalt
 - Planting of 73 trees
 - Habitat garden with low water use native plants and mulch
 - Creating "living schoolyards" for nature-based play
 - Planning grant award \$198,000

Conceptual Greening Plan for Edison Middle School

CALFire 3rd Party Greening Projects

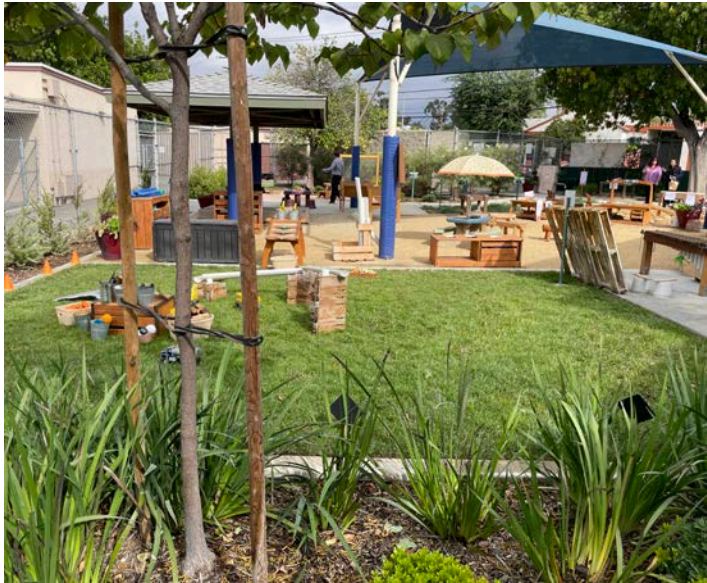


Conceptual Greening Plan for Haddon Elementary School

- **Grant-funded planning and implementation project at Haddon ES led by Hollywood/Los Angeles Beautification Team (LABT)**
- **Scope of work:**
 - Removal of 20,739 SF of asphalt
 - Planting of 42 trees
 - Habitat garden with low water use native plants and mulch
 - Creating "living schoolyards" for nature-based play
 - Grant award \$726,088



Telfair EEC Ribbon Cutting Event



- New Nature Explorer Outdoor Classroom at Telfair Early Education Center
- Construction began April 2023
- Completed October 2024
- Total budget: \$4,817,007
- The outdoor classroom features multiple learning stations, including areas for nature art, planting, gathering, and materials storage.
- Other upgrades included Additional improvements include new HVAC units, roofing, fire alarm upgrades, resurfaced 915 sq. ft. parking area, upgraded restrooms, and a new drinking water station.



LAUSD Greening Achievements



Wilton ES – ELOP June 2024

Greening Projects

The Green Schoolyard Improvement Program will:

- **Add 836 trees**
- **Replace over 500,000 square feet of asphalt with green spaces at LAUSD campuses**
 - **10 ELOP Greening projects completed** (+ 1 in construction)
 - Total Trees Planted: 194
 - Total asphalt removed: 80,980 SF
 - Total Greening area: 89,091 SF

The CALFire 3rd Party Greening Projects include:

- 8 Projects funded for planning
- 34 projects funded for planning and implementation
- Implementation projects projected to be completed March 2026



Climate Literacy Updates



ESO Summer Interns analyzing garden at Glenfeliz Blvd. EL

Climate Literacy Task Force

- Draft Recommendations Report in progress by members
- Recommendations will follow the outline below:
 - a. 2022 Climate Literacy Board Resolution
 - Curriculum
 - Outdoor Education
 - Resource Repository
 - Community Input
 - b. 2023 LAUSD-United Teachers Los Angeles (UTLA) MOU
 - Workforce Development
 - Infrastructure
 - Transportation
 - Partnerships
- Climate Literacy Repository on  schoology® currently has 1,555 educators



Climate Literacy Updates



Maywood Elementary School Heroes



Sunland Elementary School Heroes



Education & Awareness

HEROES for Zero Contest

- 66 schools registered & kicked off
- Energy Dashboard available for schools to access their electricity use data
- Schoology Course has 80 teachers
- Energy Portfolio created by ESO for student teams

EmPowered Schools Program

- 65 Participating Schools

Additional 2024–2025 Programs

- **The Broad Museum – Social Forest Exhibit** & 7–12 grade curriculum around local Indigenous history and the importance of conservation
- **SoCalGas LivingWise Kits** – Water and energy conservation kits and curriculum for middle schools
- **Aeroponics Tower Garden Pilot & Green Bronx Machine Curriculum** kicked off at 8 schools

Thank You!



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