

# STATE OF CALIFORNIA

Proposition 1D Workshop  
*presented by the*

Office of Public School Construction (OPSC)

Division of the State Architect (DSA)

# High Performance Incentive Grant Program

Presented By:

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and  
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# Assembly Bill (AB) 127

Set aside \$100 million in incentive grants to promote the use of high performance attributes in new construction and modernization projects for K-12 schools. High performance attributes include:

- Using designs and materials that promote energy and water efficiency.
- Maximizing the use of natural lighting.
- Improving indoor air quality.
- Utilizing recycled materials and materials that emit a minimum of toxic substances.
- Employing acoustics that are conducive to teaching and learning.

# High Performance Rating Criteria

The High Performance Rating Criteria (HPRC) was modeled after the 2006 Collaborative for High Performance Schools (CHPS) criteria.

- The five categories used for the HPRC are:
  - Site
  - Water
  - Energy
  - Materials
  - Indoor Environmental Quality

# High Performance Rating Criteria

- The DSA will oversee the review of plan designs and report the high performance rating score to the OPSC.
- The project which includes a complete set of plans must be submitted to and accepted by the DSA on or after May 20, 2006.
- The increase to the base grant will be determined by the number of credits the project receives multiplied by a percentage factor which will ultimately provide an increase ranging from two to just over ten percent.

# New Construction Projects

Must meet all prerequisites in all HPRC categories; then, the district may select the credits they wish to pursue.

- Projects accepted by the DSA **prior to October 1, 2007** may utilize the *CHPS Best Practices Manual Volume III 2002 Edition*. The point range for those projects will be a minimum of 23 points and a maximum of 72 points.
- Projects accepted by the DSA utilizing the *CHPS Best Practices Manual Volume III 2006 Edition*, will have a minimum point threshold of 27 points and a maximum of 75 points.

# 2002 Criteria

## New Construction/Additions and Modernization Grant Amounts

The following percentage increases shall be applied to the appropriate New Construction or Modernization base grant.

Two percent at 23 points plus 0.03 percent for each point attained from 24 through 33 points; or

2.35 percent at 34 points plus 0.24 percent for each point attained from 35 through 40 points; or

Four percent at 41 points plus 0.36 percent for each point attained from 42 through 54 points; or

9.05 percent at 55 points plus 0.060 percent for each point attained from 56 through 72 points

# 2006 Criteria

## New Construction Grant Amounts

The following percentage increases shall only be applied to the New Construction base grant.

Two percent at 27 points plus 0.050 percent for each point attained from 28 through 33 points; or

2.35 percent at 34 points plus 0.24 percent for each point attained from 35 through 40 points; or

Four percent at 41 points plus 0.36 percent for each point attained from 42 through 54 points; or

9.05 percent at 55 points plus 0.060 percent for each point attained from 56 through 75 points.

# Additions to a Site and Modernization Projects

Must meet all prerequisites that are within the scope of the project; then, the district may select the credits they wish to pursue.

- Projects accepted by the DSA **prior to October 1, 2007** may utilize the *CHPS Best Practices Manual Volume III 2002 Edition*. The point range for those projects will be a minimum of 23 points and a maximum of 72 points.
- Projects accepted by the DSA utilizing the *CHPS Best Practices Manual Volume III 2006 Edition*, will have a minimum point threshold of 20 points and a maximum of 77 points.

# 2006 Criteria Additions to a Site and Modernization Grant Amounts

The following percentage increases shall be applied to the appropriate New Construction or Modernization base grant.

Two percent at 20 points plus 0.025 percent for each point attained from 21 through 33 points; or

2.35 percent at 34 points plus 0.24 percent for each point attained from 35 through 40 points; or

Four percent at 41 points plus 0.36 percent for each point attained from 42 through 54 points; or

9.05 percent at 55 points plus 0.060 percent for each point attained from 56 through 77 points.

# Funding Calculation Example:

## Scenario –

New Construction project for a 1000 pupil elementary school designed to the 2006 criteria with 41 points achieved and verified by DSA.

