

**BOARD OF EDUCATION OF THE CITY OF LOS ANGELES
GOVERNING BOARD OF THE LOS ANGELES UNIFIED SCHOOL DISTRICT**

GREENING SCHOOLS & CLIMATE RESILIENCE COMMITTEE

333 South Beaudry Avenue, Board Room

4:00 p.m., Wednesday, April 19, 2023

Committee Members

Dr. Rocio Rivas, Chairperson
Mr. Nick Melvoin, Board Member
Ms. Jackie Goldberg, Board Member

District Members

Mr. Mark Hovatter, Chief Facilities Executive

Board Secretariat Contact

Channa Scott
Tel: (213) 241-7002
Email: channa.scott@lausd.net

External Representatives

Bevin Ashenmiller, Occidental College
Lucy Garcia, Climate Reality Project Los Angeles
Hector Huezo, Jobs to Move America (JMA) / Los Angeles County Electric Truck & Bus Coalition
Tori Kjer, Los Angeles Neighborhood Land Trust
Claire Latane, Cal Poly Pomona
Aleigh Lewis, Angelenos 4 Green Schools
Alicia Morales Pérez, Los Angeles Alliance for a New Economy (LAANE)
Mikaela Randolph, Heal the Bay
Nico Gardner Serna, Sunrise Movement LA
Katie Theel, DSA, Green New Deal for Public Schools

Method for Accessing the Meeting and Providing Public Comment

There are three ways members of the public may access this Committee Meeting: (1) online ([Granicus stream](#) or join the [zoom webinar](#)), (2) by telephone by calling 1-888-475-4499 (Toll Free) and entering the Meeting ID: **815 1855 9131**, or (3) in person. Please note that due to the continued public health risks associated with COVID-19, the Board Room will be operating at reduced capacity.

The Board of Education encourages public comment on the items on this agenda and all other items related to the District. Any individual wishing to address the Board must register to speak using the Speaker Sign Up website: <https://boardmeeting.lausd.net/speakers>, and indicate whether comments will be provided over the phone or in person. Registration will open 24 hours before the meeting. A maximum of 15 speakers may sign up for general Public Comment. Each speaker will be allowed a single opportunity to provide comments to the Committee.

Speakers who do not register online to provide comments may use the following alternative methods to provide comments to Board Members:

- Email all Board Members at boardmembers@lausd.net;
- Mail comments via US Mail to 333 S. Beaudry Ave., Los Angeles, CA 90017; and
- Leave a voicemail message at (213) 443-4472, or fax (213) 241-8953. Communications received by 5 p.m. the day before the meeting will be distributed to all Board Members.

Speakers registered to provide public comments over the phone need to follow these instructions:

1. Call 1-888-475-4499 (Toll Free) and enter Meeting ID: **815 1855 9131** at the beginning of the meeting.
2. Press #, and then # again when prompted for the Participant ID.
3. Remain on hold until it is your turn to speak.
4. Call in from the same phone number entered on the Speaker Sign Up website. If you call in from a private or blocked phone number, we will be unable to identify you.
5. When you receive the signal that your phone has been removed from hold and/or unmuted, please press *6 (Star 6) to be brought into the meeting.

Please contact the Board Secretariat at 213-241-7002 if you have any questions.

AGENDA

- I. Land Acknowledgement.....** Dr. Rocio Rivas
Chairperson
- II. Welcome and Opening Remarks**Dr. Rocio Rivas
Chairperson
- III. Public Comment**
- IV. Follow up from Prior Meetings**
- a. Progress on School Bus Electrification Items
- V. Presentation**
1. Schoolyard Greening Mr. Mark Hovatter
Chief Facilities Executive
- VI. Committee Discussion**
- VII. Closing Remarks**
- VIII. Adjournment**

Requests for disability related modifications or accommodations shall be made 24 hours prior to the meeting to the Board Secretariat by calling (213) 241-7002.

Materials related to an item on this agenda distributed to the Board of Education are available for public inspection at the Security Desk on the first floor of the Administrative Headquarters, and at:
<https://achieve.lausd.net/site/Default.aspx?PageID=18628&DomainID=1057#calendar73805/20230315/event/68534>

TAB 1



LAUSD
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Green Schools for All Board Resolution: Plan Update

**Greening Schools & Climate
Resilience Committee Meeting**

April 19, 2023



Introduction

The “Green Schools for All” resolution (Resolution) was adopted by the Board of Education on September 27, 2022.

