

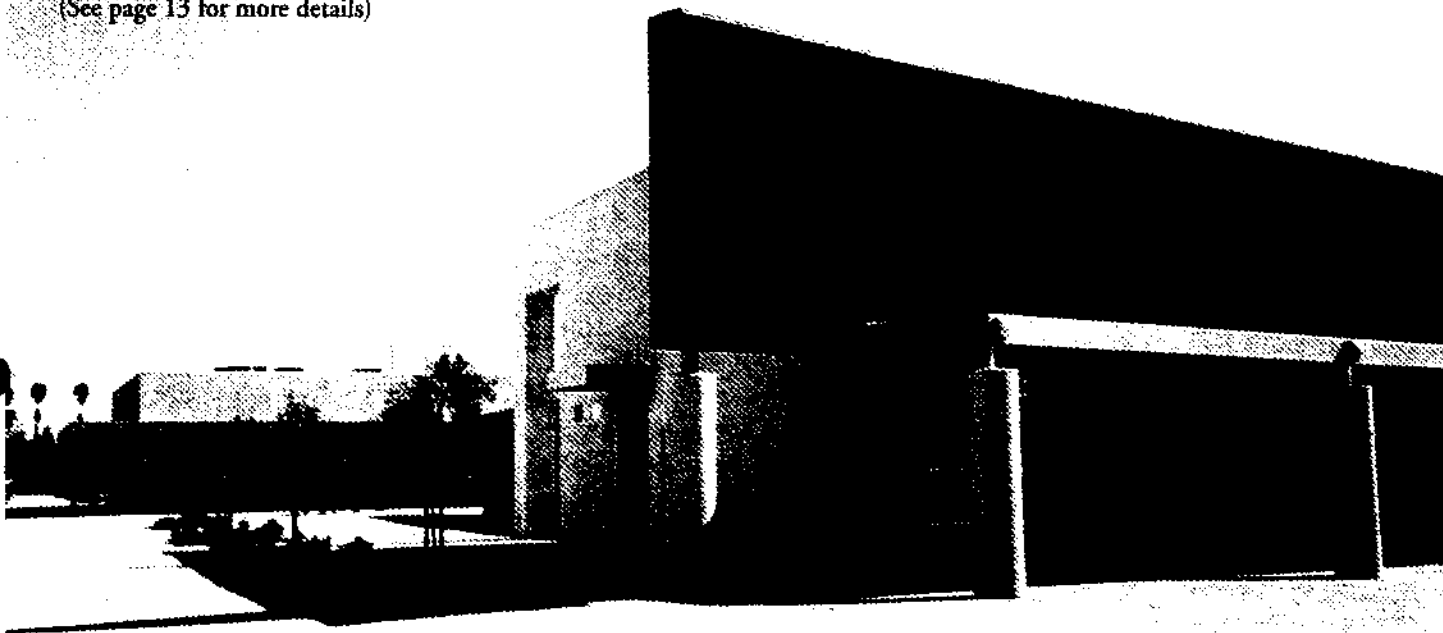


REGISTER

THE NEWSLETTER OF THE COALITION FOR ADEQUATE SCHOOL HOUSING

La Sierra High School Addition

(See page 13 for more details)



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Message from the Chair



Kathleen Moore Baratta, C.A.S.H. Chair

As I sit down to write my monthly message, I am struck by the fact that our struggles and triumphs as an organization are so pale in light of the September 11th tragedies. I hope that each of you has drawn strength and comfort from your families, friends and colleagues. C.A.S.H. donated \$1,000 to the American Red Cross for disaster relief through Robert Half International which is matching all donations.

We are all reminded of the importance of community at this time. C.A.S.H. is a community of interests

that had very clear objectives over the last few months – to pass a March 2002 bond measure out of the legislature and to have our day in court concerning the State Allocation Board's authority to implement the priority point system in December of 2000.

I remain optimistic for a school facilities bond measure in 2002; however, I am deeply disappointed that the Legislature and other interests in California could not agree to a March bond. I believe C.A.S.H. as an organization played a pivotal role in moving the bond process along to the brink of passage. Our lobbyist, Tom Duffy, spent long hours working with the Los Angeles representatives trying to fashion a compromise that met C.A.S.H. objectives to fund the backlog, to eliminate priority points and to secure future funding for modernization and growth projects. Thank you Tom for all your hard work. The many letters and phone calls that C.A.S.H. members made to their legislators has heightened the awareness of the priority rationing system as one that is not serving the interests of many districts throughout the state. Thank you for keeping your legislators informed. This organization will have many challenges ahead to secure a November 2002 bond, and I

believe we are again ready and up to the task.

We also received the news this week that the Los Angeles Superior Court did not rule in our favor on the C.A.S.H. lawsuit. The Motion for Writ of Mandate and Declaratory Relief Petition was denied. Again, we are disappointed for both the decision and the deliberate delay tactics by other interests on this important case. The upside in this process is the awareness of the members of the Legislature regarding the facility crisis and the need to fund the entire backlog of modernization and new construction projects. The lawsuit helped achieve this awareness.

So, it has been a tough September. Yet, as we remain strong as a Country, we also remain strong as an organization. We will continue to press our case before the Legislature and the people of California when it becomes time. I am continually amazed by the wealth of knowledge within our organization and the ability of our members to build the necessary coalitions to achieve our objectives. In each of the setbacks of the past few months we have gained experience and insight from which to build our case in 2002. I look forward to the challenge. ■



REGISTER

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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.

Statewide Bond Issue Put Over

Close, but not close enough. Despite the best efforts of many parties to craft a statewide school bond proposal in the closing days of the last legislative session, it was impossible to develop a compromise acceptable to both Legislative Houses and the Administration. (See the C.A.S.H. website for a detailed summary of a two-bond deal worked on in the closing days of the session.)

