Re-Visioning School Facility Planning and Design for the 21st Century
Creating Optimal Learning Environments

California Department of Education
School Facilities Planning Division

Executive Summary
October 15 - 16, 2008

Prepared by
Center for Cities & Schools, University of California, Berkeley
Re-Visioning School Facility Planning and Design for the 21st Century, Creating Optimal Learning Environments: Roundtable Proceedings Report was developed by the Center for Cities and Schools, University of California, Berkeley, under the direction of Kathleen J. Moore, Division Director, California Department of Education, School Facilities Planning Division.

Notice
The guidance in Re-Visioning School Facility Planning and Design for the 21st Century, Creating Optimal Learning Environments: Roundtable Proceedings Report is not binding on local educational agencies or other entities. Except for the statutes, regulations, and court decisions that are referenced herein, the document is exemplary, and compliance with it is not mandatory. (See Education Code Section 33308.5.)

The Re-Visioning School Facility Planning and Design for the 21st Century Roundtable was developed and facilitated in partnership with the:

Center for Cities & Schools, University of California, Berkeley
http://citiesandschools.berkeley.edu/

Jeffrey M. Vincent (Deputy Director), Deborah McKoy (Executive Director), and Lindsay Baker (Doctoral Student) were lead authors on the Roundtable Proceedings Report.

The Center for Cities & Schools is an action-oriented think tank of the Graduate School of Education and the College of Environmental Design, located in the Institute of Urban and Regional Development at the University of California, Berkeley.
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Core Purpose of the California Department of Education

The core purpose of the California Department of Education is to lead and support the continuous improvement of student achievement, with a specific focus on closing the achievement gap.

School Facilities Planning Division

Mission
To provide the children of California with safe and educationally appropriate facilities and transportation services.

Values

- Responsive quality service for our clients
- Educational specifications and curricula that drive the design of school facilities
- Facility design that promotes the educational, physical, and personal development of students
- A safe and healthy school environment for all students and staff
- Teamwork and proactive planning
- The concept of local control
- Encouragement of the maximum community use of all schools

Guiding Principles

Facilities and Transportation: We work to ensure that all students are provided with safe, healthy, accessible, and educationally advantageous learning environments.

Service: We are readily available to provide to our clientele and colleagues authoritative and responsive service.

Interpersonal Relations: We appreciate our clients and peers, the diversity of experiences, the marketplace of ideas, and our unique perspectives.

Law and Regulations: We administer and champion the state standards outlined in the California Education Code, Vehicle Code, and California Code of Regulations, Title 5 and Title 13, helping school districts through our comprehensive planning, analysis, and training.

Leadership: We actively bring new information, best practices, and cutting-edge ideas to our clients and partners.
A Message from the State Superintendent of Public Instruction

I would like to thank all the participants who attended the Re-Visioning School Facilities Planning and Design for the 21st Century: Creating Optimal Learning Environments roundtable hosted by the California Department of Education. Your comments and feedback over two intense days has been invaluable to our process of exploring what an optimal learning environment should look like.

I am very pleased to introduce the report that follows. The report satisfies one of the key purposes of the roundtable, which was to identify best practices that strengthen the relationship between schools and communities in an effort to close the achievement gap between segments of our students. With the impact of the learning environment on student achievement well documented, this discussion was imperative.

Discussions of school design principles at the roundtable resulted in the following key recommendations:

**Recommendation 1:** Establish a state vision and guiding principles on the role of school facilities in supporting student achievement and closing the achievement gap.

**Recommendation 2:** Incorporate the new vision and principles into the California Code of Regulations, Title 5.

**Recommendation 3:** Increase collaboration among state agencies to aid local educational agencies in the design of 21st century learning environments.

**Recommendation 4:** Increase state focus on standards and policy governing the modernization of existing schools to provide a 21st century learning environment to a greater number of students.

**Recommendation 5:** Review and restructure the linkage between school facility finance and design.

It is my hope that you take the time to review this document in its entirety. I am confident that you will have a renewed sense of importance for the work each of you do in developing optimal learning environments. They are essential for the 21st century needs of students in California.

