



SDUSD

COMMITTED TO A SUSTAINABLE LEARNING ENVIRONMENT

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About
SDUSD

Why
CHPS?

CHPS
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Successes &
Challenges

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Q&A



SDUSD

SDUSD is the 2nd largest school district in California and 8th largest urban school district in nation

- 14.7 million square feet of facilities
 - 200 active school sites
 - 134,000 students
 - 15,000+ Employees
 - Utility Bills of \$20M annually

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SDUSD



- EMCS/ICCS
- RECYCLING
- EDUCATION
- UTILITY SHARED SAVINGS INITIATIVE
- 28 SITES WITH PV PRODUCING 4MW

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WHY CHPS

CHPS's mission is to make schools better places to learn. This is accomplished through making healthier, more sustainable and more efficient schools.

- CHPS focused on K-12 schools
- CHPS embraces geographical/regional needs
- CHPS includes educational elements as core ideology

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WHY CHPS

Benefits of High Performance Schools

A comprehensive approach combining:

- ❖ Improved Student Performance
- ❖ Better Student and Staff Health
- ❖ Reduced Operating Costs
- ❖ Improved Teacher Retention
- ❖ Reduced Liability Exposure
- ❖ Reduced Environmental Impact, and
- ❖ Eligible for Financial Incentives

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CHPS Implementation

BOE Adopted Sustainability Standards

"The **Board of Education** has adopted Guidelines for Sustainable Construction, **requiring design professionals and staff to follow CHPS standards and best practices for all future District building projects.** These standards incorporate the latest green building practices to reduce operating cost, reduce environmental impact, and increase building life, while creating schools that are healthy, comfortable, well lit and well equipped.

The District intends to incorporate sustainability site design, water conservation, energy efficiency, improving indoor air quality and incorporating sustainable materials and products into the bond projects, emphasizing long term life cycle cost analysis in it's design process. It is intended that the planned maintenance work will also incorporate improvements to facilities with respect to sustainability and energy conservation, whenever feasible."

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CHPS Implementation

CEC Grant Awarded to SDUSD

- ❖ Hire consultant
- ❖ Review specifications
- ❖ Incorporate CHPS criteria

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CHPS Implementation

Consultants performed tasks such as:

- Guide implementation program, including the development of tools and priorities.
- Sustain the District's CHPS implementation objective
- Developing a database with district staff
- Revising specifications and design guidelines to incorporate high performance standards

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CHPS Implementation

- Internal Support (BOE) to integrate CHPS into all facets of our facilities
- Design Guide section instructing Architect and Engineer on what to incorporate
- Division 1 CHPS Specification defining Contractor responsibilities
- 2 paths to incorporating CHPS in specifications:
 - Put everything in Division 1 and reference it in other divisions
 - Include CHPS in 2 through 21 divisions and have a complete and thorough HPS specification package

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CHPS Implementation

Initially each credit was designated by SDUSD's Oversight Committee as one of the following:

- SDUSD – Standard: Included in every new school
- SDUSD - Verify: Needs to be verified through review of District specifications
- SDUSD - Targeted: Targeted for future implementation
- SDUSD - Adoption priority: For targeted credits: high (A), medium (B) or low (C)

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CHPS Implementation

After the Oversight Committee determined achievable credits of high importance, a second scorecard was created to further delineate priorities:

- SDUSD Priority 1: Verify
- SDUSD Priority 2: Prerequisites
- SDUSD Priority 3: Student Performance and Student and Staff Health
- SDUSD Priority 4: Operating Cost Minimization
- SDUSD Priority 5: Other Environmental Priorities

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CHPS Implementation

A SDUSD CHPS Project Scorecard was then developed for tracking the design and documentation of each new school and project, which was distributed to all architects.

NOTE: This scorecard is a modified version of the one required for CHPS Design, avoiding duplication, while serving SDUSD and CHPS needs.

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CHPS Implementation

SDUSD's contracts with architects require them to complete CHPS forms.

1. A process needs to be developed for monitoring CHPS related issues during project construction.
2. Commissioning, a CHPS prerequisite, needs to be integrated into SDUSD's design and construction program in order to capture Proposition 1D incentives.

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CHPS SUCCESSES

CHPS CERTIFICATION

- ❖ Herbert Ibarra Elementary
- ❖ Cherokee Point Elementary

CHPS Registered Schools

- ❖ Lincoln
- ❖ Mead
- ❖ Golden Hill
- ❖ Normal Heights

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CHPS Challenges

- Perceived cost premium and delayed schedule
- Everyone's overworked and understaffed
- Education of architects on CHPS criteria interpretation to minimize inconsistencies.
- Monitor projects to ensure plans and specifications are followed.
- Working with PM's, architects and engineers to ensure CHPS guidelines are being incorporated into the design.
- Working with the specification writers to call out for sustainable materials and energy efficient building systems.

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CHPS TECHNICAL COMMITTEE



- CHPS Technical Committee develops the standards, with subcommittees for specific topics
- Members are volunteers from government, private sector and non-profits
- Have to be a CHPS member to join the Technical Committee
- Draft submitted for two rounds of public review
- Final adoption by CHPS Board of Directors

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THANK YOU



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