



REGISTER

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Volume XXVIII, No. 11

THE NEWSLETTER OF THE COALITION FOR ADEQUATE SCHOOL HOUSING

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Rosa Parks Elementary School

See page 12 for details

Message From The Chair



Ted E. Rozzi, C.A.S.H. Chair

As you are probably well aware, the interest in “green” or “high performance” schools has increased dramatically over the past few years as the concern about global climate change has entered the consciousness of both the general public and policymakers. C.A.S.H. has been a leader in recognizing the benefits of green schools for California’s school children and teach-

Governor’s Green California Schools Summit

ers, and our advocacy in favor of including \$100 million for high performance schools in Proposition 1D will allow schools to begin building, modernizing and maintaining schools in a way that will be healthier for children, reduce school operating costs, and make a contribution to reducing the impact that schools have on the environment.

The Governor has been a leader in the green schools movement, stating as a goal his desire for “Grid Neutral” schools in California. To this end, the Governor directed Rosario Marin, Secretary of State and Consumer Services, Dr. David Long, Secretary of Education, and David Thorman, State Architect, to organize a green schools summit to provide information on how to “green” schools and to help develop the market for companies specializing in green technology to lower costs and increase availability. I was also honored

to be asked to serve as a member of the advisory board for the summit.

The result of these efforts was the *Green California Schools Summit and Exposition*, which was held on December 4-6 in Pasadena. I attended the summit to represent C.A.S.H. and also to make a presentation on a “green” high school project in my district. In her comments during the opening general session, Ms. Marin captured the essence of the *Green California School Summit* when she stated that “across California, there is a revolution taking place. From inner cities to the suburbs and throughout rural areas, green schools or high performance schools are cropping up. These schools are healthy, comfortable places, full of light and air. They have gardens, shading, and they are built to take advantage of natural daylight and ventilation. Energy efficiency is a key element in their design. They are tremendous environments that help bring out the best in our kids – both personally and academically.”

The summit was very well attended and included representatives of school districts, policymakers, design professionals, “green” vendors and environmentalists, and presentations on a wide variety of issues related to building green schools, such as Grid Neutral Schools, How to Design a High Performance School, and How to Finance Green Schools. The summit also included an impressive trade show, which allowed vendors to display products such as solar panels and photovoltaic systems, sustainable building materials, green design and engineering services, efficient lighting and water conservation systems, and green cleaning products.

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REGISTER

Volume XXVIII, Number 11
November/December 2007

© 2007 The Coalition for Adequate School Housing

ISSN: 1081-9088

Publisher: Coalition for Adequate School Housing • Editor: Greg Golik

The CASH Register is published eleven times a year (January through November) by the Coalition for Adequate School Housing (C.A.S.H.) and distributed to C.A.S.H. members. Over 1,000 rapidly growing school districts, county offices of education, architects, attorneys, bond counsel, financial institutions, developers, contractors, consultants, inspectors, licensed professionals, manufacturers of portable classrooms, maintenance suppliers and others who are concerned about school construction issues hold C.A.S.H. memberships.

The CASH Register solicits articles on school facility-related topics from the membership. If you are interested in submitting an article, please send it or a letter of inquiry to: Editor, CASH Register editorial office, 1130 K Street - Suite 210, Sacramento, CA 95814. Sorry, we are unable to return or acknowledge unpublished manuscripts. The views expressed herein are those of the authors and not necessarily those of the Coalition for Adequate School Housing, its board, staff or general membership.

Thank You

Contributors to the 2008 Statewide Bond Campaign

As of December 12, 2007

Double Diamond \$30,000 +

Architects

- HMC Architects
- LPA, Inc.
- NTD Architecture
- Ruhnau Ruhnau Clarke
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- Dennis Dunston
- Haley & Aldrich, Inc.
- Phil Henderson
- Gretchen Kocinsky
- Ted Rozzi
- School Site Solutions
- Joseph Serar
- Linda Sweaney
- Kathy Tanner

See page 7 of this issue for a contribution form and visit the C.A.S.H. website at www.cashnet.org to see an updated list of contributors throughout the fundraising effort.