JACK O’CONNELL
State Superintendent of Public Instruction
Participants

Patrick Ainsworth, Ed.D., Assistant Superintendent and Director, Secondary, Postsecondary, and Adult Leadership Division, California Department of Education

Carrie Harris Allen, Ph.D., Director of Secondary Education, Claremont Unified School District

Carol Barkley, Director, Charter Schools Division, California Department of Education

Panama Bartholomy, Adviser, California Energy Commission

Victoria Bergsagel, President and Founder, Architects of Achievement

Ariel Bierbaum, MCP, Program Director, Center for Cities & Schools, University of California-Berkeley

Steven Bingler, AIA, REFP, NCARB, Founder, Concordia, LLC

Thomas Blurock, FAIA, IBI/Blurock Architects

Ron Bogle, Hon. AIA, President and CEO, American Architectural Foundation

Phyllis Bramson-Paul, Assistant Superintendent of Public Instruction and Director, Nutrition Services Division, California Department of Education

Duwayne Brooks, Former Director, School Facilities Planning Division, California Department of Education

Shirl Buss, Ph.D., Design Consultant, Center for Cities & Schools, University of California-Berkeley

Rene Castro, Facilities Projects Supervisor, Montebello Unified School District

Lewis Chappelear, 2008 Teacher of the Year, James Monroe High School, Los Angeles Unified School District

Paul H. Chatman, President, California School Boards Association

Kathleen Chavira, Principal Consultant, Senate Education Committee

Gaylaird Christopher, AIA, Principal, Architecture for Education, Inc.

Lisa Constancio, Field Consultant, School Facilities Planning Division, California Department of Education

George Copa, Ph.D., Director, New Designs for Learning

Sharon Scott Dow, Director, Governmental Relations, Advancement Project

Timothy Dufault, President, Cuningham Group Architecture, PA

Thomas Duffy, Ed.D., Legislative Director, Coalition for Adequate School Housing

James Dyck, AIA, LEED, NCARB, The Architectural Partnership/Union of International Architecture, Architecture for Education and Culture

Charles Eley, FAIA, PE, Executive Director, Collaborative for High Performance Schools

William Ellerbee, Jr., Ed.D. Deputy Superintendent, School and District Operations Branch, California Department of Education
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stephen English</td>
<td>Codirector, Advancement Project</td>
</tr>
<tr>
<td>Sharon Fair</td>
<td>Leader/Performance Manager, Department of Toxic Substances Control, California Environmental Protection Agency</td>
</tr>
<tr>
<td>Randall Fielding</td>
<td>AIA, Chairman and Founding Partner, Fielding Nair International</td>
</tr>
<tr>
<td>Mary Filardo</td>
<td>Executive Director, 21st Century School Fund</td>
</tr>
<tr>
<td>Bruce Fuller</td>
<td>Ph.D., Professor of Education and Public Policy, University of California, Berkeley</td>
</tr>
<tr>
<td>Mavonne Garrity</td>
<td>Chief Consultant, Senate Select Committee on School Facilities</td>
</tr>
<tr>
<td>John Gordon</td>
<td>Assistant Field Representative, School Facilities Planning Division, California Department of Education</td>
</tr>
<tr>
<td>Christopher Grimes</td>
<td>AICP, REFP, LEED, Director, School Facilities Development, Roseville Joint Union High School District</td>
</tr>
<tr>
<td>Andrew Harrison</td>
<td>Leader, Learning, Research, and Cultural Environments Team, DEGW</td>
</tr>
<tr>
<td>David Hawke</td>
<td>Field Representative, School Facilities Planning Division, California Department of Education</td>
</tr>
<tr>
<td>Bedelia Honeycutt</td>
<td>Field Representative, School Facilities Planning Division, California Department of Education</td>
</tr>
<tr>
<td>Gordon Jackson</td>
<td>Assistant Superintendent, Learning Support and Partnerships Division, California Department of Education</td>
</tr>
<tr>
<td>Lou Joseph</td>
<td>Ed.D., Field Representative, School Facilities Planning Division, California Department of Education</td>
</tr>
<tr>
<td>Alexis Kelley</td>
<td>Student, Arthur A. Benjamin Health Professions High School, Sacramento City Unified School District</td>
</tr>
<tr>
<td>Sophia Kwong Kim</td>
<td>Consultant, Assembly Education Committee</td>
</tr>
<tr>
<td>Laura Knauss</td>
<td>Architect, Lionakis Beaumont Design Group</td>
</tr>
<tr>
<td>Steven Looper</td>
<td>Principal, James McKee Elementary School, Elk Grove Unified School District</td>
</tr>
<tr>
<td>Howard Mahoney</td>
<td>Director, New Technology High School, Napa, California</td>
</tr>
<tr>
<td>Monica Martinez</td>
<td>Ph.D., Vice President of Education Strategy, Knowledge Works Foundation</td>
</tr>
<tr>
<td>Deborah McKoy</td>
<td>Ph.D., Executive Director, Center for Cities &amp; Schools, University of California, Berkeley</td>
</tr>
<tr>
<td>Guy Mehula</td>
<td>PE, Chief Facilities Executive, Los Angeles Unified School District</td>
</tr>
<tr>
<td>Kathleen J. Moore</td>
<td>Director, School Facilities Planning Division, California Department of Education</td>
</tr>
<tr>
<td>Lori Morgan</td>
<td>Deputy Executive Officer, State Allocation Board and the Office of Public School Construction</td>
</tr>
<tr>
<td>John Nichols</td>
<td>AIA, REFP, LEED, Partner and PreK-12 Practice Leader, HMC Architects</td>
</tr>
<tr>
<td>Jack O’Connell</td>
<td>State Superintendent of Public Instruction, California Department of Education</td>
</tr>
</tbody>
</table>
Michael O’Neill, Field Representative, School Facilities Planning Division, California Department of Education