The goal of the Resolution is for school campuses across the District to include 30% green/natural schoolyards.

The Resolution directs the Superintendent to develop a plan to achieve this goal by 2035 and identify funding.



Executive Summary

- Utilizing the Greening Index, school sites can be categorized into levels of need.
- 634 Schools including Early Education Centers, Primary Centers, Elementary, Middle and High Schools do not meet the greening goal of 30%.
- Approximately 15 million square feet (350 acres) of paved schoolyard areas need to be upgraded to green/natural schoolyards.
- Overall anticipated cost is approximately \$4 billion.
- Additional funds necessary to support ongoing maintenance costs.



What is Greening?

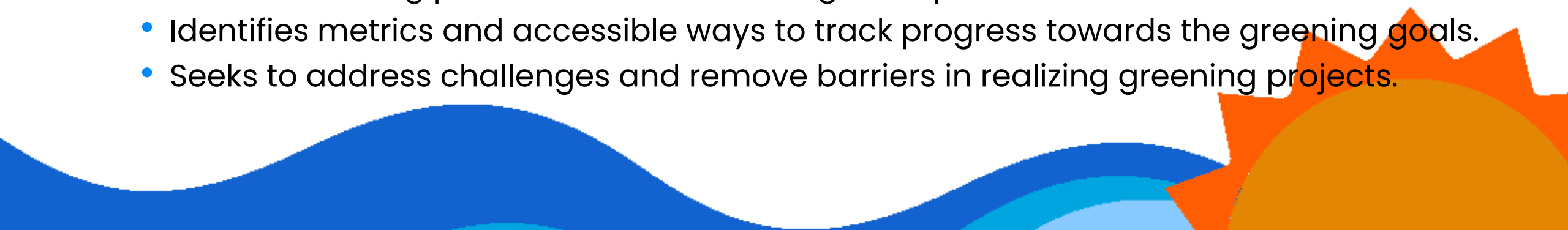
Greening schoolyards transforms asphalt-covered spaces into green spaces with elements that include:

- New grass fields.
- Replacing paved surfaces with permeable surfaces that incorporate native/drought tolerant planting areas.
- Installation of trees.
- Creation of school gardens.
- Installation of naturescapes and other natural features for passive and active play.
- Other sustainable features that reduce the heat island effect.



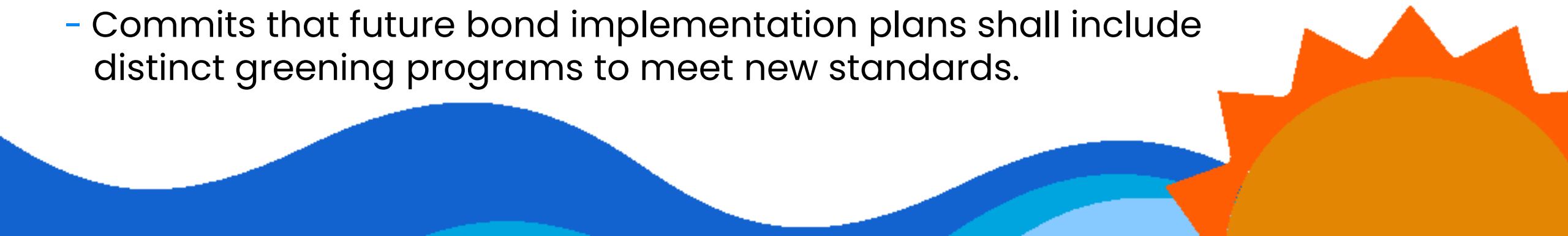
Green Schools for All Resolution

- Adopts the Standard of 30% Green Space for All District Schools
- Directs Superintendent to:
 1. Develop a Plan to convert 30% of existing hard-scape schoolyards into green space at all schools by 2035 that:
 - Includes an analysis of how current projects will help meet this standard.
 - Prioritizes schools using the Greening Index, and consider CalEnviro & Climate Justice Tool.
 - Prioritizes EEC, PC, and ES, with focus on ES that have 10% or less of green space.
 - Develop Plan in collaboration w/ environmental experts, community-based partners, educators, students, families.
 - Includes staffing plan for maintenance of green spaces.
 - Identifies metrics and accessible ways to track progress towards the greening goals.
 - Seeks to address challenges and remove barriers in realizing greening projects.