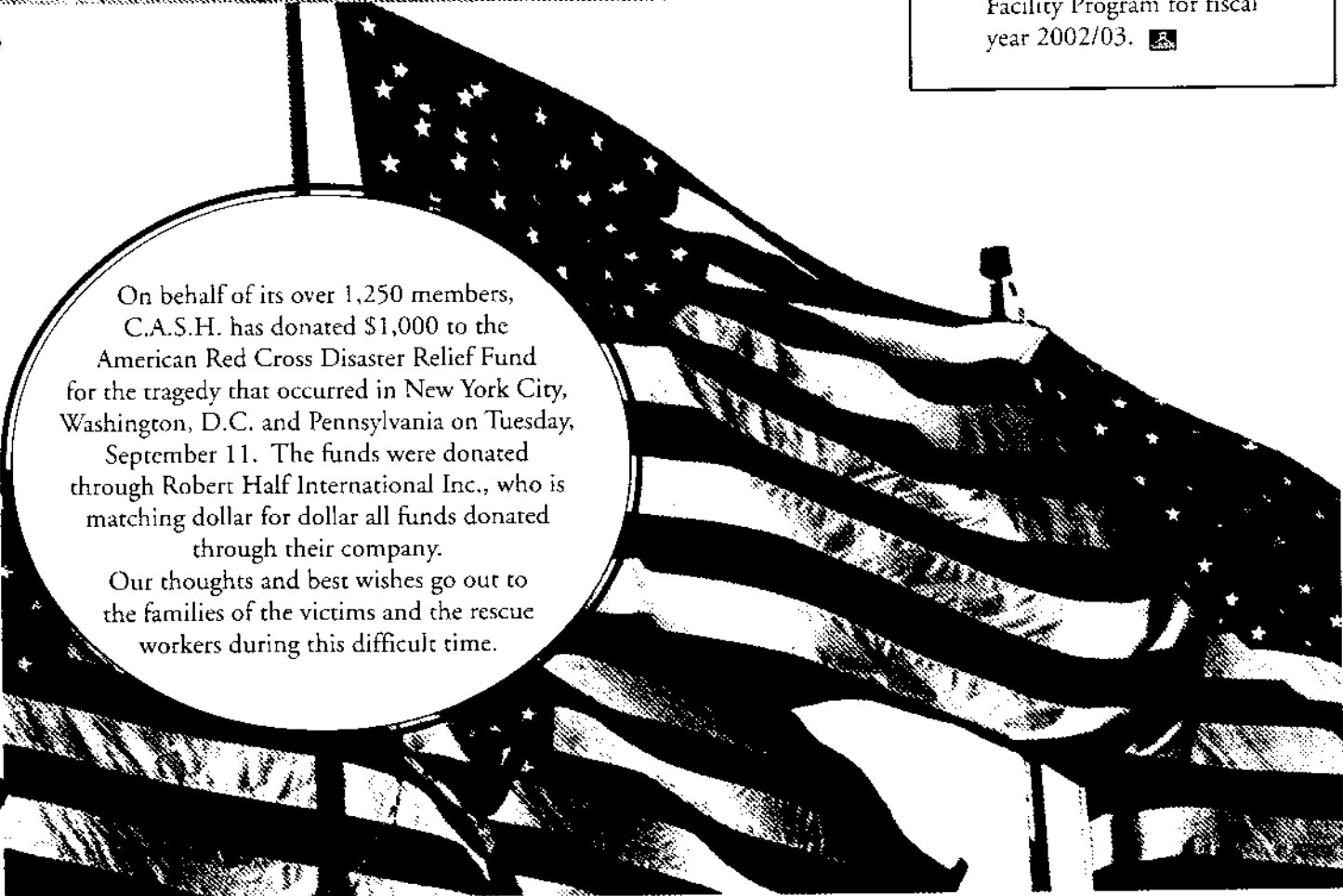
Unless the issue of a statewide school bond is somehow tied to the special

legislative session for energy (a long shot prospect), further debate and discussion on a bond for next year must wait until January 2002. Most likely a 2002 statewide bond or bonds will be scheduled for the November 2002 election.

The C.A.S.H. Board wishes to thank those who provided input to staff and the Legislative Committee regarding specific provisions of a bond for 2002. 

— Jim Murdoch

Contribution to the American Red Cross




On behalf of its over 1,250 members, C.A.S.H. has donated \$1,000 to the American Red Cross Disaster Relief Fund for the tragedy that occurred in New York City, Washington, D.C. and Pennsylvania on Tuesday, September 11. The funds were donated through Robert Half International Inc., who is matching dollar for dollar all funds donated through their company.

Our thoughts and best wishes go out to the families of the victims and the rescue workers during this difficult time.

State Allocation Board Actions

The State Allocation Board took the following actions at its September 26 meeting:

- Adopted consent agenda item allocating \$121 million in funding for new construction projects.
- Adopted a resolution honoring Phil Shearer, who is retiring from the Office of Public School Construction after 26 years of service.
- Reserved funds to insure adequate funding of State Administration of the School Facility Program for fiscal year 2002/03. 

A Constructability Review is Compatible with New State Funding Procedures

By Chuck Wing

A recent paradigm shift in the way that OPSC funds the planning and construction process has brought increased attention to the practice of constructability reviews.

This shift will likely bring a significant change to the planning methodology employed by school districts across the state as they look to the potential of a successful State bond election for funding facilities development. Thus, it is an opportune time to assess the role of constructability reviews in the planning process.

School districts seeking to build or modernize facilities from newly obtained State bond funds will discover significant changes brought about by amendments to the Education Code in 1998.

One significant change is that OPSC will no longer reimburse districts for change orders incurred during a project.

Formerly, districts could receive reimbursements up to 10% of the total project cost for change orders submitted after the

completion of the project.

Carol Shellenberger, special assistant to the Interim Executive Officer of OPSC, points to the 1998 change in the Education Code that eliminated the automatic reimbursement for change orders. "Instead of reimbursement for change orders, the state now allows 50% matching funds for school construction." These matching funds may be used to offset the cost of a constructability review.

Districts may request that architects provide a constructability review as a part of their services, or they may seek an independent third party review of plans. Optimally, the school district, architect and the third party doing the review should work in partnership to ensure the efficiency, bidability, and buildability of the project and the plans.

What is the purpose of a constructability review?

A constructability review is a comprehensive analysis of all related factors to the feasibility of a project.

The purpose of the review is to

determine the final cost of a project before it begins by providing accurate scope and specifications, thus bidability, to the project. In addition,

detailed plans and specifications help avoid the time delays from excessive

RFI's and change orders once the project is underway.

Mahendra Mehta, S.E. from DSA suggests that "a constructability review by those with a knowledge of cost and construction industry practices has significant value in ensuring the plans and specifications developed by an architect are efficient and buildable."

