



2024 County School Facilities Consortium Annual Summit

# DSA Update

09.12.24

Ida A. Clair, FAIA  
State Architect



## Staff in office:

- ✓ Tuesday
- ✓ Wednesday
- ✓ Thursday

## Staff telework:

- ✓ Monday
- ✓ Friday



Photo by [Tim Mossholder](#) on [Unsplash](#)





**State Architect**  
**Ida A. Clair, FAIA, LEED AP BD+C, CASp**

**Deputy to the State Architect**  
**Kurt Cooknick**

**Principal Structural Engineer for Codes and Standards**  
**Diane Gould, SE**

**Principal Architect for Codes and Standards**  
**Eric Driever, AIA, CASp**

**Chief of Administration**  
**Justin Smith**



**DSA**


## DSA Regions


**Oakland Regional Office Manager:**  
Chris Morton, Principal Structural Engineer

**Sacramento Regional Office Manager:**  
Harlan Reymont, Principal Architect

**Los Angeles Regional Office Manager:**  
Douglas Humphrey, Principal Architect

**San Diego Regional Office Manager:**  
Ron LaPlante, Principal Structural Engineer





**DSA**



## Exemption Based on Project Cost



### IR A-22: Construction Projects Exempt from DSA Review

- Exemption threshold raised to \$119,230 for all disciplines
- Exemption Raised to \$268,268 when:
  - ✓ There is no structural work
  - ✓ Project contains no access compliance work
  - ✓ Project contains no work that triggers Path of Travel improvements
  - ✓ Project meets all fire & life safety standards
- Exempt projects must comply with all design, construction and inspection requirements of the CBC
- School District is responsible for compliance with all code requirements
- Exemption is only applicable to alterations to DSA certified structures

- To determine if submission to DSA is required.
- To determine if project is exempt.
- To discuss schedule.
- To discuss code interpretations.
- To discuss new code requirements.



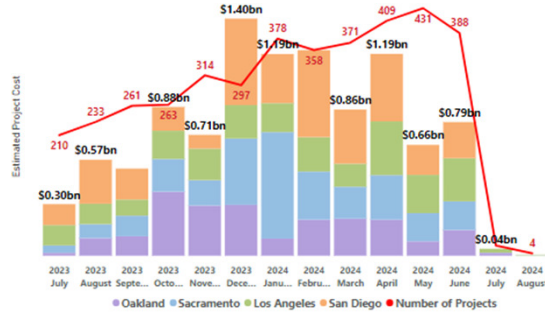
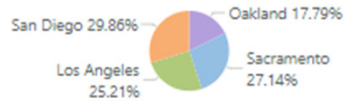
## Free Pre-Application Meetings



## Month to Month Year Review 9/23 to 9/24

Total Project Received <b>3935</b>	Oakland Project Received <b>700</b>	Sacramento Project Received <b>1068</b>	Los Angeles Project Received <b>992</b>	San Diego Project Received <b>1175</b>
Total Project Cost <b>\$10.34bn</b>	Oakland Project Cost <b>\$2.21bn</b>	Sacramento Project Cost <b>\$2.69bn</b>	Los Angeles Project Cost <b>\$2.23bn</b>	San Diego Project Cost <b>\$3.21bn</b>

Project Cost and Received - Origination Region



## Work on our desks: August 2024

MONTH OF		08/01/2024	8/31/2024		
STATEWIDE					
Project Size		Number of Projects	Project Weight	Estimated Project Cost	Cost Weight
\$0	\$50,000	5	3.4%	\$171,112.00	0.0%
\$50,001	\$100,000	11	7.5%	\$902,528.90	0.2%
\$100,001	\$500,000	25	17.1%	\$6,452,007.00	1.1%
\$500,001	\$1,000,000	35	24.0%	\$26,053,279.69	4.4%
\$1,000,001	\$2,500,000	25	17.1%	\$43,696,600.00	7.4%
\$2,500,001	\$5,000,000	18	12.3%	\$66,843,239.36	11.3%
\$5,000,001	\$7,500,000	4	2.7%	\$22,760,400.00	3.8%
\$7,500,001	\$10,000,000	12	8.2%	\$106,902,437.00	18.0%
\$10,000,001	\$12,500,000	3	2.1%	\$34,631,283.00	5.8%
\$12,500,001	\$15,000,000	1	0.7%	\$14,000,000.00	2.4%
\$15,000,001	\$17,500,000	1	0.7%	\$16,800,000.00	2.8%
\$17,500,001	\$20,000,000	0	0.0%	\$0.00	0.0%
\$20,000,001	\$22,500,000	0	0.0%	\$0.00	0.0%
\$22,500,001	\$25,000,000	1	0.7%	\$22,676,921.00	3.8%
\$25,000,001	\$35,000,000	2	1.4%	\$61,645,000.00	10.4%
\$35,000,001	\$50,000,000	1	0.7%	\$40,000,000.00	6.8%
\$50,000,001	and larger	2	1.4%	\$128,988,100.00	21.8%
TOTALS		146	100.0%	\$592,522,907.95	100.0%
MONTHLY TOTALS					
OAKLAND		29	19.9%	\$139,171,702.00	23.5%
SACRAMENTO		31	21.2%	\$117,683,181.29	19.9%
LOS ANGELES		53	36.3%	\$257,401,752.76	43.4%
SAN DIEGO		33	22.6%	\$78,266,241.90	13.2%
TOTAL		146	100.0%	\$592,522,907.95	100.0%