Green Schools for All Resolution

2. Identify funding for projects to achieve the goals of the Plan by 2035, including Bond, General Fund, and grants.
 3. Ensure proper staffing and resources are allocated to identify and apply for non-District funds and grants.
 4. Deepen partnerships with City and County to expand the Community School Parks program.
 5. Have Office of Government Relations ensure that adequate funding for greening is part of the District's advocacy efforts.
- Facility projects that impact paving include greening to ensure progress towards meeting new standards.
 - Commits that future bond implementation plans shall include distinct greening programs to meet new standards.



Growing to 30%: Greening Plan Progress





Ongoing Greening Bond Investments



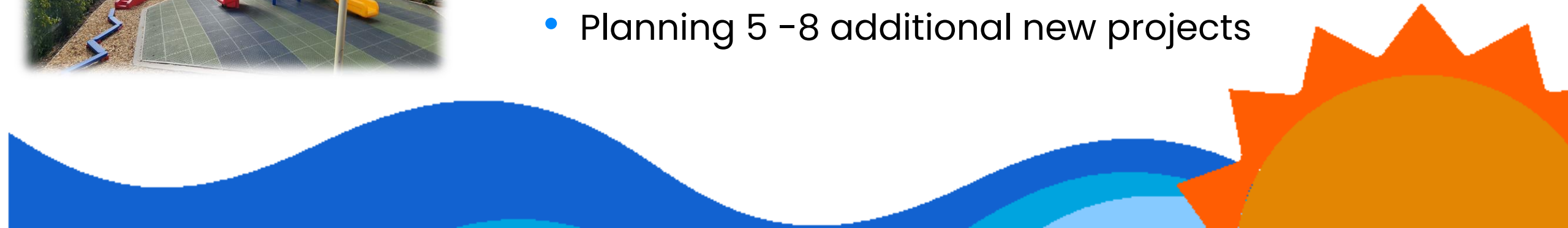
SEEDS (Sustainable Environment Enhancing Developments for Schools)

- 90 projects across the District ~ \$5.6 million
 - 69 completed and 21 underway
- Planning 30 additional new projects



Early Education Center Outdoor Classrooms

- 40 projects across the District ~ \$113 million
 - 12 completed and 28 underway
- Planning 5 -8 additional new projects

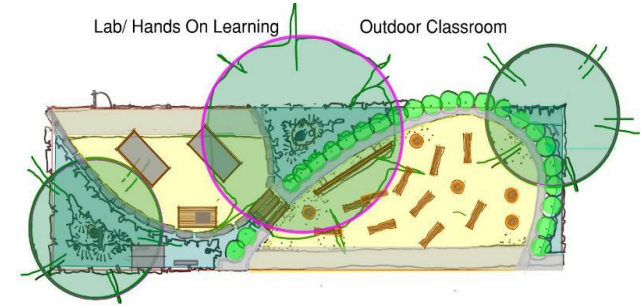


Ongoing Greening Bond Investments



Outdoor Learning Environment (OLE) Projects

- \$50 million for sites with greatest need and excess portables
- 9 projects underway ~ \$21.2 million
- Planning up-to 11 additional new projects

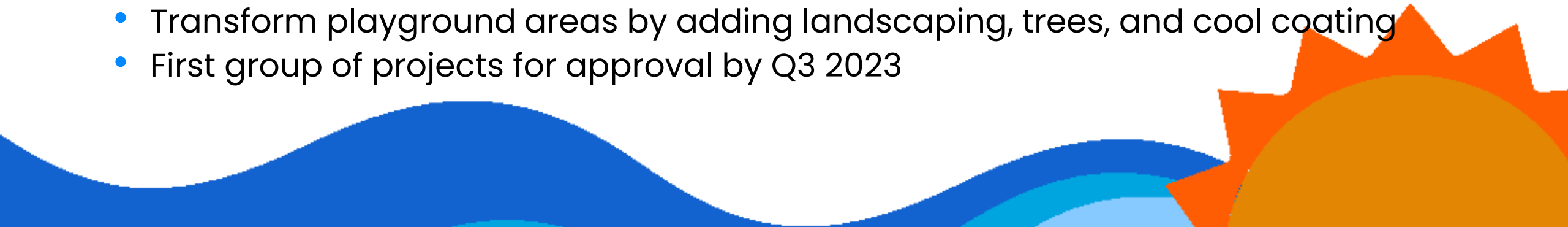


Paving Replacement Projects

- 29 Projects Across The District ~ \$181 million
- Goal to increase green space by 30%, with stormwater capture

Playground and Campus Exterior Upgrades (“Paving Plus”)

- \$300 million at elementary schools with the worst paving conditions
- Transform playground areas by adding landscaping, trees, and cool coating
- First group of projects for approval by Q3 2023



Project Greening Analysis

For Projects Currently Underway that include Schoolyards

- Elementary Schools:
Majority of projects yielded 22–30% green schoolyards.
- Middle Schools and High Schools:
Greening increased but the 30% goal was typically already reached by play fields.