He suggests that school districts may want to use "an experienced building inspector, in whom they have confidence" to assist them with a constructability review during the design process. He also suggests that a constructability review should be a collaborative effort between the school district, architect, the party completing the review, and DSA. To this end, DSA offers pre-design meetings to provide guidance to school districts preparing for construction. He also recommends that a constructability review be completed prior to, instead of after, submitting plans to DSA back check. This timing minimizes redundancy and time delays since DSA must review and approve all changes that occur as a result of a constructability review.

Is a constructability review cost effective?

The State has chosen a pro-active method for saving money on school construction costs. Previously, on a 40 million-dollar high school the state would have reimbursed up to 4 million dollars in change orders. Under the new guidelines, a constructability review costing \$100,000 would be 50%

School districts seeking to build or modernize facilities from newly obtained State bond funds will discover significant changes

reimbursable. If the constructability review is effective in eliminating hidden costs, change orders and time delays, the overall cost savings on the project to the district will be significant.

When is a constructability review necessary?

Virtually every project can benefit from a constructability review. Determining the scope of the review is essential for each project. Ken Doyle, Facilities Director, Rim of the World Unified School District believes that each school district needs a solid set of construction documents (plans and specifications) for each and every project to protect their interest. "Some school districts falsely assume that their architect, general contractor or the state has responsibility for the risk (cost and time) involved in completing their project." He further cautions however, "that districts and parties conducting a constructability review must not take away the role and responsibility that properly belongs to the architect." He concurs with the notion that a constructability review is most effective when completed in the early stages of the project planning process and that it should be a collaborative effort from all participants.

Anthony DePaola, CSI of tBP/Architecture had the following comments about the value of a constructability review: "A modern educational facility requires the architect to coordinate information from a variety of consultants that must meet stringent local, state and federal guidelines. The architect therefore must have a strong quality control system to coordinate the documents. An additional careful review of the documents ensures that coordination items that are sometimes overlooked are "caught", thereby saving

Virtually every project can benefit from a constructability review. Determining the scope of the review is essential for each project.

potential conflict that may lead to costly change orders. A constructability review performed by competent checkers has the potential of major cost savings to a project."

What are the components of a constructability review?

Each of the following components represents a significant potential cost or time factor in a project that should be addressed before the beginning of construction. As you contemplate your next project it will be beneficial to consider each of the planning and development tasks listed below and determine who on your team is responsible for accomplishing them.

- Review Property Title Report Documents
- Review Mitigation Monitoring Program for Mitigative Negative Declaration
- Review Environmental Impact Report and CEQA Documents Including Seismic and Fault Hazard
 - Review Phase 1 or DTSC Report
 - Review Storm Water Pollution Permit Plan
 - Review Soils Report and Recommendations
- Review Off Site Utilities and Accessibility
- Review the DSA Plan Check Comments
- Review the Districts Comments
- Cal/OSHA Title 8, Energy Conservation Standards Regulations, ADA and other applicable codes and regulations


Districts and parties conducting a constructability review must not take away the role and responsibility that properly belongs to the architect.

Establish a written Schedule to complete:

- Interdisciplinary Coordination Checks
- Drawing Checks
- Specification Checks

When was the last time you heard about a project that was within budget and on schedule? The State

is clearly seeking to provide leadership by encouraging school districts to become more pro-active during the planning process. Mike Vail, Executive Director of Facilities with the Vista Unified School District

summed up the topic of constructability reviews this way. "A constructability review simply makes good sense if a project is going to be completed with a minimum of delays and change orders." 

Chuck Wing is with Team Concept Development Services, Inc. in Oceanside California.

Additional reading on the subject of Constructability can be found at C.A.S.H.'s Facilities Resource Center (www.cashnet.org) under:

2.2.5. "School Construction Project Responsibility," School Facilities Planning Division, California Department of Education, 1999, 4 pages
 "The department has prepared recommended strategies to help ensure school district construction projects are successful. The purpose is to provide information that may help in the administration of a school construction project."
 Availability: C. Link to source <http://www.cde.ca.gov/facilities>

2.2.9 "Errors and Omissions," Gary I. Vinson, Esq., Grove, Clifford, Wengel and Panas, LLP; Michael Rainforth, Rainforth Grau Architects; and Sherry Gongaware, Tracy Unified School District, March 2001, 8 pages.
 "The presenters discuss errors from (1) understanding legal terminology (2) legal terminology and (3) standards of professional care.

21st Century Schools Sit At Core Of Communities

[Note: This abridged article is reproduced with the permission of the American Institute of Architects.]

Modern schools are designed to be stimulating, engaging and dynamic centers of their communities. They are exciting, interactive environments that provide all segments of the community with opportunities for lifelong learning. Today's school, like a new version of the old town square, sits at the core of a community, serving as both a cultural and educational focal point.

Since learning is a lifelong process, the design of a school must be flexible. A school needs to foster evolution and encourage progress.

The quality of the learning environment directly affects student achievement. A safe, welcoming modern school is the key to student success. Schools with adequate classroom space


and modern technology enhance the learning and disciplinary experience and prepare children for productive roles in life.

Computer and media labs with Internet hookups allow students to access information from all over the world. Buildings that incorporate solar heating, natural light and large glass walls and windows create freedom of movement and an open, uninhibited feeling. Good design insures that our schools facilitate learning, promote interaction and enhance the lives of all community members.

The modern school needs to be designed for community use. A successful school fosters community participation and interaction because it serves the leisure, recreation and wellness needs of the community.

The modern school facilitates access

to communications technology and encourages parent and community involvement. The majority of schools currently in use were designed to serve as stand-alone instructional facilities where community access is limited rather than encouraged.

It is essential that the modern school be designed to benefit and provide for the community as a whole. 

C.A.S.H. Monthly Meeting

C.A.S.H.'s Board of Directors wants to make sure all C.A.S.H. members, particularly those who are new to the organization, know about C.A.S.H.'s monthly membership meeting, which is held in Sacramento. The membership meeting is held on the fourth Wednesday of every month – the day the State Allocation Board meets.


The meeting is held each month from 11:00 a.m. to 12:00 p.m. at the California Chamber of Commerce, California Room located at 1215 K Street, 14th Floor.

The meetings include brief but topical presentations on various subjects about school construction. Presentations include a legislative update, updates from the Office of Public School Construction, the Division of the State Architect, and the Department of Education. See page 14 in this issue for the minutes

from the September 26 meeting and the agenda for the October 24 meeting.