## Intended Submittals: September 2024

CURRENT MONTH SCHEDULED APPOINTMENTS					
MONTH OF		09/01/2024		9/30/2024	
STATEWIDE					
Project Size		Number of Projects	Project Weight	Estimated Project Cost	Cost Weight
\$0	\$50,000	10	5.4%	\$373,000.76	0.0%
\$50,001	\$100,000	11	5.9%	\$886,322.00	0.1%
\$100,001	\$500,000	50	27.0%	\$14,114,994.42	1.7%
\$500,001	\$1,000,000	25	13.5%	\$18,385,544.68	2.2%
\$1,000,001	\$2,500,000	36	19.5%	\$54,881,269.81	6.7%
\$2,500,001	\$5,000,000	19	10.3%	\$67,482,898.00	8.2%
\$5,000,001	\$7,500,000	8	4.3%	\$49,584,529.00	6.0%
\$7,500,001	\$10,000,000	1	0.5%	\$7,548,000.00	0.9%
\$10,000,001	\$12,500,000	6	3.2%	\$68,500,000.00	8.4%
\$12,500,001	\$15,000,000	5	2.7%	\$67,472,000.00	8.2%
\$15,000,001	\$17,500,000	4	2.2%	\$64,773,876.00	7.9%
\$17,500,001	\$20,000,000	3	1.6%	\$58,000,000.00	7.1%
\$20,000,001	\$22,500,000	1	0.5%	\$21,590,000.00	2.6%
\$22,500,001	\$25,000,000	0	0.0%	\$0.00	0.0%
\$25,000,001	\$35,000,000	2	1.1%	\$57,000,000.00	7.0%
\$35,000,001	\$50,000,000	1	0.5%	\$36,000,000.00	4.4%
\$50,000,001	and larger	3	1.6%	\$233,314,900.00	28.5%
TOTALS		185	100.0%	\$819,907,334.67	100.0%

MONTHLY TOTALS				
OAKLAND	52	28.1%	\$339,233,372.58	41.4%
SACRAMENTO	33	17.8%	\$181,423,786.00	22.1%
LOS ANGELES	38	20.5%	\$185,665,330.33	22.6%
SAN DIEGO	62	33.5%	\$113,584,845.76	13.9%
TOTAL	185	100.0%	\$819,907,334.67	100.0%



## Request for Plan Sets

Per the Public Records Act, DSA will fulfill requests for plan sets and drawings only to authorized district personnel.

*"Effective May 13, 2024, project record sets (plans or drawings) are exempt from disclosure for requests made under the PRA and DSA will no longer be providing plan sets to the public. These records are exempted by Government Code section 7922. Please direct all requests for plan sets to the appropriate school district of the entity for which the plan sets are associated with and owned by."*

*When you reach out to the district, please instruct the facilities manager to submit a request by sending an email to [dsahqarchives@dgs.ca.gov](mailto:dsahqarchives@dgs.ca.gov). Our office will verify them and place them on an approved point of contact list. We will then provide the district with the plans/drawings."*



## 2024 New Laws: Shade Structures

SB 515 (Stern): Shade Structures  
Chapter 489, Statutes of 2023  
Adds EDC 17671.

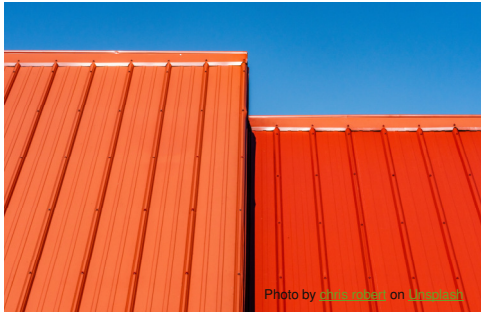


Photo by [Jill Stank on Unsplash](#)

Applies to:

- Only to freestanding, open-sided DSA pre-approved shade structures.
- Path of travel improvements limited to 20% of adjusted construction cost.
- Accessible route to shade structure is required and part of project cost and not considered a path of travel improvement.
- Meet with DSA early for application of new law to projects.