Assembly Education Committee Holds Informational Hearing on 2008 Bond

The Assembly Education Committee, chaired by Assembly Member Gene Mullin, held an information hearing on AB 100 (Mullin), the Kindergarten-University Public Education Facilities Bond Act 2008. The purpose of the hearing was to review existing programs and funding levels in Proposition 1D and to allow stakeholders the opportunity to make recommendations for what should or should not be included in the next bond. C.A.S.H.'s legislative advocacy team was in attendance to ensure that C.A.S.H.'s concerns were well represented in this discussion.

State Superintendent of Public Instruction Jack O'Connell began public testimony by pointing out that a bond would be needed to continue to address the current and future needs of California's school children. Specifically, the Superintendent made the following recommendations to the Committee:

- Increase the grant to build complete schools that meet Field Act and Title 5 requirements.
- Allocate funds on a project basis.
- Integrate preschool facilities into the K-12 facilities to encourage school readiness for all children.
- Increase grant funding to support the building and modernizing of school facilities, including those for career technical education, for the 21st century. Current funding supports existing lecture-style teaching, not the flexible designs and technology-rich spaces of different sizes and configurations necessary to prepare students for the global economy.
- Maintain the commitment and fund the commitment for the state grant to fund 50% of new construction costs.
- Include in the bond \$500 million for improved food service nutrition

facilities and equipment.

Longstanding neglect of school kitchens and eating areas is a barrier to the State's efforts to combat childhood obesity.

- Include more space for community services on school campuses, such as parent volunteer rooms, health or social services, to allow parents and the community to respond to the unique needs of students.
- Encourage building small high schools.

Next up to testify was Rob Cook, the Executive Officer of the Office of Public School Construction, who provided an update on the status of current funding in Proposition 1D, as well as the few remaining funds in Propositions 55 and 47. Kathleen Moore, the Director of the School Facilities Planning Division at the California Department of Education, joined Mr. Cook on the podium to discuss what level of funding would be needed in the next bond and how to ensure educational needs can be met through these programs. Ms. Moore reiterated Superintendent O'Connell's concern about the adequacy of SFP grants and informed the Committee that her department is conducting research on what constitutes a "Complete School."

Next up was Jennifer Kuhn, the Director of K-12 Education for the Legislative Analyst's Office, who provided a policy evaluation of current Proposition 1D programs. Specifically, Ms. Kuhn stated that the LAO had four areas of concern with the program: a) lack of data on facility needs and construction costs hinder decision-making, b) financial hardship program might not be helping neediest districts, c) traditional bond financing of charter school facilities does not appear to be working, and d)

overarching system of K-12 facility funding could be improved.


Mavonne Garrity, the Assistant Executive Officer of the State Allocation Board, was up next to provide a summary of each of the specific programs contained in Proposition 1D and how each of the programs are working to date. At this point in the hearing, stakeholders were allowed the opportunity to make comments on each of the programs, to provide their perspectives, and to make recommendations on how the programs are working and what changes should be made in the next bond.

The C.A.S.H. advocacy team, including Tom Duffy, Ian Padilla, Ernie Silva and others, commented and made recommendations on each of the programs. Specifically, Mr. Duffy informed the Committee that the adequacy of SFP grants is one of C.A.S.H.'s primary concerns and that this issue must be addressed in the context of the next bond to allow school districts to build instructional spaces which will adequately support a high achievement environment. Mr. Padilla informed the Committee that C.A.S.H. supports continued efforts to address overcrowding and sufficient funding for high performance schools, and Mr. Silva urged the Committee to recognize the significant "off-site" issues in the next bond. Pamela Johnson, Montebello USD and Immediate Past Chair of C.A.S.H., also addressed the Committee concerning the impacts of declining enrollment on districts such as hers, with overcrowding not currently recognized by the program.

The hearing concluded with presentations from preschool advocates who advocated for inclusion of a preschool program in the next bond. Presentations and testimony were made by Sharon Scott Dow, Director of Govern-

DSA Project Closeout

mental Relations for the Advancement Project, Kris Perry, the Executive Director of First 5 California, Michael Jett, Director of the Child Development Division of the California Department of Education, Kathleen Moore, Director of the School Facilities Planning Division at the California Department of Education, and Erika Hoffman, Principal Legislative Advocate, California School Boards Association.

C.A.S.H. was pleased that the Assembly Education Committee held this informational hearing to discuss the next statewide school bond and would like to thank Assembly Member Gene Mullin, Vice-Chair Martin Garrick and their staffs for their leadership on this issue. 

~Jan Padilla

The Division of the State Architect (DSA) is in the process of revising our closeout procedures and closing out over 7,000 school facility projects that date back to December 2005.