Programs Incorporating 30% Goal

8-12 Classroom Replacement Projects

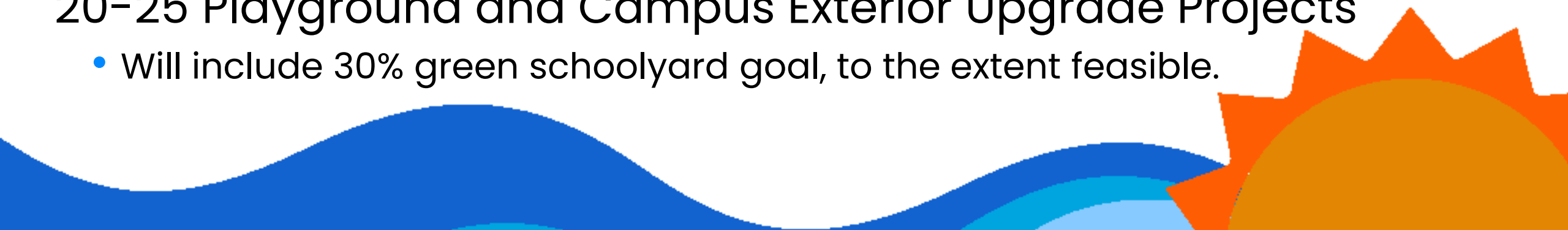
- Will meet the 30% green schoolyard goal or significantly increase the green/natural schoolyard when completed.

7 Major Modernization Projects

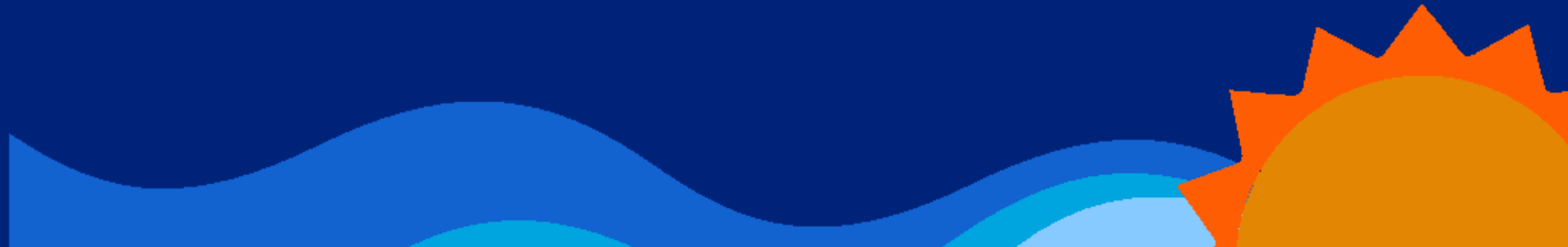
- Elementary School Project (49th Street ES) will meet or exceed 30% green schoolyard goal.
- 6 Secondary Schools will meet or exceed 30% schoolyard goal when completed, inclusive of playfields.

20-25 Playground and Campus Exterior Upgrade Projects

- Will include 30% green schoolyard goal, to the extent feasible.



Prioritizing Schools with the Greatest Need



How Many Schools Require Greening?