Attendance at the meetings is a great opportunity to find out about behind-the-scenes work and discussions about potential regulations before they are drafted.

Anywhere from 100 to 150 C.A.S.H. members regularly attend the monthly meetings. They are some of C.A.S.H.'s most active members who have an incredible amount of expertise on all aspects of school construction, and accordingly represent a great resource for members new to the organization.

The Board encourages all C.A.S.H. members, but particularly those people who are new to the organization, to stop by our monthly meeting and participate. 

- Jim Murdoch

C.A.S.H. WELCOMES THESE NEW MEMBERS

(As of September 30, 2001)

Affiliated Organizations

Concrete Masonry Assn. Of CA & NV
Vilas Mujumdar

Architects

Aspen Street Architects Inc.
Lynne Scott

Calpo Hom & Dong Architects
Loangle Newsome

Mark J. Paone AIA
Mark Paone

Nadel Architects Inc.
Helen Watts

Consultants & Planners

Margaret Brown Consulting
Margie Brown

Construction Managers

Alamar Construction Inc.
Sue Jan McGrath

Critical Solutions Inc.
Lisa Kudlik

Contractors & Developers

JTS Modular
Louis Varga

Environmental/Toxics Consultants

Haley & Aldrich Inc.
Denise Clendening

Licensed Professionals

Architerra
Gary Waters

Thornton-Tomasetti /
Coil & Welsh Engineers
Stephanie Welsh

School Districts

North Orange County Regional Occupational
Program
La Tanya Kirk-Carter

Technology/ Telecommunications Consultants

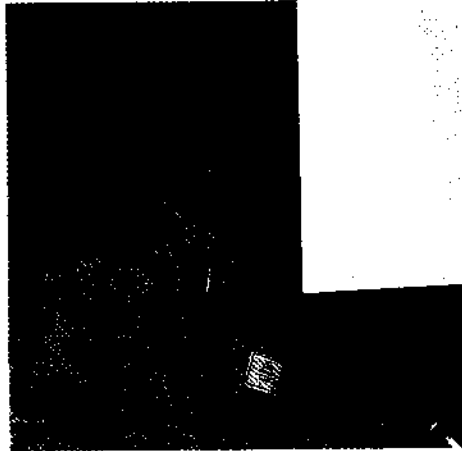
Expanets
Heather Fulton

State Provides School Building Program Overview

“It seems onerous; it seems it’s becoming more and more complicated in spite of our efforts to simplify it.”

Tom Payne of the School Facilities Planning Division was talking about school site acquisition when he made this comment at a Sept. 18 workshop in Redding sponsored by the Shasta County Office of Education and the Coalition for Adequate School Housing. The workshop was repeated in Tulare County on October 3.

As an example, Payne cited draft regulations now under review that would require an inventory of pipelines within 1,500 feet of proposed school sites. The certification process would require data about the size and type of line and the commodity transported, the date of its construction, the pipeline pressure, its inspection record and the



Chip Smith, Division of the State Architect

proximity to an earthquake fault.


Yet the whole process, even with ever-growing requirements, revolves around selecting “a safe and educationally adequate site,” Payne assured workshop attendees.

The backdrop for the conference was the news that a statewide school construction bond issue wouldn't be on

the ballot until at least November 2002. Despite uncertainties about future statewide bonds, Colette Rhodes of the Office of Public School Construction urged school districts to keep their funding applications coming.

“We need to continue to show a need for the money so we can get these bonds passed,” Rhodes said.

While the Division of the State Architect is required to review proposed school projects for structural safety, fire and life safety and accessibility, DSA review isn't required for off-campus administrative buildings, maintenance projects, minor alterations and small projects such as fences.

But Chip Smith of the DSA noted that projects in the latter category still must meet the local building code. 

- Jon Engellenner

For further information, consult these web sites: School Facilities Planning Division, www.cde.ca.gov/facilities/ Office of Public School Construction, www.dgs.opsc.ca.gov Division of the State Architect, www.dgs.ca.gov/dsa



C.A.S.H. Chair Kathleen Moore Baratta and Tom Payne, California Department of Education – School Facilities Planning Division



(l to r) Penny Baltikauski, Collette Rhodes, and Sally Lemanager, Office of Public School Construction

Geoexchange Surfaces As New Heating, Cooling Source

As long as energy was cheap, the heavy use of air-to-air heat pumps seemed like a sensible way to keep people comfortable in offices and schools. But with escalating energy costs and uncertain fuel supplies, facility managers need a more down to earth approach, according to presenters at a C.A.S.H. workshop in Redding.

Geoexchange systems, which reach underground to help heat and cool buildings, were the focus of the Sept. 18 session in Redding sponsored by the Shasta County Office of Education and the Coalition for Adequate School Housing. The session was repeated in Tulare County on October 3.

At the heart of geoexchange is the ground loop, which relies upon even-keeled subsurface temperature – in the mid-50s – rather than above-ground air, which may vary from below freezing to above 100 degrees. A reversing valve sends overheated refrigerant water into the ground in summer and pulls heat from it in winter, according to David N. Anderson, executive director of the Association for Efficient Environmental Energy Systems (AEEES) in Davis.


Anderson said geoexchange is something business, industry, homeowners and school officials can no longer ignore because “our supply of energy worldwide is in jeopardy.”

Craig Hoellwaerth of Green Inq. told conference participants that geoexchange is “the most environmentally friendly system.” He cited the

following from the list of current geoexchange users: Riverside Unified School District, Feather River College, the former Arco Arena in Sacramento and the Sacramento Housing and Redevelopment Agency.

Under construction at Trinity High School in Weaverville is a geoexchange project that will replace a 30-year-old heating system, according to Larry Alles, Trinity UHSD maintenance

supervisor. Installation involves drilling 82 holes to contain the ground loops. The holes are 4 inches in diameter and more than 300 feet deep.

The new system will enable the school to get rid of aging boilers and associated maintenance, exhaust emissions and a 10,000-gallon in-ground diesel fuel tank. In the bargain, the school will have air conditioning for the first time and an expected annual energy savings of \$70,000, Alles said. 