Good progress has been made on eliminating this backlog, but approximately 4,300 projects remain to be closed by our deadline of June 2008. We have brought on additional staff to help us with this effort.

If any district is having problems meeting the requirements to obtain a DSA certified closeout, please contact your DSA Supervising Architect for Project Services at your local DSA Regional Office listed below to discuss the issues and obtain assistance.


- Area 1, San Francisco Bay Area Regional Office, Dan Chu, (510) 622-3126
- Area 2, Sacramento Regional Office, Saher Yassa, (916) 323-2643

- Area 3, Los Angeles Regional Office, Ferris Karim, (213) 897-0902
- Area 4, San Diego Regional Office, Doug Humphrey, (858) 674-5411

In those situations where the necessary closeout documents are not readily available, backlog projects will be closed without certification. They will be reopened at a future date once the necessary documents have been collected and delivered to DSA. The projects will then be closed with certification.

Please note that we are continuing to routinely process and closeout all other projects that have been approved by DSA and are in the "pipeline."

The new simplified closeout procedures that are being developed will be completed and put into effect in early 2008.

Thank you for your support and patience. 

~ David Thorman, State Architect

LAO Report

The Legislative Analyst recently released her annual report on estimated state revenues and expenditures for the current and next four years. Last year's report was upbeat and cheerful as the LAO estimated moderate state revenue growth, moderate annual COLAs, moderate declining enrollment, and healthy local property tax revenue growth. These factors combined to result in a prediction that Proposition 98 funding would be more than sufficient to fund annual COLAs, while also providing significant additional Proposition 98 revenues that could be used for program improvement. Those predictions have been significantly reversed in this new report. In fact, the LAO reports that, without corrective action, the state faces a \$1.9 billion deficit for the current

What a Difference a Year Makes


fiscal year, resulting largely from lower than anticipated revenues.

This year the LAO is significantly less optimistic than it was at this time last year and, in fact, is direly pessimistic.

For the current year, the LAO predicts that the Proposition 98 minimum guarantee is \$400 million less, and the guarantee will be calculated under Test 3. But first the good news. The LAO is predicting a 4.81 percent COLA for 2008-2009. Additionally, she continues to predict Test 1 funding commencing in 2011-2012.

Unfortunately, there is also bad news. Specifically, in addition to the \$400 million decline for the current year, she predicts that there needs to be \$3.6 billion in new ongoing Proposition 98 money to full fund the 2008-2009 COLA and current programs.

The Proposition 98 guarantee, however, is predicted to grow by only \$2.1 billion. Consequently, the LAO is predicting a \$1.5 billion hole in being able to full fund current programs and COLA in 2008-2009.

Finally, the Legislative Analyst predicts that, after funding COLA and existing programs in 2009-2010, there would be a slight Proposition 98 surplus. What the projections emphasize is the volatile nature of state revenues and expenditures. At this point in time, all projections are risky because of that volatility. Just as we moved from a positive projection last year to a negative projection this year, that could change as we move into 2008-2009 if the economy starts to improve at a moderate pace. 

~ C.A.S.H. Staff

Proposed New Energy Efficiency Building Codes

By Jackalyne Pfannenstiel, Chairman,
California Energy Commission

Introduction

Are you wondering how the new 2008 Energy Efficiency Building Standards will affect school modernization and new construction projects?

The proposed code changes for the *Title 24, Part 6, of California Energy Efficiency Standards for Residential and Nonresidential Buildings* are still in the draft stage and are expected to receive final approval in January of 2008, with a tentative effective date of April 2009. New school construction and modernization projects should anticipate building envelope requirement changes, with less significant code modifications in the areas of lighting and heating, ventilation and air conditioning (HVAC).

So, how will that translate to school's bottom line energy use? On average, the 2008 Building Energy Efficiency Standards will increase the efficiency of schools by five to ten percent.

Background

Adopted in 1978 to reduce California's energy consumption, the Building Energy Efficiency Standards (Standards) have saved more than \$56 billion in electricity and natural gas costs. The Standards are anticipated to save an additional \$23 billion by 2013. The Energy Commission updates these Standards periodically to consider and possibly incorporate new energy efficiency technologies and methods. Moreover, California energy policy places high priority on substantial improvements of the Standards during these updating cycles.