Base grant:  $\$8081 \times 1000 \text{ pupils} = \$8,081,000$

41 points = 4.0 percentage increase

Therefore;

$8,081,000 \times 4.0 = \$323,240$  in incentive grants

# Program Specifics

- **The \$100 million will remain in one fund.**
- **Should funds become exhausted, the District may:**
  - **Receive funding without the HPI grant.**
  - **Withdraw the project and resubmit should funds become available at a later date.**

# Questions



# Website and Contact Information

[www.opsc.dgs.ca.gov](http://www.opsc.dgs.ca.gov)

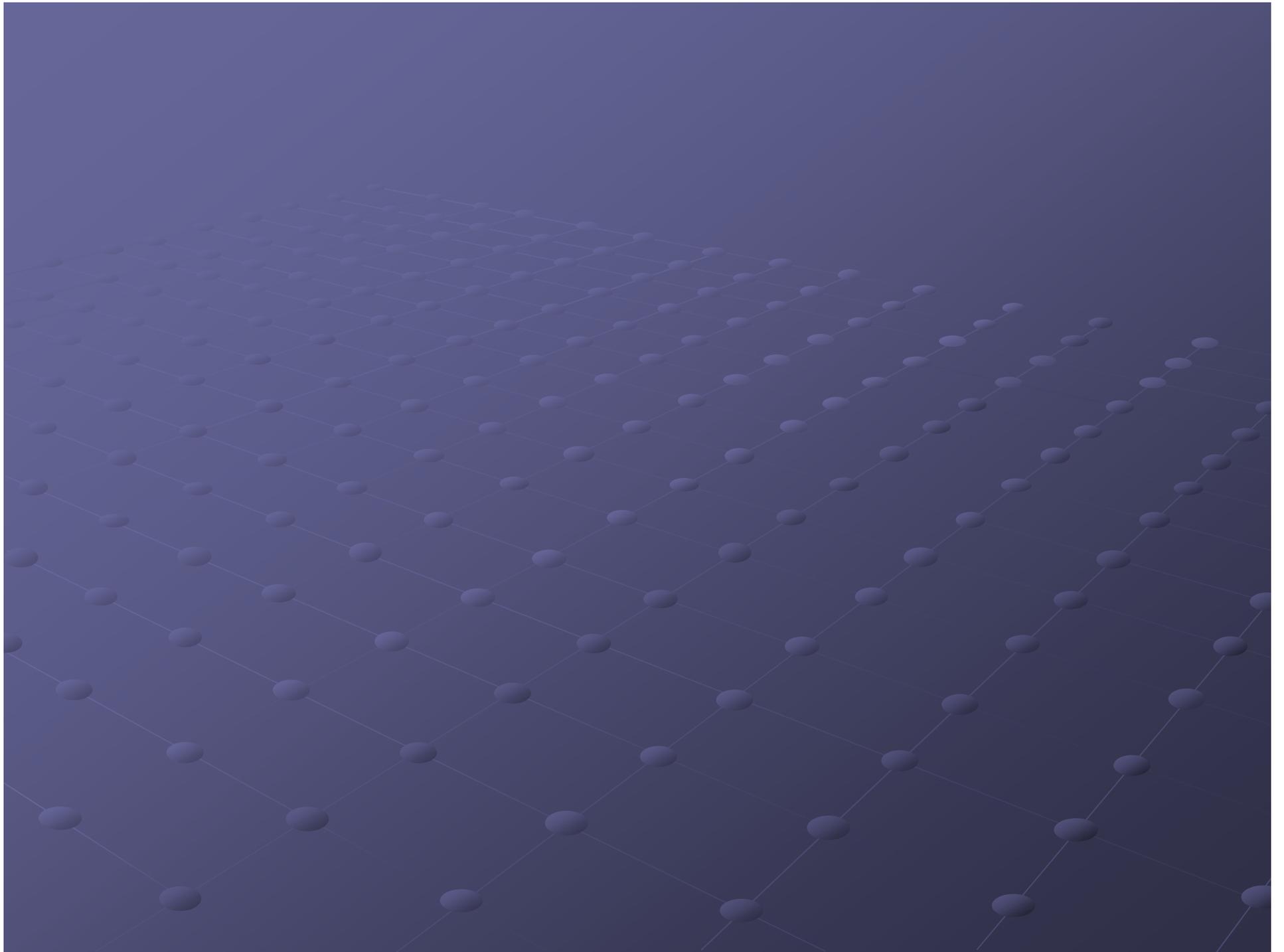
[www.dsa.dgs.ca.gov](http://www.dsa.dgs.ca.gov)