– Jon Engellenner

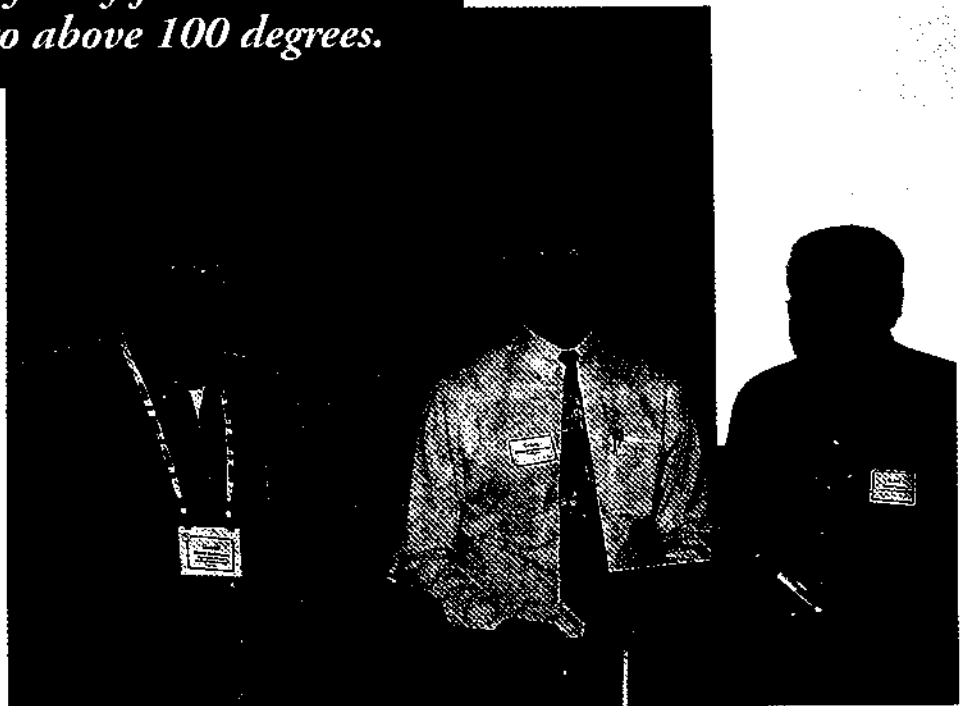
For further information, consult these sources.
Larry Alles, Trinity Union High School District,
(916) 623-6104

David N. Anderson, AEEES,

geahp@concentric.net

David Smith, Weaverville Elementary School,
engineers@tcoe.trinity.k12.ca.us

At the heart of geoexchange is the ground loop, which relies upon even-keeled subsurface temperature – in the mid-50s – rather than above-ground air, which may vary from below freezing to above 100 degrees.



(l to r) Dave Anderson, Association for Efficient Environmental Energy Systems, Craig Hoellwaerth, Green Inq., and Karl Fisher, L. Karl Fisher & Associates

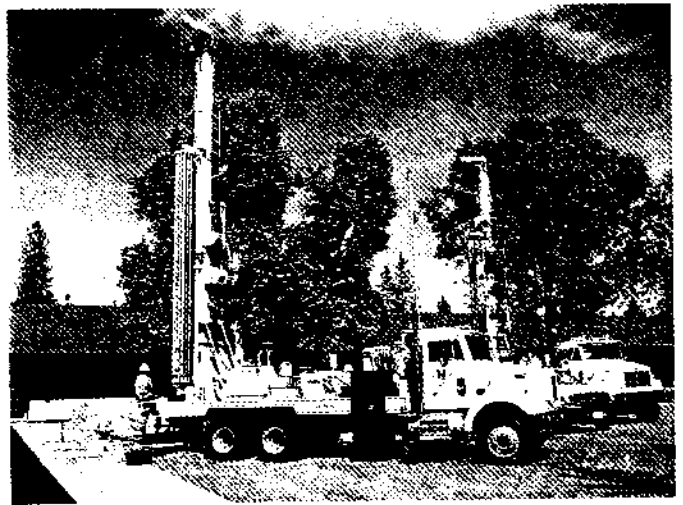
Trinity Unified High School District

Description of geoechange project:

- Eighty-three bore holes were drilled in July 2001 – each bore hole is 312 ft. deep
- Three-quarter inch Polyethylene pipe with U-bends were installed in the bore holes
- Thirty geothermal heat pump units will be installed in the summer of 2002
- The units will be hooked up to the pipes in the bore holes with supply and return header pipes
- The thirty units will produce about 75 tons of heating and cooling
- A new sprinkler system was installed under the replaced sod in the front lawn
- After the drilling, the area in back was reseeded
- New concrete walks were poured where the existing walkways had been removed to install supply and return lines
- The geoechange system will be monitored for energy efficiency throughout 2003



View of header ditch leading to school building (a header ditch is where the loop pipes placed in the bore holes are connected to a header pipe which in turn is connected to the geothermal heat pump unit in the building)



Two GeoLoop drilling rigs on the front lawn were used to drill the 312 ft. bore holes



Back yard of Trinity High School in the area of loop installation which has been graded pending reseeded



The front of Trinity High School with new sod installed on the lawn

Elements Of A Successful School Bond Are Outlined

Under Proposition 39, school districts seeking voter approval of general obligation construction bonds must list the specific school facilities projects to be constructed, but how specific must the ballot measure be?

A "reasonable standard" is acceptable and the words "but not limited to" might be included in the ballot material, panelists at a C.A.S.H.-sponsored school bond workshop suggested. It also may be advisable to make the project list long enough to accommodate unanticipated interest or state funding.

"It's a balancing act. You don't want to be so conservative that you shoot yourself in the foot," commented


Jeffrey Baratta of Stone & Youngberg LLC, a workshop panelist in Sacramento.

Bill Kadi, attorney with Jones Hall, predicted that despite its limitations on the scope of projects, most school districts will utilize Proposition 39, approved by California voters in November 2000. The measure reduces the required percentage of affirmative votes to 55 percent from the 66.7 percent previously required.

He also noted that it is illegal for districts to use "their resources to advocate a position." This doesn't preclude, however, an active district information campaign, one that cites proposed improvements at each school site. District employees, it was noted, may work on bond campaigns as long as it is on their own time and doesn't utilize district resources, such as facilities, equipment or funds.

"What is it that you're going to do at each school site? The voters will want to know that," said panelist Larry Tramutola, a campaign and polling

consultant. Critical to the process is bringing all segments of the school community on board early. This includes, Tramutola said, "people not usually in the school circle of friends."