Most Important Changes

The biggest change for school buildings affects the building envelope; this includes changes in wall, roof, and floor assembly requirements and

expansion of skylight requirements. The second major change is in classroom lighting.

Building Envelope

The construction of the school building enclosures or envelopes – especially insulation, thermal mass, and fenestration performance – can significantly influence energy efficiency and student/teacher comfort. The 2008 Standards update includes changes in the minimum level of insulation required in ceilings, walls, and floors. Some examples of these changes include: 1) ceiling insulation requirements will decrease for metal framed buildings; 2) wood-framed ceiling insulation requirements will increase; 3) wall insulation requirements for metal-framed walls will now align with metal building requirements and be increased in harsher climate zones; 4) insulation requirements for non-concrete slab floors will increase for climate zones with more severe weather; and 5) insulation requirements for mass floors will decline in other climate zones.

Cool roofs save energy and money for building owners – particularly in areas with high air-conditioning usage – by reflecting the sun's energy rather than absorbing it. This reduces a building's cooling load. The cool roof requirements introduced in the 2005 Standards focused only on low-sloped roofs. The 2008 Standards update expands the cool roof requirement to include steep-sloped buildings in warmer climates.

Windows and skylights provide schools with natural daylighting that can significantly reduce electric lighting and cooling energy costs. Daylighting also goes beyond energy savings with strong evidence that well-designed daylighting enhances the health,

comfort and productivity of the building occupants. The 2008 Standards requires that all buildings 8,000 square feet and larger include skylights. Skylight changes also have a moderate adjustment in both U-factor and solar heat gain requirements.

Electric Lighting

Electric lighting is a major component of school energy use. To maximize energy savings, classroom occupancy sensors will now be mandatory and time clocks will no longer be an option for classroom lighting control. An additional electric lighting Standard change is the lighting power allowance for classrooms. When using the Area Category Method (the simplest compliance method when building a whole school), the lighting power density will decline to 1.1 watts per square foot from the existing 1.2 watts per square foot.

Energy Commission staff is also considering a change to lighting power density. The Complete Building Method "Type of Use" classification may be changed from "Schools" to "Classroom Buildings." This change provides a distinction between multiple buildings on a single campus and differentiates classrooms from other buildings that are not predominately classrooms, such as gymnasiums and libraries.

Other Changes

Although acceptance verification is not new to the Standards in the building code, the 2008 Standards update expands acceptance verification to some new areas. For example, new fenestration acceptance verification requires all site-built fenestration to have a National Fenestration Rating Council

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COALITION FOR ADEQUATE SCHOOL HOUSING

ISSUES COMMITTEE

FPPC I. D. No. 980-478

Contribution Request Form

Please take a moment and contribute to the Coalition for Adequate School Housing Issues Committee.

Contribution Amount: _____

Contributor Name: _____

Contributor Contact Name: _____

Street Address: _____

City, State Zip: _____

Phone Number: _____

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If Contributor is an individual, please include:

Occupation: _____

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To contribute by credit card, please provide the following information:

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Card Number: _____

Visa MasterCard Signature: _____

Is this a personal credit card or a company card?

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Otherwise, please include a check to be deposited and mail or messenger to:

Coalition for Adequate School Housing Issues Committee
Steven S. Lucas, Treasurer
591 Redwood Highway, No. 4000
Mill Valley, CA 94941
(415) 389-6800

To expedite recognition for your contribution on the C.A.S.H. web site, in the CASH Register, at C.A.S.H. meetings and other functions, please fax a copy of this form to the C.A.S.H. office at (916) 448-7495.

Contributions to the Coalition for Adequate School Housing Issues Committee are not deductible as charitable contributions for federal income tax purposes. Moreover, contributions are for the purpose of influencing voters on ballot measures and are regarded as payments for "grassroots lobbying" which are not deductible as a business expense (IRS Regulation 1.162-20 [b], [c]). Contributions from foreign principals may not be accepted.

C.A.S.H. Design and Planning Awards Jury

C.A.S.H. would like to thank the members of the 2008 Leroy F. Greene Design and Planning Awards Jury for its work in selecting the winning entries to be presented at 29th Annual Conference in February. Following is a brief biography of each juror.