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# DSA High Performance School Plan Review Process



# Agenda

- High Performance Schools (HPS)
  - DSA Process Summary
  - DSA Process Flowcharts
  - Documentation
  - HPS Scorecard
- Resources

# DSA - HPS Process Summary

For verification of HPS Scorecard  
and Points

# Opportunity for all projects

- New DSA applications and applications currently in Plan Review
  - Submit complete package (defined later) and a copy of DSA 1 with item 16(b) filled out *directly to HPS unit* in Sacramento HQ
- For DSA applications with plan approval
  - Submit **HPS Only addendum** with complete package of documents *directly to HPS Unit* in DSA HQ

# HPS review request log

- HPS staff at DSA HQ will maintain log of all HPS scorecard verification requests in chronological order
- HPS review assignments will be made to staff in first come first served manner
- DSA HPS staff will issue HPS1 letter and enter verified HPS score in TRACKER

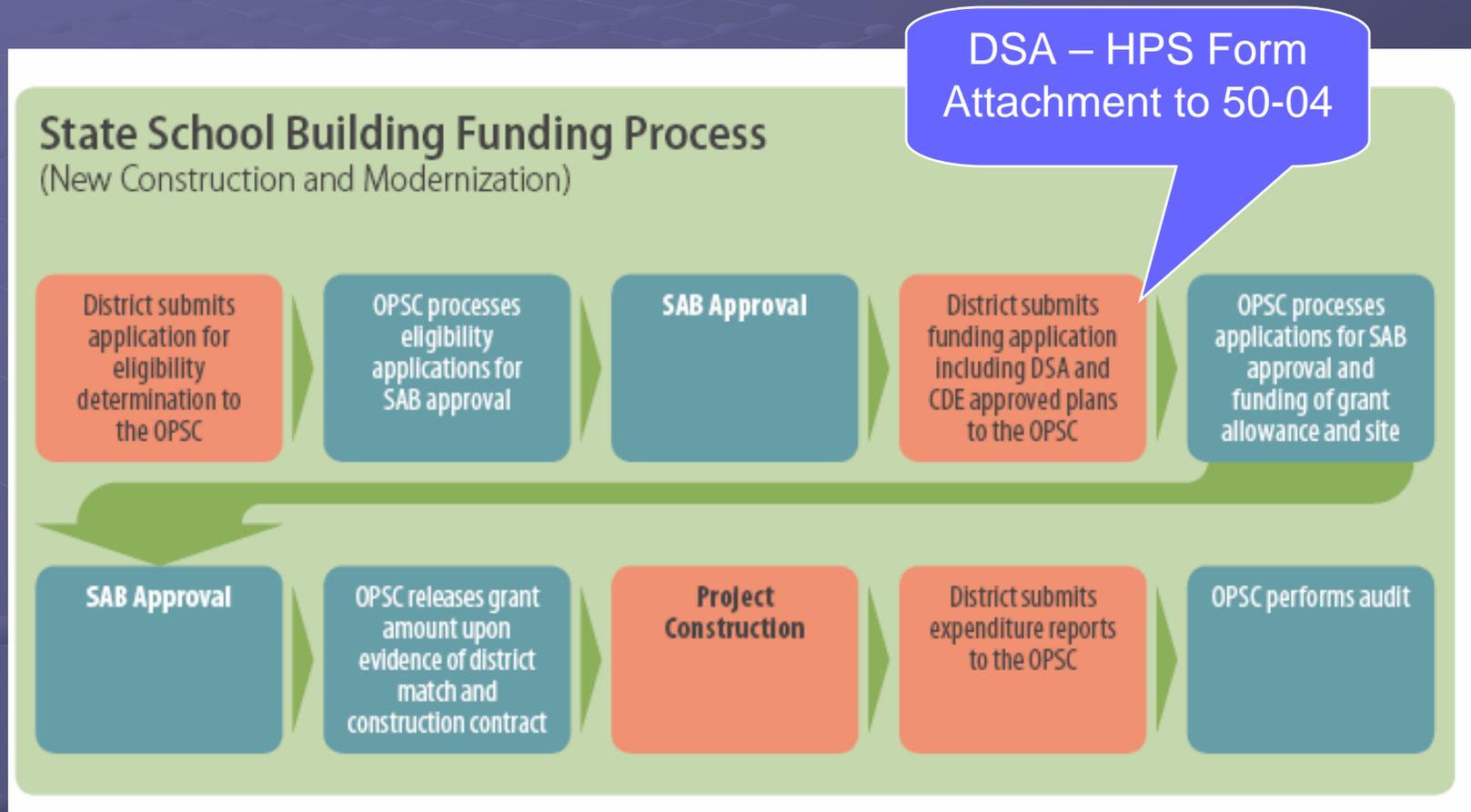
# Variations

- DSA HPS staff will notify AOR when HPS score submitted is not verified.

# DSA - Process Flowcharts



# OPSC – HPS Funding Process



# DSA Regional Offices

## ● Intake Process for Plan Review

- Structural
- Access
- Fire, Life and Safety
- High Performance Schools

# HPS Unit

## ● Review Plans and HPS Scorecards

- DSA Plan Review Guidelines
- Approve Reports via Form HPS and e-Tracker
- DSA HPS Review Fee

## ● Monitor HPS Plan Review Process

- Contact DSA Regional Office
- Contact Clients

## ● Improve HPS Plan Review Process

- Consult with CEC and OPSC

# DSA HPS Plan Review

- High Performance Schools Compliance
  - DSA-1 Form, Question 16

**16** Is project funded by the Office of Public School Construction (OPSC)? YES  NO   
**16a** OPSC Application Number: (If "NO" skip to line 17)  
**16b**  Client is requesting DSA verification for an OPSC incentive grant (not applicable if answer to 16 is "NO")

Client checks box for  
HPS Review