634 Schools do not meet the greening goal of 30%.

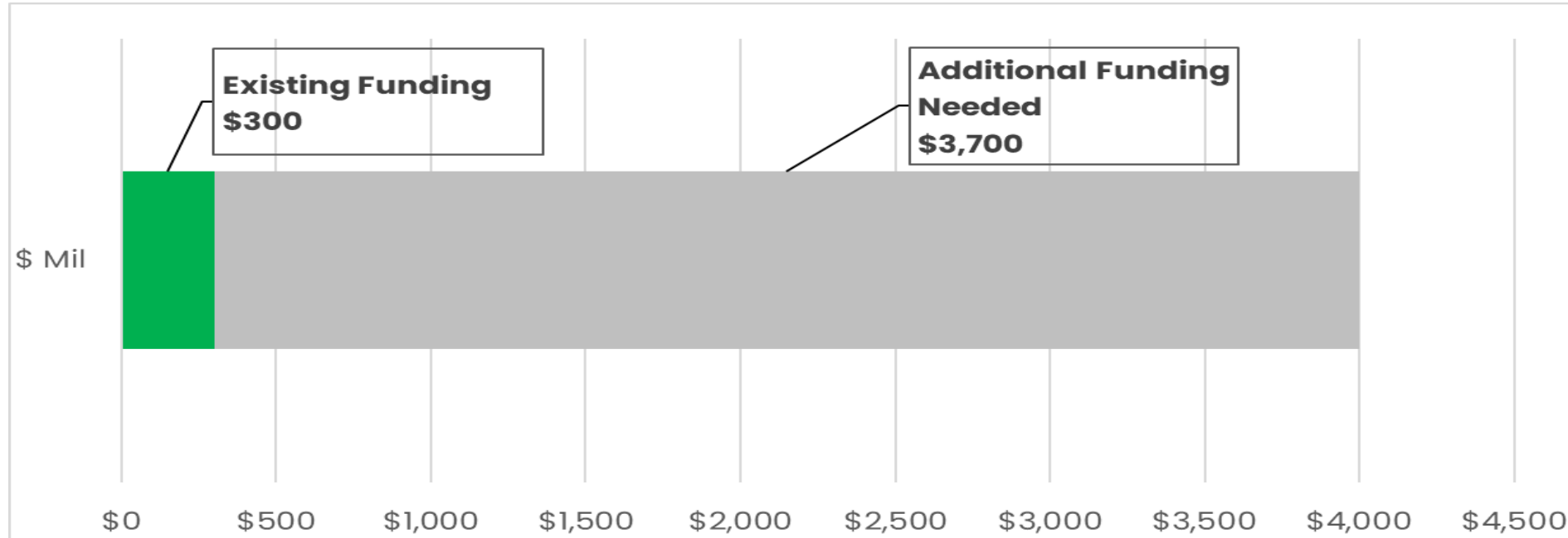
Approximately 15 million sq. ft., 350 acres, of paved schoolyard areas need to be upgraded to green space (equivalent of 265 football fields).

SCHOOL TYPE	QUANTITY	AVERAGE TARGET GREENING (30%) REQ'D PER SITE (SF)	TOTAL GREENING RECOMMENDED (SF)
Early Education Centers	68	1,000 (0.02 Acres)	68,000 (1.5 Acres)
Primary Centers	16	1,000 (0.02 Acres)	16,000 (0.5 Acres)
Elementary Schools	458	32,000 (0.73 Acres)	14,656,000 (337 Acres)
Middle Schools	24	8,000 (0.18 Acres)	192,000 (4.5 Acres)
High Schools	68	4,000 (0.09 Acres)	272,000 (6.5 Acres)
TOTAL	634	23,981 (0.55 Acres)	15,204,000 (350 Acres)

Funding Needed to Meet 30% Goal

To provide 15 million square feet of greening over the next 12 years is estimated to cost approximately \$4 Billion, adjusted for inflation.

Greening For All Funding Summary (\$ in Millions)



Prioritizing Highest Need Schools



Highest priority is EEC, PC and Elementary Schools with less than 10% green schoolyards.

Approximately 220 schools are within this category.

Preliminary assessment indicates ~\$1.5 billion needed to meet 2035 goal for 220 schools.