Katherine Diamond, FAIA, LEED® AP, NBBJ

Katherine (Kate) Diamond, FAIA, is an award-winning and environmentally-responsible architect with more than 30 years of experience in both public institutional and private sector commercial projects. She is an expert in designing complex urban projects and has a talent for bridging differences between governmental entities and its stakeholders and aligning teams under the larger design idea of community building. Kate's role with NBBJ is as a Design Principal/Lead Designer with a focus on civic and commercial projects in the context of city making. She is presently working with The Trust for California Schools on an exploration of the challenges of making schools the centers of community.

Some of Kate's most notable projects from her career prior to joining NBBJ include the Edison School/Pacific Park complex; the first joint development/shared-use project for the City and School District of Glendale; the second prize-winning entry in the Los Angeles

Unified School District's (LAUSD) innovative Science Museum School Competition; and a number of urban school projects for LAUSD. Other relevant institutional projects include the Fontana Library, Resource Technology Center and Civic Auditorium; the landmark LAX Air Traffic Control Tower; and the Los Angeles Police Department Valley Bureau Headquarters & Traffic Division. Kate has served as a guest juror and lecturer at schools of architecture around the country; she is an active member of the National Peer Review Council for the GSA Design Excellence Program, and in 1996, she was elected to the College of Fellows of the American Institute of Architects.



Jeffery T. Gill, Vice President / Principal, MCG Architecture, 2008 President for the AIA California Council

Responsible for the management of MCG Architecture's Irvine office, Vice President/Principal Jeff Gill offers clients and staff members his 25-plus years of experience with a wide range of commercial project types. Taking over the leadership of MCG Irvine in 1997, Jeff contributes his hands-on experience from site planning and building design to construction-related services. He has also become an integral and invaluable member of the business development and marketing team.

With an emphasis on creating business relationships, Jeff concentrates on using his retail experience to educate those individuals interested in creating better retail design. Jeff's speaking engagements continue to include seminars for university centers for national brokerage firms, the International Council of Shopping Centers and other international conference programs.

Jeff has held several positions in the Orange County Chapter of the American Institute of Architects (AIA), including President in 2003. Jeff currently serves as President for the AIA California Council. Jeff is also a member of the International Council of Shopping Centers (ICSC) and the Urban Land Institute (ULI), and is a licensed architect in the State of California. He is a 1981 graduate of the University of Oregon with a Bachelor of Architecture degree.



William Savidge, West Contra Costa Unified School District, C.A.S.H. Vice Chair

As Engineering Officer for the West Contra Costa Unified School District since the summer of 2006, Bill is in charge of its \$450 million facilities reconstruction program. Prior to joining West Contra Costa Unified, Bill managed renovation and construction at the Fremont Union High School

District in Sunnyvale/Cupertino for five years.

Bill is a licensed California architect who owned his own firm in Berkeley until the mid-90's. He started with a large construction management firm in 1995 focusing solely on K-12 facilities. He has worked throughout the Bay Area as a consultant project manager to school districts.

He works closely with Boards and Oversight Committees to translate the arcane world of school construction into straightforward policy approaches leading to successful programs.



David F. Thorman, AIA, State Architect, Division of the State Architect

David Thorman is an architect with over forty years of experience in the design and construction industry, with the majority of his work being in K-12 and community college program/construction management. He was a senior vice president and group leader for 3D/International, Inc., managing their northwest region program/construction management offices. Prior to 3D/International, David managed the northwest region as a regional vice president for Kitchell CEM, Inc.


His career began at CRSS, a nationally recognized architectural, engineering, and construction management company, where he held many leadership positions in architecture, planning, interiors, and program/construction management during his twenty-two year tenure. David is a registered

architect in California and a member of the American Institute of Architects. He is a retired United States Navy Reserve Lieutenant Commander. He lives in Sacramento.

David was first appointed as California's State Architect in April 2005 and was confirmed in February 2006. In March 2007, Governor Schwarzenegger reappointed David to continue serving as State Architect. The Senate Rules Committee voted in favor of David's reconfirmation on August 29, 2007.




Fred Yeager, Assistant Director, CDE/School Facilities Planning Division

Fred has been the assistant director of the CDE/School Facilities Planning Division for the past four years. Prior to that, Fred served as a CDE field consultant for six years, serving the Bay Area and Sacramento counties. Before joining CDE, Fred worked in various Northern California School Districts for 10 years. 