Since Proposition 39 limits the size of bond issues, it means shorter bond election cycles. As part of their ongoing image-building, school districts must provide the public with clear financial accounting of what's been built with bond money, according to Roger Orazo, who directed Clovis Unified School District's successful \$79 million bond issue on March 6. 

- Jon Engellenner

For further reading, consult the C.A.S.H. Facility Resource Center at www.cashmet.org

- 1.6.12 "Innovative Approaches to Financing School Construction"
- 1.6.20 "Bond Issue Basics for Beginners"
- 1.6.28 "Proposition 39 Best Practices Handbook"
- 1.6.18 "School District Bond Elections"
- 1.6.24 "Proposition 39 Workshop Resource Manual"
- 1.6.31 "Election Dates in 2001-2002 for School District General Obligation Bond Measures"



(l to r) Bruce Kerns, Stone & Youngberg LLC, Bill Kadi, Jones Hall, Addison Covert, Kronick Moskovitz Tiedemann & Girard, Mike Vail, Vista USD, and Gordon Ito, Santa Ana USD. Not pictured is Larry Tramutola, Tramutola Company



(l to r) Larry Tramutola, Tramutola Company, Jeffrey Baratta, Stone & Youngberg LLC, Roger Orazo, Clovis USD, and Bill Kadi, Jones Hall

C.A.S.H. Workshop Provides Construction Contract Pointers

What are the best ways to avoid construction contract problems? That was the question before a panel at recent Coalition for Adequate School Housing workshops in Sacramento and Ontario.

The answers came from three perspectives: a school district, a law firm and a construction company. Panelists in Sacramento were Ineda Adesanya, facilities director of the Oakland Unified School District; Marilyn Cleveland, attorney with Miller Brown & Dannis, and Rich Henry of McCarthy Building Companies.

Adesanya offered these hints to school districts:

- Have one person dedicated to the bid process so that contractors and bidders have a consistent contact.
- Provide proper training for the person taking bid documents – one who can spot unqualified contractors.
- Have a written bid protest procedure.

Cleveland suggested prequalifying bidders whenever possible. Otherwise, she said, time-consuming due process hearings can eat away valuable construction time.


A designated district person should be watching the flow of change orders, she added, and claim problems should be dealt with as they come up. "There's less incentive to deal with them after the project's done," she said. "Unfortunately, many contractors see this as a way to make money at the end of the project."

Her advice: "Document, document, document" those claims along the way. Henry provided a checklist of ways

to prevent claims, noting that "changing your mind halfway through the contract will certainly bring on claims:"



(l to r) Rich Henry, McCarthy Building Companies, Marilyn Cleveland, Miller Brown & Dannis, and Ineda Adesanya, Oakland USD

- Good planning
- Proven design concepts
- Constructability
- Peer review
- Clear definition of work
- Realistic budget and schedule
- Contingency plan (Murphy's Law)
- Fair contracts. 

- Jon Engellenner

For further information, consult these topics at C.A.S.H.'s Facility Resource Center at www.cashnet.org

- 3.2.5 "Informal Bidding Projects or Projects Less than \$75,000"
- 3.3.2 "Preconstruction Meeting Project Checklist"
- 3.3.8 "Top Ten Ways to Screw up a Construction Project"
- 3.2.2 "Legal Issues for Prequalification of Bidders and Subcontractors"
- 3.4.1 "Owners Role during Construction"
- 3.4.2 "School Construction Project Responsibility"

AIA Cites Nationwide Need For School Modernization

Nationwide, at least \$200 billion is needed for school infrastructure improvements.

Each day, parents send 15 million school-age children to substandard facilities.

The average public school is 42 years old.

These are among the points in the American Institute of Architects' school modernization position, issued in support of H.R. 1076, "America's Better Classroom Act."

"One in three schools across the country is in serious disrepair or suffering from extreme overcrowding. The AIA urges Congress to pass legislation that will provide tax credit bonds for school modernization and renovation," the AIA's issue brief states.

"Tax credit bonds emphasize federal support – rather than federal control – for local school districts requesting assistance."

Other points emphasized by the AIA:

- Two million California school-children attend classes in portable classrooms.
- Florida has 16,000 portable classrooms.
- Attractive, well-designed schools communicate respect, enhance discipline and increase student achievement.
- Often, the local school facility also serves as a community center, integrating all segments of the surrounding community.



For further information, visit the AIA website at www.aia.org

23rd Annual Conference on School Facilities

DOWNTOWN, EVERYTHING'S WAITING FOR YOU

February 25 - 28, 2002
Sacramento Convention Center/Hyatt Regency Hotel

CONFERENCE REGISTRATION FORM

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TITLE

DISTRICT/COMPANY (As you want it to appear on your name badge)

ADDRESS

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2002 Annual Conference Registration Fees

On or before February 1	After February 1	Registration Fee	\$ _____
Full conference registration fees:		Full conference registration fees:	
Member \$655*	Member \$755*	School Tour Fee (\$50)	\$ _____
Non-Member \$755	Non-Member \$855	Total	\$ _____
One day conference registration fees:		One day attendees, please indicate which day you will attend:	
Member \$340*	Member \$440*	_____	_____
Non-Member \$440	Non-Member \$540	_____	_____

- Please check here if this is your first time attending a C.A.S.H. Annual Conference
- Please check here if you request vegetarian meals
- * C.A.S.H. Membership is by school district, county office, or company; not by individual. Any employee of a member school district, county office or company may attend at the member rate.

Cancellation Policy

- Before February 1 Full Refund
- Between February 1 - February 8 \$75 Fee
- After February 8 No Refund