## 2024 New Laws: Nonfunctional Turf

AB 1572 (Friedman):  
Potable Water: Nonfunctional turf  
Chapter 849, Statutes of 2023  
Adds Water Code Chapter 2.5

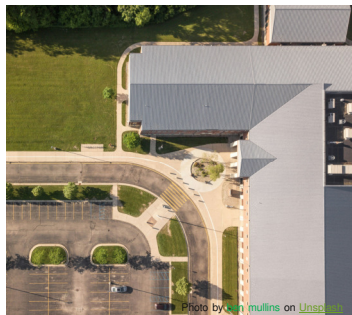


Photo by [John Mullins on Unsplash](#)

- Defines nonfunctional turf as:  
*Any turf that is not functional turf, and includes turf located within street rights of way and parking lots.*
- Defines functional turf as:  
*Ground cover surface of turf located in a recreational use area or community space. Turf enclosed by fencing or other barriers to permanently preclude human access for recreation or assembly is not functional turf.*
- Defines recreational use area as:  
*An area designated by a governmental agency to accommodate foot traffic for recreation, either formal or informal, such as sports fields and playgrounds.*
- Prohibits use of potable water for irrigation of nonfunctional turf beginning January 1, 2028.
- Requires state agencies to support the elimination of irrigation of nonfunctional turf with potable water.





## Sustainability Plan Review

### Goals:

- Greater support at pre-application meetings
- Greater compliance of requirements
- Understanding of challenges in implementation

New checklist: [DSA 403-C](#) to be submitted with each project, replaces GL-4.

Intended to be used as a guide for submitting complete documents that incorporate the current CALGreen requirements for DSA adopted mandatory measures.



## Campus Solar PV [PR 23-04](#)

### **DSA** **PR 23-04** PROCEDURE: ALTERNATE MEANS FOR PHOTOVOLTAIC (PV) PANEL REQUIREMENTS: CAMPUS PV SYSTEMS

Division of the State Architect (DSA) documents referenced within this publication are available on the [DSA Forms](#) or [DSA Publications](#) webpages.

#### DISCIPLINE(S)

Regional Intake and Headquarters Sustainability Unit

#### PURPOSE

This procedure is to define the process for the submittal of Community College projects for which DSA has authority. California Energy Code (CEC) regulations requiring Photovoltaic (PV) panels on new construction buildings and is to be used in lieu of Procedure, Materials and Methods of Construction for this process for and the specific information required within 140.10 are requested, based upon the availability of existing systems with surplus power capacity.

### **DSA** **1-AMM-PV**

#### REQUEST FOR ALTERNATE DESIGN, MATERIALS & METHODS OF CONSTRUCTION

This form is used in conjunction with DSA Procedure (PR) 23-04, Alternate Means for Photovoltaic Panel Requirements. Campus Photovoltaic (PV) Systems. Please print or type all information or you may complete online and print for signature. All fields must be completed, attach additional sheets as necessary. This alternate means request is not applicable to Commercial Change Directives (CCDs).

#### 1. PROJECT INFORMATION

Name of Facility	DSA File #
Project Scope	DSA App #
School District	Investment # (if applicable)
School District Mailing Address	
City	State Zip Code

#### 2. CONTACT INFORMATION

A. Facilities Director	
Work Email	Work Phone
B. Firm Architect/Engineer	
Work Email	Work Phone
C. Architect/Engineer Of Record	
Work Email	Work Phone
Electrical Engineer	
Work Email	Work Phone

#### 3. TYPE OF REVIEW REQUESTED

☐ Initial ☐ Least Plan review (if requested after project submittal)

#### 4. PURPOSE OF REVIEW REQUEST

☐ Proposed Alternate Design (submitted to PR 23-04)

Applicable Code(s) and Edition: 2022 California Energy Code

Applicable Code Section(s): 140.10 - Photovoltaic Requirements for Photovoltaic and Battery Storage Systems

5. DESCRIPTION OF EXISTING CONDITION (and additional pages if necessary)



- Existing campus sized solar PV may be used for new construction PV requirements.

- Requires substantiation of power generation through [DSA 1-AMM-PV](#)



## Suite of IRs for Existing Buildings

Cost  
Estimating  
Template



Existing Buildings	
IR EB-1:	Existing Building Regulations Overview: 2022 CAC (PDF) Issued 03/22/23
IR EB-2:	Conversion of Nonconforming Building: 2022 CBC (PDF) Issued 05/01/24
IR EB-3:	Evaluation and Design Criteria Report: 2022 CAC (PDF) Revised 04/04/23
	Evaluation and Design Criteria Report: 2019 CAC (PDF) Revised 03/30/22
IR EB-4:	Rehabilitation Required by Cost: 2022 CAC (PDF) Revised 02/28/24
	Alternative Valuation B Template (XLSX) Issued 02/28/24
	Replacement Value Estimate Template (XLSX) Issued 07/18/24
	Rehabilitation Required by Cost: 2019 CAC (PDF) Revised 03/10/22
IR EB-5:	Rehabilitation Required by Scope: 2022 CAC (PDF) Revised 04/04/23
	Rehabilitation Required by Scope: 2019 CAC (PDF) Issued 03/10/22
IR EB-6:	Voluntary Seismic Upgrade: 2022 CAC (PDF) Issued 03/19/24