Message From The Chair

Continued from page 2

C.A.S.H. believes that the green schools movement is an idea whose time has come, and we would like to thank Governor Schwarzenegger, Secretary Marin, Secretary Long and State Architect Thorman for their leadership. C.A.S.H. will be conducting a Green Schools Conference in the late summer/early fall of 2008. Stay

tuned for more information on this. Once again, California is out front leading the way, and C.A.S.H. is doing its part. 

Proposed New Energy Efficiency Building Codes

Continued from page 6

(NFRC) label certificate or use the Energy Commission's default values for each product installed. HVAC controls and lighting controls will also require acceptance verification to assure that equipment has been properly installed and is operable.

Schedule

The new Standards are expected to become effective April 2009. Their development will include three phases. The first phase, completed earlier this year, included research and public comment. The Energy Commission is currently in the second phase, developing draft language for the 2008 Standards. The final phase, the formal rule-making process, provides for public comment on the final proposed language for the 2008 Standards and related documents. The Energy Commission expects to complete this third phase in late 2007, with adoption in early 2008. The residential and nonresidential compliance documents and software will follow Energy Commission adoption.

Conclusion

Overall, the draft 2008 Standards will not significantly increase requirements for schools in comparison with the 2005 Standards but will continue to reduce energy use. All new school buildings and modernizations in California must comply with the Energy Efficiency Standards for non-residential buildings, Title 24, Part 6. Title 24 documentation is free from the California Energy Commission (www.energy.ca.gov) and includes the Title 24 Building Energy Efficiency

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December 12, 2007 State Allocation Board Meeting Notes

The December 12 SAB meeting was relatively short, lasting only two hours. The SAB had the minimum number of members necessary (six) to take action on the items on the agenda.

Executive Officer Statement

1. Changes to the Joint Use Regulations requested by the SAB and discussed at the November 2007 Implementation Committee will be brought to the February SAB meeting.
2. The first round of funding for the CTE applications will be brought to the January SAB meeting.
3. The deadline for the first round of funding for the Overcrowded Relief Grant Program is January 31, 2008.
4. Senator Scott questioned if schools were being built that weren't going to be needed due to declining enrollment. The chair stated that the program has seen an ebb and flow of students in the past and the decision makers continue to try to refine the program. Rob Cook stated that recently passed legislation, AB 1014, relates to the declining enrollment issue and implementation of AB 1014 will be forthcoming to the SAB.

Status of Funds

1. After apportioning \$115.4 million in new construction funding, there is \$2.7 billion remaining in new construction.
2. After apportioning \$31.6 million in modernization funding, \$2.75 billion remains.

3. The SAB apportioned almost \$26 million for ERP projects, leaving \$102.5 million. The \$102.5 million includes \$4.2 million the SAB transferred from the Needs Assessment Program to the ERP account.

Deferred Maintenance Program

The SAB has enough funds to pay each district 91.09 percent of its maximum basic apportionment. After setting aside the maximum legal amount (10%) for extreme hardship projects, there is still \$15.8 million in unfunded extreme hardship requests. Dave Walrath, representing the Small School Districts' Association, requested that the SAB use funds such as unused site funds and proceeds from the sale of state relocatables for the unfunded extreme hardship requests.

2008 Construction Cost Index

Prior to January 1, 2005, the base grant adjustments were based on the Marshall and Swift Ten Western States Index. At its March 2005 meeting, the SAB approved using the Marshall and Swift Eight California Cities Index for a period of two years. If the Ten Western States Index were used for 2008, the increase would be 3.19 percent. If the Eight California Cities Index were used for 2008, the increase would be 2.07 percent. The SAB write-up stated that OPSC recommended the 2.07 percent figure. However, at the SAB meeting, OPSC staff stated that based on additional information received the day of the SAB it was recommending the 3.19 percent figure. The SAB approved the 3.19 percent increase for projects approved starting January 2008.

Grant Adequacy Update

The Macias group gave a presentation on the status of their study. Kathleen Moore, representing the State Superintendent of Public Instruction, had several questions about the methodology of the study, the survey instrument, involvement of stakeholders and CDE, and how the study results would be reviewed and analyzed. The chair directed staff to meet with Ms. Moore and discuss her concerns in more detail, let stakeholders know how the concerns that were raised are being addressed, and provide a monthly status report to the SAB. Tom Duffy representing C.A.S.H. asked that the item be scheduled as an action item for the January SAB meeting.