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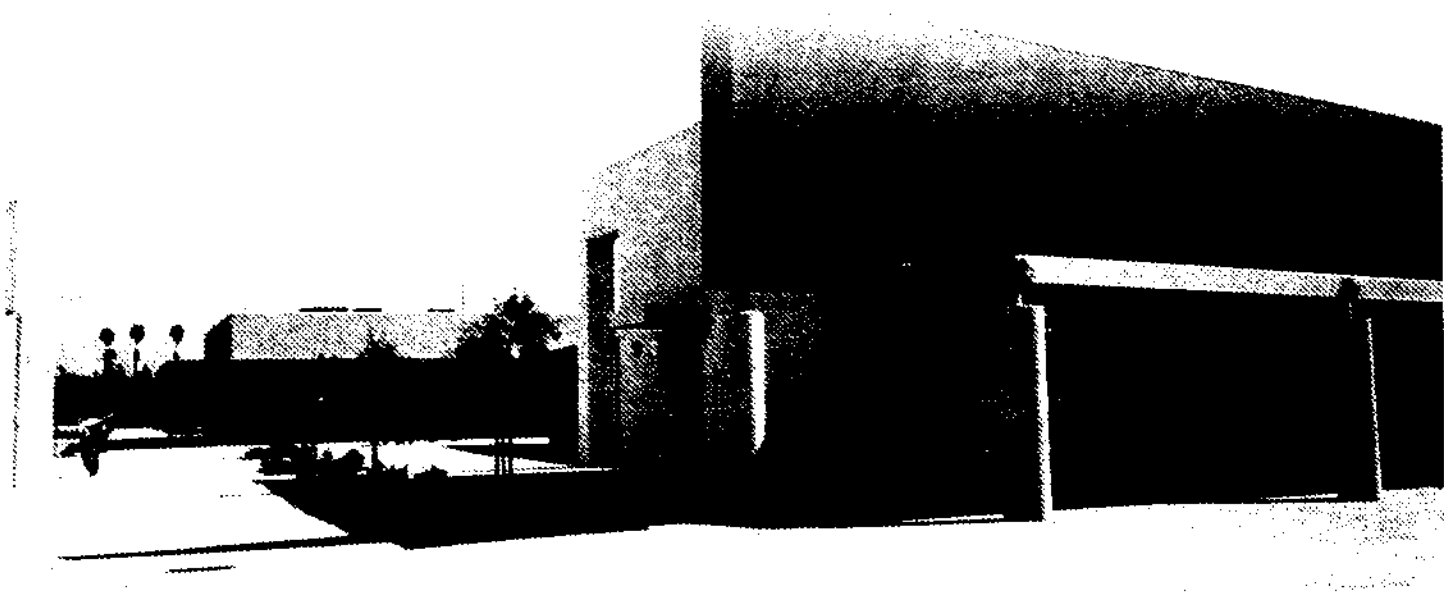
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La Sierra High School Addition

The new addition is the first phase of a master plan for adding to and modernizing the school. The addition project started May 1998 and was completed in May 2000. Modernization began in May 2000 and is scheduled for completion August 2001.

The 380 seat performing arts building is probably the most noticeable building on campus because of its size and location in front of the school, but other parts of the new addition are just as impressive and long awaited.

The new gymnasium addition includes restrooms, coaches' offices, team locker rooms, a weight room, equipment storage areas, and other areas for physical education instruction.

The new science and technology labs provide exciting state of the art learning environments. Incorporating available technology into the classrooms and planning for the future was part of

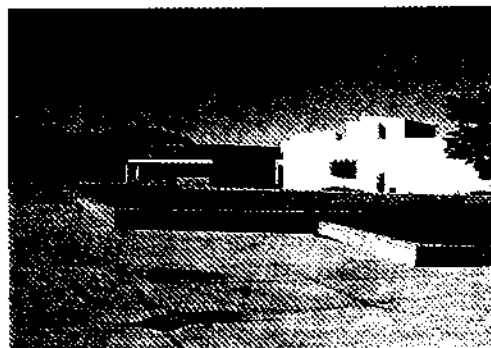
The new addition project is 60,500 square feet. The completion date was May 2000. Additional student capacity is approximately 700 Grades 9-12. Cost: \$16 million; Architect: HMC Architects; Construction Management: Neff Construction

the overall master plan. Eight new tennis courts were also included.

The new administration




other work areas for staff. The fast track summer phases included the relocation of existing



building provides additional office space for attendance, guidance, conference rooms, a staff lounge, as well as

portables and addition of a new staff parking lot. The summer of 1999 was critical to the construction schedule. Renovation of the student parking lot, as well as a considerable amount of site work, was completed before students returned in September 1999.

Any questions or comments related to new construction or modernization projects should be directed to Alice Murphy, Facilities Planner at (909) 509-5008. 

C.A.S.H. MONTHLY MEETING MINUTES

– September 26, 2001 –

C.A.S.H. Chair Kathleen Moore Baratta called the meeting to order at 11:00 a.m.

Kathleen noted that C.A.S.H. had donated \$1,000 to the American Red Cross for the New York Disaster Relief Fund.

LEGISLATIVE REPORT – Tom Duffy

Tom thanked everyone for attending the meeting. He noted that a bond measure did not make it out of the Legislature before the end of the session. Tom briefly detailed the proposal that had been presented. Tom reported on a bill authored by Assembly Member Cardenas that did not make it out of the legislature.

Kathleen thanked Tom for his work with Los Angeles USD on developing the proposal.

ARCHITECT'S COMMITTEE REPORT – Dennis Dunston

Dennis noted that the model owner/architect agreement is currently being reviewed by the legal advisory committee. A draft version will be available sometime in October. The architects' committee will meet during the Fall Conference in Costa Mesa. The committee is working with OPSC on the cost estimate form.

ANNUAL CONFERENCE PLANNING COMMITTEE REPORT – Eric J. Hall

Eric noted that the committee is still busy at work. Hotel reservations are at 80%. 1 of the 2 moderator training workshops has taken place in Pasadena. The next one will be on October 24 in Sacramento. The Conference registration forms are now available.

CAL FED REPORT – Emily Kozak

The trip to Washington DC has been cancelled. The trip will not be rescheduled. They are working on dates for the Spring 2002 trip. There will be a general membership meeting on October 11 during the Fall Conference.

CALIFORNIA DEPARTMENT OF EDUCATION REPORT – Jim Bush

Jim reported that the draft EMF policy would be shared at the Urban School District Committee meeting. Jim thanked Fred Yeager for his work with the Bond Conference Committee. CDE is working with San Diego USD regarding the issue of pipelines and setback of pipelines.

IMPLEMENTATION COMMITTEE REPORT – Dave Zian


The next meeting of the Committee will be on Friday, October 5 in Sacramento. Dave gave an overview of the meeting agenda topics.

OFFICE OF PUBLIC SCHOOL CONSTRUCTION/STATE ALLOCATION BOARD REPORT – Dave Zian

Dave noted that Friday is the deadline to submit applications for the December quarterly disbursement. A total of \$124 million would be disbursed at the September meeting. Dave noted the backlog of unfunded projects for modernization, new construction and hardship. Dave gave a brief overview of the upcoming agenda.