- IR EB-1 Existing Building Regulations Overview – issued 03/22/23
- IR EB-2 Conversion of Nonconforming Building – issued 05/01/24
- IR EB-3 Evaluation and Design Criteria Report 2022 – revised 04/04/23
- IR EB-4 Rehabilitation Required by Cost: 2022 CAC - issued 02/28/24
- IR EB-5 Rehabilitation Required by Scope – revised 04/04/23
- IR EB-6 Voluntary Seismic Upgrade – issued 03/19/24



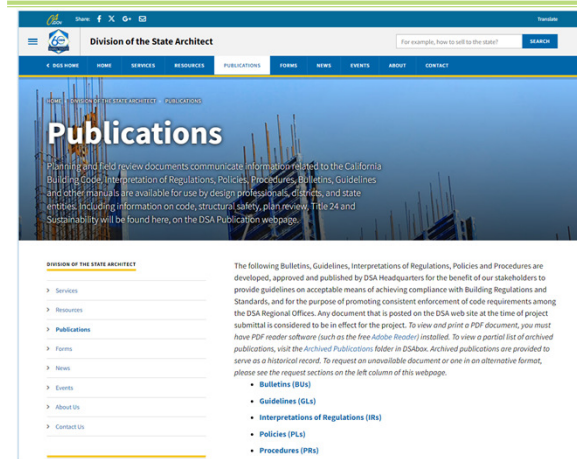
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Masterformat and Uniformat

## Cost Estimate Template

IR EB-4   ALTERNATE VALUATION B REPLACEMENT VALUE ESTIMATE TEMPLATE	
Please see instructions for using and modifying Replacement Value Estimate Template (dependent)	
<b>General Information</b>	
Project Name	
Building Type (current use)	
School Name	
School Type	
Job Address	
City, State	
County	
District	
DSA Region	
DSA Application Number	
Original Application Number	
Today's Date	
Estimate Date	
Construction Duration (Months)	
Construction Type/Structural System	
Document /Estimate Stage	
Design Professional in Charge	
Estimator's Company	

UNIFORMAT SUMMARY		UNIFORMAT		UNIFORMAT	
SECTION	ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL
A	FOUNDATIONS	sq ft			
	BASEMENT CONSTRUCTION	sq ft			
	SLABS ON GRADE	sq ft			
	WATER AND GAS INSTALLATION	sq ft			
B	SUBSTRUCTURE RELATED ACTIVITIES	sq ft			
	SUPERSTRUCTURE	sq ft			
	EXTERIOR VERTICAL ENCLOSURES	sq ft			
	EXTERIOR HORIZONTAL ENCLOSURES	sq ft			
C	INTERIORS	sq ft			
	INTERIOR CONSTRUCTION	sq ft			
	INTERIOR FINISHES	sq ft			
	MECHANICAL	sq ft			
D	MECHANICAL	sq ft			
	PLUMBING	sq ft			
	FIRE PROTECTION	sq ft			
	ELECTRICAL	sq ft			
E	TELEPHONE SAFETY AND SECURITY	sq ft			
	INTEGRATED AUTOMATION	sq ft			
	SERVICES	sq ft			
	EQUIPMENT	sq ft			
F	EQUIPMENT AND FINISHINGS	sq ft			
	SPECIAL CONSTRUCTION AND DEMOLITION	sq ft			
	SPECIAL CONSTRUCTION	sq ft			
	DEMOLITION	sq ft			
G	DEMOLITION	sq ft			
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	DEMOLITION	sq ft			

## New IRs, Bulletins, Procedures, and Forms



- CEBC Bulletin– New! California Existing Building Code application - expected 09/15/24
- IR CG-1 – New! EVCS in New Construction, Alterations, and Additions – 7/24/24
- DSA 1-RUH – update expected 09/15/24
- PR 24-04 – New! Procedure for DSA 1-RUH - expected 09/15/24
- DSA 1-RTI – New! Request for Technical Infeasibility – expected 9/15/24



## 2022 Code Intervening Supplement

### All-Gender Multi-user Restroom Facilities

- Not a requirement but an option.
- Provides an exception to current requirements to provide separate facilities.
- Allows for the replacement of a Urinal with a Toilet (Water Closet).
- Urinals must be in privacy compartment or in a separate space.
- Accessibility requirements for urinal compartments in CBC Chapter 11B.



Effective Date: July 1, 2024



## CALGreen Intervening Supplement

### CO2 Monitoring: Existing Facilities

Requires CO2 monitors in existing K-12 classrooms when a building is modernized.

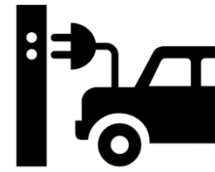
Effective Date: July 1, 2024



### EV Charging: Charging Power Alternative and Existing Facilities

#### New parking facilities:

Requires Level 1, Low Power Level 2 or Level 2, or any combination thereof, providing a minimum total power based on number of parking spaces in a facility.