General Site Development Additional Grant

In June 2006 the SAB approved regulations providing an additional grant for general site development for new construction projects that are new schools or additions to existing sites where additional acreage is being acquired. The regulations included a sunset date of January 1, 2008. The item on the agenda recommended that the regulations be extended to January 1, 2009.

Kathleen Moore asked why the additional grant wouldn't be approved on a permanent basis since it is an adjustment to the basic grant. Rob Cook said it was because staff is looking at the grant adequacy issue and this should be part of that review. Ms. Moore did not agree with the reasoning. However, the chair stated that she would vote to extend it one more year and then make it permanent at that time if appropriate. Since there were only 6 members in attendance at the SAB and all 6 votes were needed to take action on the item, Ms. Moore and the other 5 SAB members approved extending the additional grant to January 1, 2009.

Final Adoption of the Proposed

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Change

By *Stephan Castellanos*

The following article appeared in the October 2007 Special Edition – Education issue of the Concrete Masonry Association of California and Nevada CMU Profiles in Architecture.

Stephan Castellanos, FAIA, has been a practitioner in California for 30 years and served as California State Architect from 2000-2005. In practice and in government he has focused on the role architects play as designers and as citizens. Most recently he has sought to alert the profession to the need to change its practices and to work toward a more integrated process for project delivery that improves productivity, enhances outcomes, and creates more sustainable buildings.

In the following article, Mr. Castellanos will discuss the current state of practice and how we all, as partners in the design and construction industry, can profit from increased collaboration. In the recent issue of the Daily Pacific Builder.

I read an article authored by the Los Angeles Unified School District Chief Facilities Executive, Guy Mehula, addressing the rampant and seemingly uncontrollable inflation in construction costs. He spoke about a shortage of contractors, and we all know that, indeed, the shortage of experienced and qualified staff plagues the entire design and construction industry. Mr. Mehula goes on to say that the cost of materials, labor, and construction has increased over 300% in the last five years, while State funding has increased 10% in the same period. LAUSD is requesting, through legislation, that the State address the needs of school districts by ensuring that State matching funds actually reflect the cost of construction.

My question and challenge to all members of the design and construction industry is, do we simply accept this rampant inflation as something that we must live with, or can we look to ourselves, as partners in California's largest industry, to seek real reform?

First, the issue of cost inflation in

design and construction outstripping overall economic inflation has been with us for a very long time. Unlike other service industries, as well as manufacturing, construction has not benefited from the use of technology in a way that improves quality and reduces costs to consumers. In construction we have accepted the notion that external pressures beyond our control add to inflationary pressure. However, every sector of the economy has its own pressures and has learned to not only accommodate them, but also to use them in a way that changes process and adds to their bottom line. Certainly manufacturing an airplane, for example, is different than constructing a building, but there are similarities that we can learn from. The management of suppliers, vendors of all types, schedules and budgets, etc., can be enhanced in much the same way that Boeing reduced its delivery time from many hundreds of days to a few months.

Today major clients across the country are looking to change the design and construction process and are making demands on the industry to join them. The challenge to us is whether we can look beyond historical lines and define new relationships in an industry that has always been characterized by its division and fractiousness. The increased use of new technologies will be called for, but the needed technologies already exist and are being increasingly utilized. However, the solutions rest far beyond new tools. What we as an industry are being called upon to do is to change relationships, to collaborate more and to bring more people, not fewer into this collaborative process. Many say that our legal system does not support or allow this, but we certainly should be able to change it together if we can prove the value and necessity of the change. What is more

difficult is change needed in how we relate to each other as partners. Material suppliers and subcontractors must be more integrated members of the team, and this is beginning to take hold. Contractors, owners, and engineers, as well as end operators will benefit from a redefined, less contentious and more collaborative process. In the end, this integrated process will allow for more accountability, better outcomes, and increased profitability, while controlling the rate of inflation of the products we design and construct.

One word about collaboration; it is not easy. Collaboration is the act of working jointly. In this case the act of working jointly must be defined by clear expectations, arrived at mutually, where risk and reward are shared equitably. We have years of experience to learn from, and then unlearn, as we adopt new methods. It is the will to do so that we must share to accomplish great change. Many are joining in. The associations that represent every sector of our industry are participating, as are colleges and universities who are exploring what our future professionals will need to be effective and valued partners in a redefined industry. Manufacturers and suppliers are also joining in with smarter and more efficient methods, often supported through new technologies, to produce, deliver and install products and components of structures in more efficient and sustainable ways.