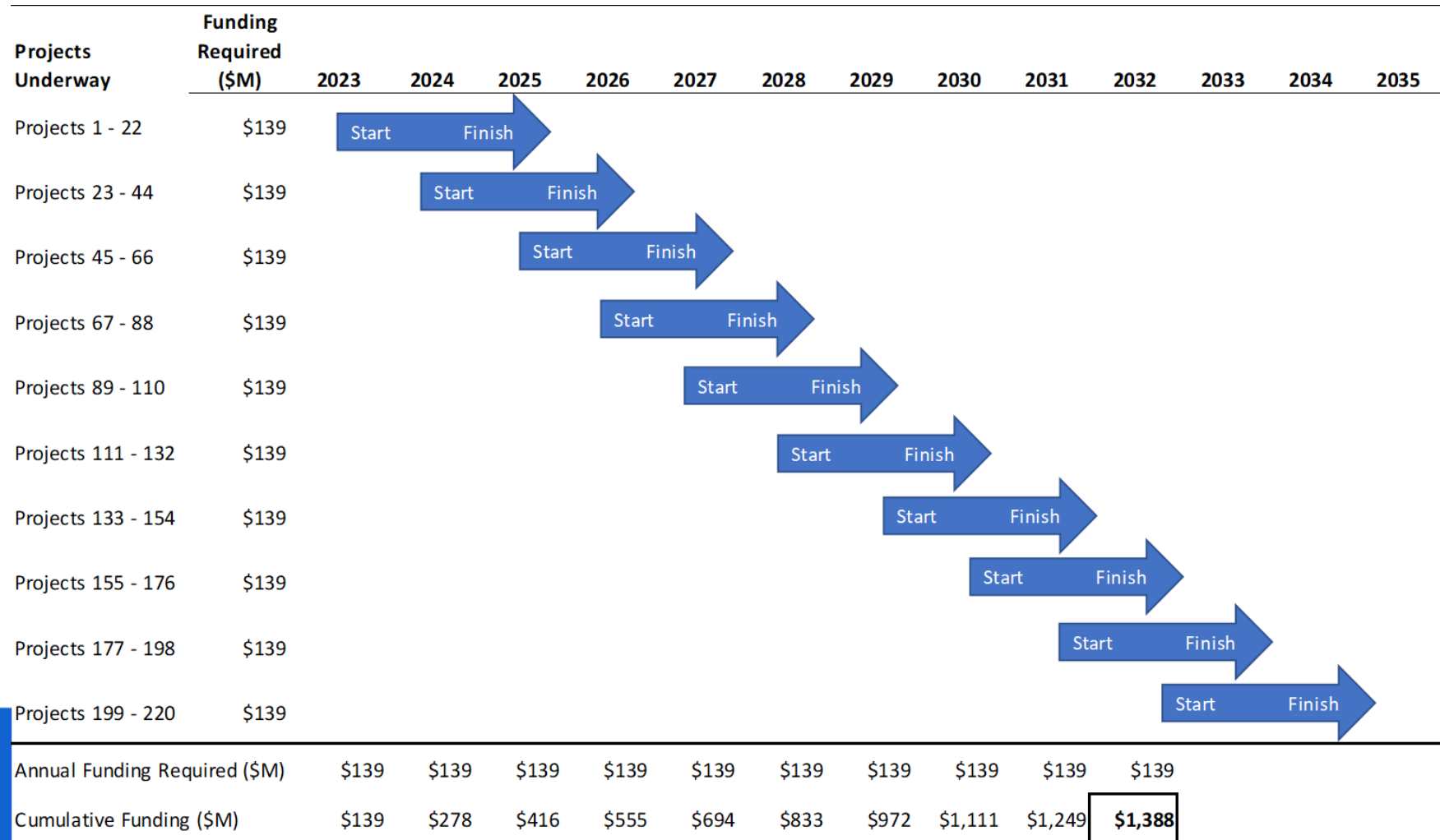


Prioritizing Highest Need Schools

Starting in 2023:

- Allocate ~\$130 Million per year for next 10 years

- Initiate 22 Projects per year for next 10 years



Staff for Maintaining Greenspace

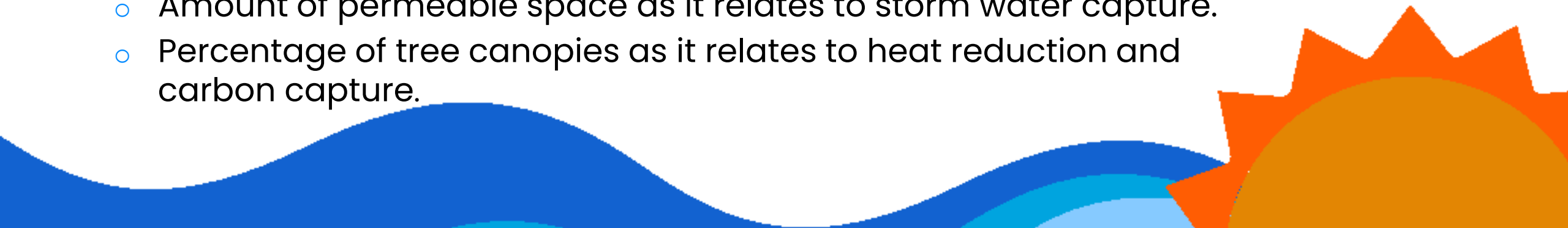
Preliminary analysis shows the District would need approximately \$10 million annually to maintain an additional 15 Million square feet of greenspace.

- Cost includes labor, materials and equipment in today's dollars, not adjusted for inflation.
- Analysis based on current LAUSD maintenance practices.
- Additional funding required for replacement of plantings, irrigation systems, broken or damaged benches, damaged hard and soft scape, etc.