Created by Luis Prado  
from Noun Project

#### For existing facilities:

Required if installing new light fixtures in existing parking, adding to parking facilities, or installing solar PVs over parking. Requires chargers to be installed in EV capable spaces when a project is submitted to DSA.

Effective Date: July 1, 2024

## CALGreen Intervening Supplement

### Carbon Reduction Regulations Mandatory Measures

50,000 sf aggregate and greater for K-12 schools and community colleges

#### BUILDING REUSE

Reuse existing building, maintain 45% of the existing structure and enclosure.

#### WBLCA

Performance Path- Conduct a cradle-to-grave whole building life cycle assessment demonstrating at 10% reduction in global warming potential (GWP).

#### PRESCRIPTIVE PATH

Comply with product GWP limits established in the BCCA. Based on 175% of IW-EDP GWP values (weighted average alternate available for concrete).

Effective Date: July 1, 2024





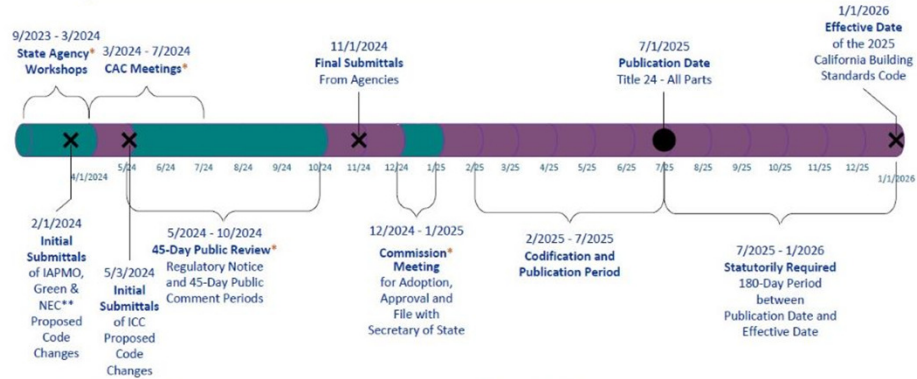
## Building Standards Rulemaking



California Building Standards Commission

2025 California Building Standards Code, Title 24  
Effective January 1, 2026

### 2024 Triennial Code Adoption Cycle



## Building Standards Rulemaking

The screenshot displays the Building Standards Commission website. The main heading is "Code Advisory Committee Meetings". Below this, a navigation bar shows the "2024 Triennial Code Adoption Cycle" with tabs for Pre-Cycle Activities, Code Advisory Committee Review, Public Comment Periods, and Commission Meetings. The "Code Advisory Committee Review" tab is selected, showing a list of meetings:

CODE ADVISORY COMMITTEE MEETINGS	
GREEN — MARCH 18-19, 2024	+
PEME — MARCH 25-26, 2024	+
ACCESS — JUNE 4-5, 2024	+
BFO — JULY 9-11, 2024	+
SDLF — JULY 16-17, 2024	+
HF — JULY 30, 2024	+





## Building Standards Rulemaking

**Building Standards Commission**

45-Day and 15-Day Public Comment Periods

2024 Triennial Code Adoption Cycle

**Public Comment Periods**

2024 Triennial Code Adoption Cycle — Public Comments on proposed building standards that have been reviewed by these Code Advisory Committees:

**ACCESS CAC**

45-Day Public Comment Period: July 26, 2024 - September 9, 2024

**GREEN CAC & PEME CAC**

45-Day Public Comment Period: May 17, 2024 - July 1, 2024  
15-Day Public Comment Period: July 29, 2024 - August 13, 2024

**HF CAC & BFO/SDLF CAC**



## Public School Construction Collaborative (PSCC)

- Offer insight on matters that protect the intent of the Field Act.
- Advise DSA on policy issues.
- Review and comment on proposed legislation or offer insight on adopted legislative changes.
- Review and advise DSA on Interpretations of Regulations at the request of the State Architect.
- Serve as liaison to stakeholder groups.
- Review and comment on the California Building Standards Code at Triennial and Intervening Code Cycles and offer insight on interpretive issues which may arise between code cycles.

**Division of the State Architect**

**Public School Construction Collaborative**

The Public School Construction Collaborative (PSCC) works cooperatively with the Division of the State Architect (DSA) to offer input and feedback on matters related to public school construction.