Mr. Mehula is addressing an important issue, and in the end, we the people will have to take up the challenge as citizens to continue to fund at higher and higher costs the infrastructure we need to remain competitive. The well is not bottomless, however. The time has already arrived where those who look to our industry are

Continued on page 14

Rosa Parks Elementary School

Corona-Norco Unified School District

Architect: PJHM Architects, Inc.

A warm morning in early July 2007 saw the opening of a school's doors and the honoring of a woman who opened the minds of the people.

Rosa Parks Elementary School is the newest facility in the Corona-Norco Unified School District and was named after the "Mother of the Modern-Day Civil Rights Movement." It is a tall order to design a project that lives up to such an icon as Rosa Parks – but in this new elementary school, the challenge was met, and the building itself will become an icon for the new community that will surround it.

Located in the Eastvale area of Corona, California, Rosa Parks Elementary stands alone for the time being, but will soon be encompassed by new housing developments. The area being served by the school is quickly evolving from a dairy farming center to a

commuter-based residential community. The prominence of the clock tower, adjacent to the sharp inverted gable form of the entry canopy, create a visual landmark and establish a civic presence for the area.

The 10.9 acre school site is located on two crossing collector streets that allow for plentiful off-street drop-off and parking. Special attention to traffic flow as it relates to city streets and on-site vehicular queuing played a major role in the site layout. The north facing wing of the school building divides the paved play areas to define the upper and lower grade exterior learning and play areas.

Rosa Parks Elementary functionally operates under one roof with a total floor area of 84,000 square feet. Assembly use areas such as the Multipurpose, Food Service and Media Center are aligned along the front of the school, which facilitates ease of access during

Continued on page 14



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C.A.S.H. Golf Tournament Tee Bag Donations

C.A.S.H. is now accepting donations for Tee Bag items for the C.A.S.H. Annual Conference Golf Tournament on Monday, February 25, 2008.

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tion, housing and healthcare. Our industry contributes to these problems and to their solutions. Our challenge will be whether we can tear down the processes we have lived with for so long, learn from other industries about technology and improve relationships with all members of the design and construction team through enhanced collaboration. Personally, I am no longer satisfied with the belief that an uncontrollable increase in the costs of buildings is beyond any solution. I want to be part of an industry that produces efficient, high performing, high quality products that improve people's lives. These are the values we produce and the values we should live by. 

Proposed New Energy Efficiency Building Codes

Continued from page 9

Standards, the Nonresidential Alternative Calculation Method Manual (ACM Manual), the Nonresidential Compliance Forms and the Nonresidential Manual.

Additional Information and Assistance

- 2008 Standards proceedings: <http://www.energy.ca.gov/title24/2008standards/index.html>
- Existing 2005 Standards: <http://www.energy.ca.gov/title24/index.html>
- Technical support, Energy Hotline: (800) 772-3300
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Editor's Note

The architect for the school profile on Ronald E. McNair High School in the October 2007 issue of the *CASH Register* was Stafford King Wiese Architects. This information was inadvertently left out of the article.


December 12, 2007 State Allocation Board Meeting Notes

Continued from page 10

Regulatory Amendment and Project Information Worksheet.

The chair asked that this item be postponed to the January SAB meeting to give the staff time to work on issues that were raised by C.A.S.H. and other stakeholders.

Bonding Capacity Impact on Bidding Climate

The SAB did not have time to discuss this item and it will be brought back to the January SAB meeting. 

~C.A.S.H. Staff

Change


Continued from page 11

demanding that we look to ourselves to fix this problem. The problems we face as a society are enormous and much of the success we hope for rests in how we will address the development of our communities and the infrastructure they depend on. We do possess great resources, and those same resources are being stretched as more is added. We need to address issues as critical as water supply, air quality, energy, transporta-

Rosa Parks Elementary School

Continued from page 12

school-session and after-hours use. Also located along the front of the school are the Administration and Kindergarten areas, for ease of access for visitors and excellent supervision of the child drop-off areas. The classroom groupings are expressed as three radiating wings containing lower, middle and upper grades. Each grouping consists of ten classrooms, student restrooms, staff offices, staff workroom, staff restrooms and storage areas. Central to these wings is the technology classroom that will be utilized by all grade levels.

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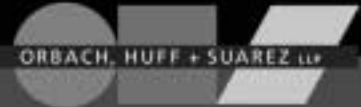


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