# DSA HPS Review Process

- Review Handouts –
  - New Submittals
  - Projects In Process or with DSA Approval Letter
- All submittals must have complete documents to start the process
  - First-come-basis

# HPS Plan Review Process

## ● Lead person

- Verifies submittal package for completeness
- Assigns projects and notifies client

## ● Reviewers

- Verify plans, specs, and supporting documents for HPS Criteria Verification and Code Compliance
- Communicates with client throughout the process

# HPS - Documents

- Electronic Files

- Excel File of Scorecard
- EnergyPro File of Title 24, Part 6
- PDF files of Specifications
- PDF files of Cut-sheets
- PDF files supporting document

- ½ Size of Full Set of Plans

- Electronic Plan Review optional for small projects

- Guidelines on DSA Website



# DSA - HPS Scorecard

- Summary of Scorecards



# Summary of Scorecards

- Two Versions of HPS Scorecards
- 2002 Criteria
  - For New Campuses, Additions, and Major Modernization
  - Good until October 1, 2007 (DSA-1 date)
- 2006 Criteria
  - For New Campuses, Additions, and Major Modernization
  - Good until next criteria is adopted

# 2002 Scorecard

## Energy Code

- 2001 Energy Code
  - DSA-1 application **before** October 1, 2005
- 2005 Energy Code
  - DSA-1 application on or **after** October 1, 2005
- Review of DSA guidelines
  - 1<sup>st</sup> Page of Scorecard

# Website Resources

## ● DSA Website Link to HPS

- <http://www.dsa.dgs.ca.gov/OtherProg/hps.htm>

## ● DSA Website Link to Energy Regulations

- <http://www.dsa.dgs.ca.gov/OtherProg/energyregs.htm>

## ● Collaborative for High Performance Schools [www.chps.net](http://www.chps.net)

# HPS Plan Review Staff

- Mahendra Mehtra - Program Manager (916) 324-5900
- Lydia Barrón - Lead Team, Energy Resources Specialist (ERS) (916) 327-0535
- Raghurir Gupta - Associate Mech. Engineer
- Rick Muller – ERS
- Paul Vetter – Senior Mech. Engineer, P.E.
- David Weightman – ERS
- All Staff is CABEC Certified Energy Analysts