Measuring and Tracking Progress

- Pervious areas are tracked in facilities information databases and compared to the inventory of hardscape spaces to determine a ratio.
- Site Portal database is being updated:
 - Field verification of the existing extent of greening at each school site.
 - Automatic updated metrics including planned and completed projects.
 - Location and size of existing trees.
- Greening Improvements Tracking Index to analyze and report on the various sustainability-related benefits associated with greening schoolyards, including:
 - Amount of permeable space as it relates to storm water capture.
 - Percentage of tree canopies as it relates to heat reduction and carbon capture.



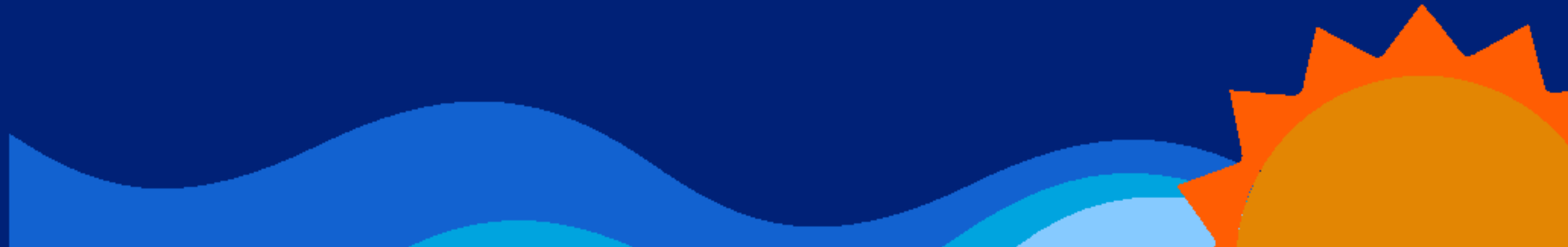
Addressing Challenges – Removing Barriers



- Implementation Resources
 - Funding to meet goal far exceeds resources.
 - Staffing required to manage projects requires substantial increase to maintain existing workflows and support new efforts.
 - External resources including architects, engineers, contractors, surveyors, environmental experts, etc. will also be required.
- Physical Constraints of Small Sites
 - On smaller school sites, providing access and other requirements restricts the amount of school yards that can be transformed to green space.
 - Update maintenance processes and training to accommodate the transition to green schoolyards.



Identification of Funds



Funding

Bond Funds:

- Existing Bond Funds:
 - Greening priorities are incorporated in the School Upgrade Program as part of improvements applied to various project types.
 - Reallocate Funds from Existing Bond-funded Programs and Projects.
- Future Bond measures – Identify green schoolyards as a priority.

Potential Non-Bond Fund Sources:

- Expanded Learning Opportunities Funds (ELOP) and other options under review.



Grants and Partnerships



Applications underway for CAL FIRE Green Schoolyards Grants Program.

- \$117M available state-wide.
- Local Educational Agencies can apply for \$30M max.
- Work must be completed by March 30, 2026.
- Several non-profit partners also applying for grants.

LAUSD Greening Grant Pursuits

Grant & funding opportunities offered by public agencies for greening projects.

California Natural Resources Agency (CNRA) Urban Greening Grant & Environmental Enhancement Mitigation Programs

- <https://files.resources.ca.gov/grants>



Ocean Protection Council (OPC)

- <https://www.opc.ca.gov/category/fundingopportunities/>



CAL FIRE

- <https://www.fire.ca.gov/grants/>



The Safe Clean Water Program (SCW Program)

- <https://safecleanwaterla.org/>



Advocacy Efforts

The Office of Government Relations continues to advocate for adequate funding for greening on schoolyards in the state budget, and through grants and bonds that can be used locally to support climate reliance and the mitigation of extreme heat.

- District-sponsored legislation, SB 515 (Stern), would streamline the installation of inexpensive, heat-reducing, shade structures on schoolyards and community colleges.
- Engaged in negotiations with the Legislature to ensure the state's proposed Public Education Facilities Bond Act of 2024 includes dedicated funding for projects to address climate change impacts.