**CONTACT DSA PSCC COORDINATOR**

Headquarters Office  
Division of the State Architect  
1305 O Street, Suite 100  
Sacramento, CA 95833

**PSCC CHARTER**

**SELECTION OF PSCC MEMBERS**

**BECOME A MEMBER OF THE PSCC**

**PSCC MEMBERS**

**PSCC MEETINGS**

**HISTORY OF PSCC**

Fall 2024 Meeting on  
September 18, 2024





## Collaborations: DSA OPSC CDE



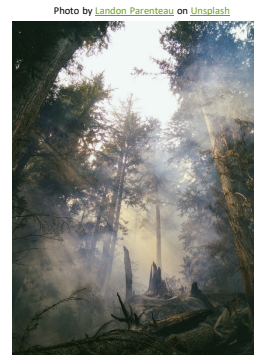
The screenshot shows the Division of the State Architect (DSA) website. The header includes the DSA logo, navigation links (HOME, SERVICES, RESOURCES, PUBLICATIONS, FORMS, NEWS, ABOUT, CONTACT), and a search bar. The main content area is titled "Interagency School Construction Resources" and includes a "CONTACT PANEL" with information for DSA Headquarters and Ida A. Clair. It also features a list of "2022 MEETINGS", "2023 MEETINGS", and "ONGOING GOALS" with expandable sections.

## Tri-Agency Workshops: DSA OPSC CDE



The flyer is titled "STATE AGENCY WORKSHOP: DESIGNING AND CONSTRUCTING SUSTAINABLE FACILITIES AND OUTDOOR SPACES". It features logos for OPSC, DSA, and CAL FIRE. The text describes the workshop's focus on planning for construction and potential funding opportunities. It lists topics to be discussed, including Green Building and Energy Codes and Standards, and mentions that the workshop will include presentations and a Q&A session.

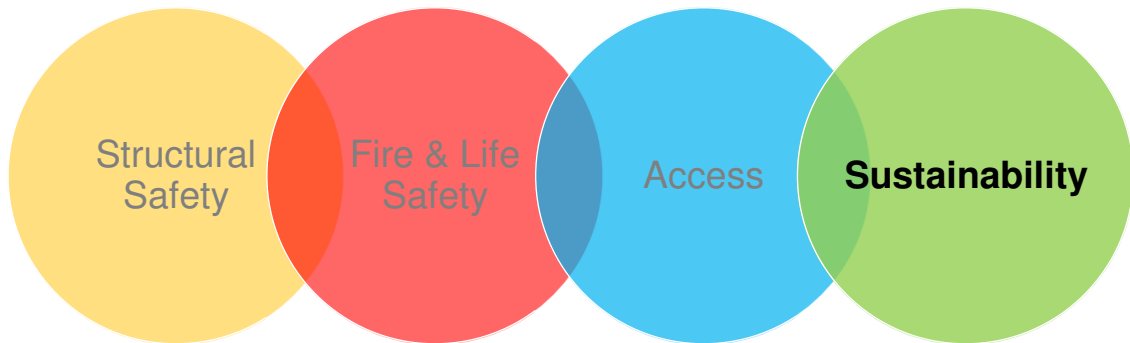
Designing and Constructing Sustainable Facilities and Outdoor Spaces



Planning for and Addressing Natural Disasters: A School Facilities Perspective



TK/K Facility Improvements



## DSA Review Focuses on Safety



*"We are the **first** generation to feel the sting of climate change, and we are the **last** generation that can do something about it."*

— Jay Inslee


Photo by [Rod Long](#) on [Unsplash](#)



## Facility SUSTAINABILITY is an EQUITY issue



Effects of Climate Change to School Facilities, Faculty and Students



**Fire**



Photo by [Nikolay Maslov](#) on [Unsplash](#)

**Extreme Heat**



Photo by [Jess Zorab](#) on [Unsplash](#)

**Drought**




Photo by [Chanelle](#) on [Unsplash](#)

**Flood**





Photo by [Mika Baumeister](#) on [Unsplash](#)



California Heat Assessment Tool

[Download Data](#)
[Explore Location](#)
[Resources](#)
[About](#)

# CALIFORNIA


## Heat Assessment Tool

California is facing a warmer climate over the next century. More frequent and severe heat events will pose considerable health risks that disproportionately impact frontline populations. This tool allows users to explore and understand how extreme heat will impact specific communities across the state.