Tom Duffy gave an update on the C.A.S.H. lawsuit. At a recent hearing the judge listened to oral arguments from both sides. The judge said he would take the comments under advisement and he would get back to both sides. No further hearing dates have been set.

Kathleen reminded the group that the retirement event for Phil Shearer would be held after the SAB meeting.

The meeting was adjourned at 11:40 a.m. 

C.A.S.H. MONTHLY MEETING AGENDA

Esquire Building
1215 K Street, 14th Floor
California Chamber of Commerce
Meeting Room
Sacramento, CA

Wednesday, October 24, 2001
11:00 a.m. to Noon

1. **Introductions**
Kathleen Moore Baratta
2. **Legislative Report**
Jim Murdoch
3. **C.A.S.H. Architects' Committee Report**
Dennis Dunston
4. **C.A.S.H. Annual Conference Planning Committee Update**
Eric J. Hall
5. **CAL-Fed Update**
Emily Kozak
6. **California Department of Education Update**
Jim Bush
7. **Division of the State Architect Update**
Patricia Heerhartz
8. **Implementation Committee Update**
Dave Doomey
9. **Office of Public School Construction Update**
Audrey Edwards
10. **Job Exchange**
Kathleen Moore Baratta
11. **People's Choice**

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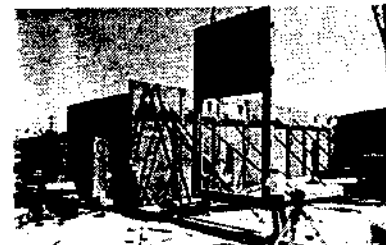
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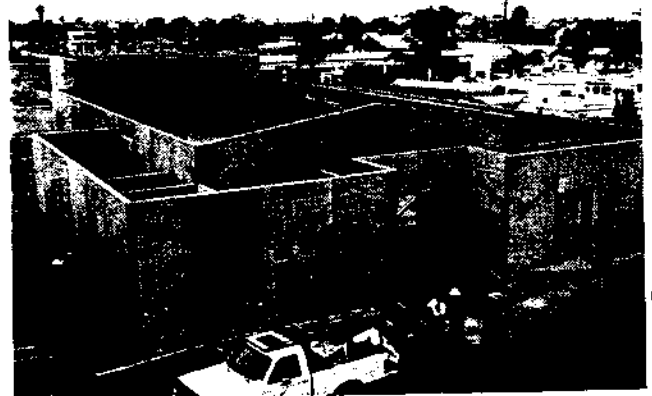
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*Project: Multi-Purpose Chula Vista Elementary
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Engineer: Englekirk & Sabol, Inc.
DSA Inspector: All American Inspection — Fred Reyes
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Completion Date: July 2001*

*Finished multi-purpose building structure with ledgers.
Time elapsed: 36 hours.*



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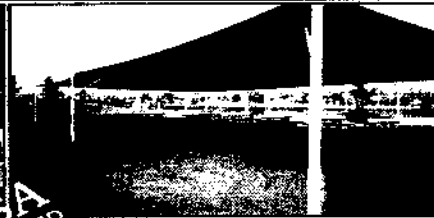
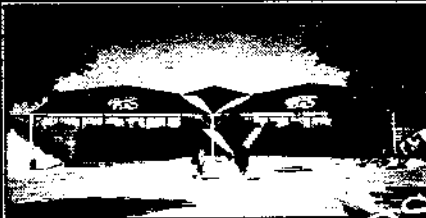
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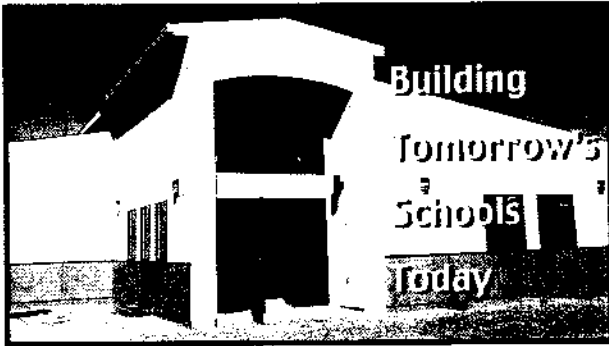


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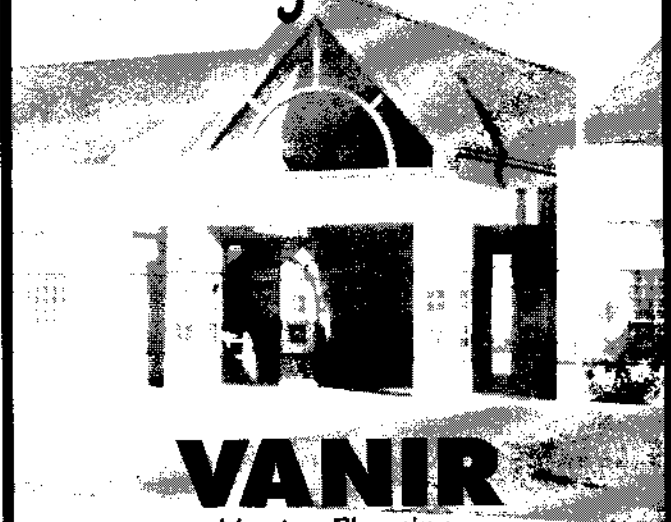
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C.A.S.H. MEETINGS, CONFERENCES & WORKSHOPS

- October 24, 2001**
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11:00 a.m. - Noon
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California Chamber of Commerce Meeting Room
1215 K Street, 14th Floor, Sacramento, CA
- February 25, 2002**
Mon.
C.A.S.H. Annual Conference Golf Tournament
Wood Creek Golf Course, Roseville, CA
- February 26-28, 2002**
Tues. - Thurs.
C.A.S.H. 23rd Annual Conference
Sacramento Convention Center/
Hyatt Regency Hotel, Sacramento, CA
- May 16-17, 2002**
Thursday - Friday
C.A.S.H. Spring Conference
Westin Horton Plaza
910 Broadway Circle, San Diego, CA

Monthly C.A.S.H. meetings are held from 11:00 a.m. to Noon in Sacramento. The monthly meetings are always scheduled to coincide with the monthly meetings of the State Allocation Board on the fourth Wednesday of the month, except in November and December, to enable C.A.S.H. members to attend the SAB's afternoon session. Both SAB meetings and General membership meetings are subject to change.



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