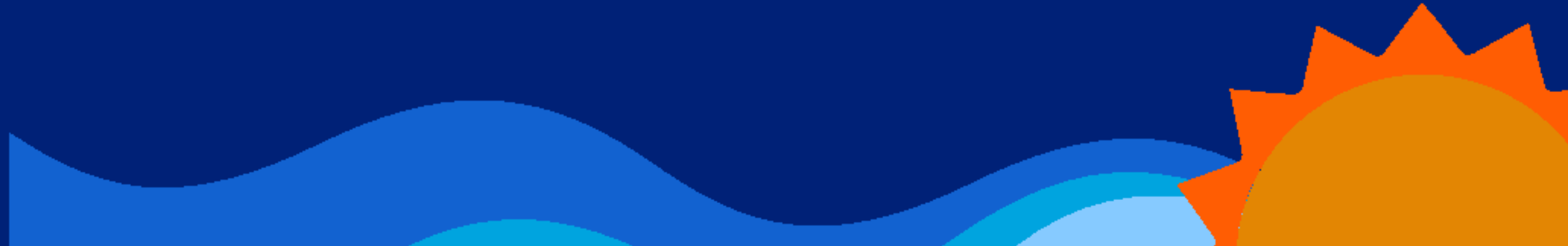


Recommendations

- Target prioritization to EECs and ES with less than 5% Green Score
- Focus on providing shade and landscaped areas that support instructional use, especially at tight urban sites
- Study phased approach of less than <30% to get to more schools
- Include cool coating as a component of green schoolyards
- Include playfields in middle school and high schools in greening index
 - Most middle school and high schools meet the 30% green/natural schoolyards goal



What's Next



Engagement Plan Overview

SPRING 2023 (April – June)

Students, Family, and Community Members

Outreach Activities Community Webinars



Region Virtual Community Webinars

- Use Existing Forums to Promote Participation (Coffee w/ Principal)
- Provide Parent Centers with Bilingual Toolkits
- Blackboard Connect: Text, Phone and E-Mail
- Promote on Social Media

- Overview of Resolution
- Present Draft Plan and Implementation Timeline
- Outline Next Steps
- Obtain & Document Feedback

SUMMER 2023 (July – August)

Community-Based Partners, Environmental Experts

Outreach Activities Greening Forum



Greening Partners Virtual Forum

- Mass E-mail Save-the-Dates
- Mass E-mail Invitations

- Present Draft Plan and Implementation Timeline
- Outline Next Steps
- Obtain & Document Feedback



Project Specific Engagement Plan

**Group of
Projects
Identified**

**Outreach Activities
Community Meetings**

- Parent Centers to Promote Community Meetings
- Blackboard Connect: Text, Phone and E-mail
- Promote on Social Media
- Canvassing Meeting Invitation Within ½ mile Radius of Each School

Community Meetings

*Students, Families, Teachers
School Administrators and
Neighbors*

- Seek Input as Site-Specific Plans are Developed
- Foster Ownership and Learning Opportunities

**Community
Engagement Takes
Place Throughout the
Project Life Cycle**

Planning

Construction

Design



Timeline to Complete Plan

MAY

- Initiate Outreach with Families and Community Members
- Develop Funding Options
- Finalize All Other Aspects of Plan

JUNE

- Continue Outreach with Families
- Initiate Outreach to Experts and Partners
- Finalize Funding Options

JULY

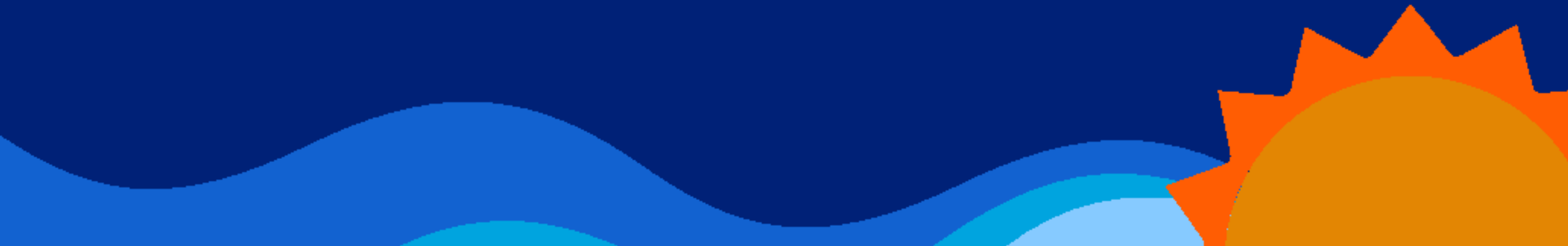
- Continue Outreach to Experts and Partners
- Incorporate Outreach Input to Plan

AUGUST

- Complete Plan and Distribute to Board



Questions and Answers |





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