Explore California by City or County

GO



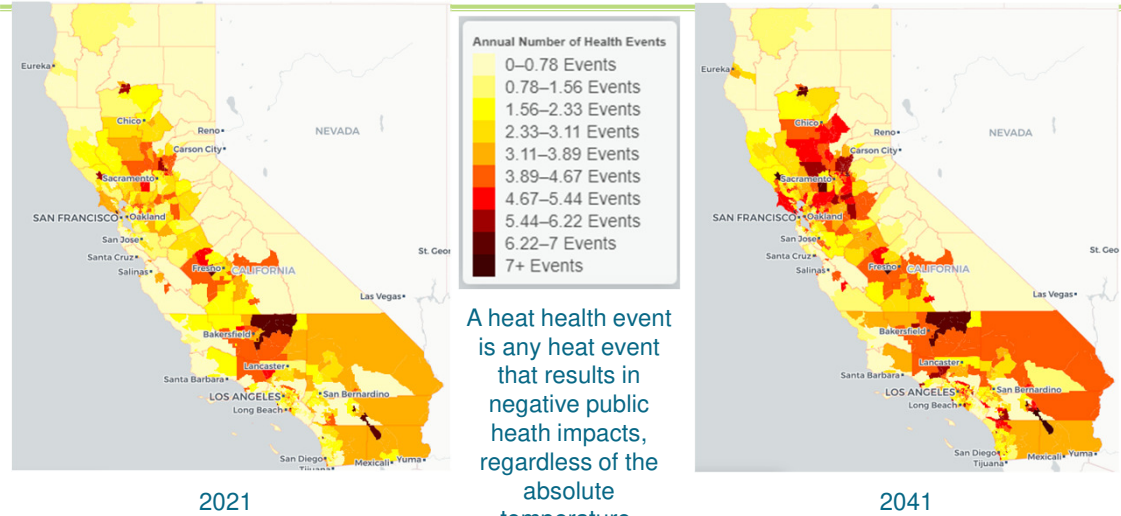
EXTREME  
HEAT

[www.cal-heat.org](http://www.cal-heat.org)

The California Heat Assessment Tool was funded by the California Natural Resources Agency for local and state health practitioners to better understand dimensions of heat vulnerability driven by climate changes and where action can be taken to mitigate the public health impacts of extreme heat in the future.



## Heat Health Events



## Time to think differently about our school facilities.....

- Which one **safer**?
- Which has **lower operating** cost?
- Which has **lower maintenance** cost?
- Which is **healthier** for the driver and passengers?
- Which is **healthier** for the community?
- Which has **greater performance**?

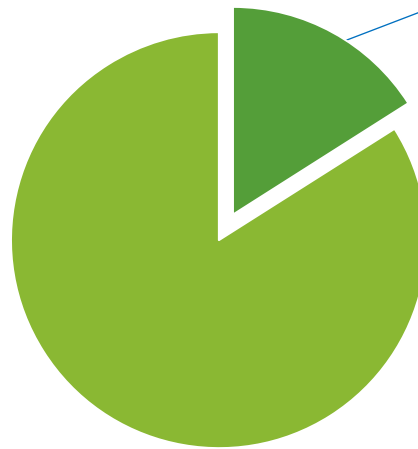


©CHPS 2023  
#betterbuildingsbetterstudents



# 0.65

Impact, in grade levels, of moving an average child from the worst classroom to the best



**16% Quality of the Classroom Environment**

**84% All other Factors**

- Socioeconomic
- Teacher quality
- Family Support
- Nutrition
- Sleep
- Etc.



**DSA**

## Academic Achievement

Factors affecting the gap between the highest and lowest achieving students.

*"First we shape our buildings;  
thereafter they shape us."*

- Winston Churchill



I-HED

USD

VANIR

## Attributes of a High Performance School



## BEFORE

## High School Modernization



Fremont HS, Quattrocchi Kwok Architects

- Recruited mediocre talent
- Higher teacher turnover
- Increased mental health issues including stress, anxiety, and depression amongst students
- More sick days with increased incidents of illnesses such as asthma
- Paying too much for utilities
- Negatively effecting 'pride'

## High School Modernization

## AFTER

- Reduced absenteeism
- Improved Performance
- Increased employee attraction
- Increased employee retention
- Reduced operating costs
- Environmentally sustainable
- Facility Pride



Freemont HS, Quattrocchi Kwok Architects



Increase school facility energy efficiency and reduce greenhouse gas emissions with each new construction and modernization, leading to a zero net energy and zero net carbon future.





## GETTING TO ZERO OVER TIME

### K-12 PUBLIC SCHOOL DISTRICT FACILITY SUSTAINABILITY PLANNING

- New Construction
- Major Modernization
- System Replacement
- Equipment Replacement
- Operations & Maintenance



## *CAL*Green Mandatory Measures for Schools

- Bicycle parking
- Electric vehicle charging
- Light pollution reduction
- Grading to manage surface water flow
- Shade trees
- Water conserving plumbing fixtures
- Outdoor potable water use in landscape areas
- Water resistance and moisture management
- Building Reuse
- Construction waste disposal and recycling
- Recycling by occupants
- Pollutant control during construction
- Finish material pollutant control
- MERV-13 filters
- CO2 monitoring in classrooms
- Acoustical control and exterior noise transmission
- HVAC refrigerants without chlorofluorocarbons and halons
- Embodied Carbon of Materials





## DSA SUSTAINABILITY EDUCATION AND OUTREACH

- GETTING TO ZERO OVER TIME COHORT
- NET ZERO EVENTS
- CALIFORNIA SUSTAINABLE SCHOOLS SHOWCASE
- NET ZERO ENERGY AND NET ZERO CARBON RESOURCES
- CASE STUDIES IN SUSTAINABLE SCHOOL DESIGN: 7X7X7 DESIGN ENERGY WATER
- WATER CONSERVATION
- MECHANICAL ACCEPTANCE TEST TRAINING

## ROADMAP TOOLKIT

- Stakeholder Engagement
- Goals
- Resolution
- Facility Assessment
- RFP
- Interview Q's
- OPR
- Project Checklist
- Reporting Template
- Media Release
- ZNC Bond Criteria

Decarbonization Roadmap Guide for School Building Decision Makers - New Buildings Institute



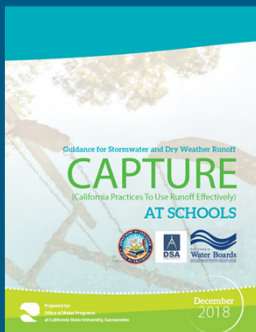
# The All-Electric California Schools Kitchen of the Future



Photo by [Jonathan Borba](#) on [Unsplash](#)



## Stormwater Capture and Runoff Management



Preserve, create, and enhance natural areas and features.

Minimize impervious surfaces.

Design with soils that promote infiltration.

Arrange impervious surfaces to drain to permeable surfaces.

Design areas to prevent irrigation runoff.

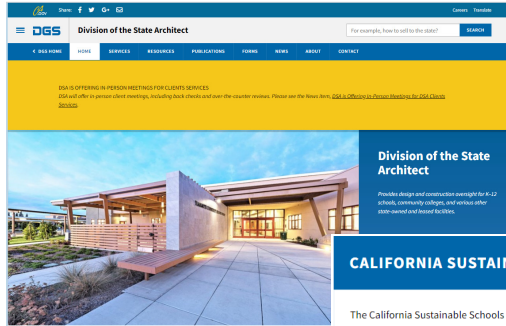
Allocate space to stormwater control measures.

Incorporate visual stormwater features and learning opportunities.





## Sustainable Schools Showcase



Yosemite Community College



Blach Intermediate School



Crafton Hills College

### CALIFORNIA SUSTAINABLE SCHOOLS SHOWCASE

The California Sustainable Schools Showcase aims to acknowledge challenges, dispel myths, and share innovative solutions by showcasing school districts' efforts to plan for and prioritize sustainability in public school facilities in California. Educational, administrative, and maintenance buildings that exhibit innovative ideas and successfully capture both sustainability and energy efficiency through building programming, design, and the implementing of cutting-edge technology systems will be featured. Zero net energy, low carbon and carbon neutral facilities, and other strategies for sustainable schools will be highlighted to showcase those districts throughout the state who have been able to implement these strategies in both new construction and alterations to existing buildings.

#### California Sustainable Schools

- [Medea Creek Middle School](#)
- [Suisun Valley School](#)
- [SBCCD's Sustainability Plan](#)
- [San Bernardino Community College District's Crafton Hills College](#)
- [Los Altos School District's Blach Intermediate School](#)
- [Yosemite Community College](#)



## DSA Academy

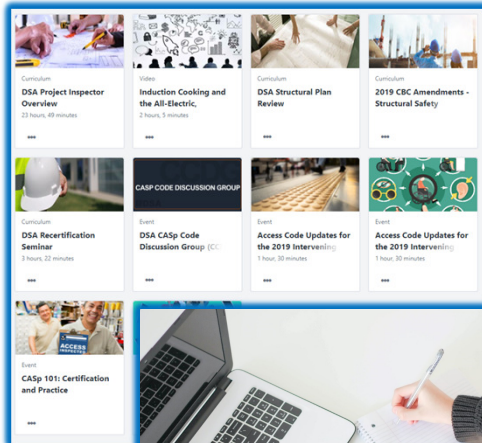


Photo by [J. Kelly Brito](#) on [Unsplash](#)

#### Sustainability Topics:

[California EVCS Accessibility](#)  
[All-Electric Schools Kitchen of the Future](#)  
[Green Schoolyards](#)

#### Coming soon:

[CALGreen Embodied Carbon Regulations](#)  
[Free, On Demand, CEU credit](#)





# SUBSCRIBE TO OUR LISTSERV!

The screenshot shows the Division of the State Architect website. The header includes the DGS logo and navigation links: HOME, SERVICES, FORMS, RESOURCES, PUBLICATIONS, NEWS, ABOUT, and CONTACT. A search bar is present. The main content area features a large image of a solar panel array with the title "Sustainability for California Schools" and a brief description. Below this, there is a "CONTACT" section with the address: 1100 Q Street, Suite 9100, Sacramento, CA 95811, and a "CONNECT WITH US" section with social media icons for Facebook, Twitter, YouTube, and LinkedIn. A "SUBSCRIBE" button is also visible.

# DSA Q&A

A large white 3D question mark is positioned on a light-colored wooden floor against a plain grey wall. The question mark is slightly tilted, and its shadow is cast on the floor.

2024 CSFC Annual Summit  
Division of the State Architect Update

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