Patricia Jones Penn, Ed.D., Field Representative, School Facilities Planning Division, California Department of Education

Jorge Ronquillo, Assistant Principal, Lassalette School, Hacienda La Puente Unified School District

Jeremy Roschelle, Ph.D., Director, Center for Technology in Learning, SRI International

Larry Rosenstock, Founding Principal, High Tech High School

William Savidge, AIA, Engineering Officer, West Contra Costa Unified School District, and Vice Chair, Coalition for Adequate School Housing

Tod Schneider, Consultant, Member, Crime Prevention through Environmental Design

George Shaw, Field Representative, School Facilities Planning Division, California Department of Education

Richard Simpson, Deputy Chief of Staff, California State Assembly

Mary Joan (Mamie) Starr, Administrative Director of Facilities and Planning, San Joaquin County Office of Education

David Stern, Ph.D., Professor Emeritus of Education, University of California-Berkeley

C. Kenneth Tanner, Ed.D., Professor, Educational Leadership, University of Georgia

Lisa Teixeria, Student, Arthur A. Benjamin Health Professions High School, Sacramento City Unified School District

David Thorman, AIA, California State Architect

Tom Tooker, Field Representative, School Facilities Planning Division, California Department of Education

Cynthia Uline, Ph.D., Professor of Educational Leadership, San Diego State University

Kent Van Gelder, Field Representative, School Facilities Planning Division, California Department of Education

Edwin Van Ginkel, Senior Development Manager, Los Angeles Unified School District

Katrina Valentine, Assistant Executive Officer to the State Allocation Board

Wendell Vaughn, AIA, leader, Perkins+Will’s Western Regional K-12 Educational Practice

Jeff Vincent, Ph.D., Deputy Director, Center for Cities & Schools, University of California, Berkeley

Diane Waters, Senior Architect, School Facilities Planning Division, California Department of Education

Fred Yeager, Assistant Division Director, School Facilities Planning Division, California Department of Education

Note: Titles and affiliations of individuals named were current at the time of development of this report.
Executive Summary

In October 2008, a diverse group of researchers, education administrators, state policy leaders, design professionals, teachers, and students convened in Sacramento, California, for the Re-Visioning School Facility Planning and Design for the 21st Century roundtable.

California’s schools need a clear vision for facilities planning and policy to curb alarming dropout rates, accommodate growing enrollments, and provide educational environments responsive to the rapidly changing nature of learning, communities, and necessary workforce skills. Developed by the School Facilities Planning Division of the California Department of Education (CDE) in partnership with Center for Cities & Schools at the University of California, Berkeley, the roundtable explored the historical, contemporary, and visionary future contexts of school facilities in California to advise the state on policy change. This report is a summary and analysis of the roundtable proceedings. It also serves as a guide for further reevaluation of school facilities planning and design policy in the state of California.

Over the course of the two-day event, participants critically engaged topics ranging from emerging technologies and educational programming trends to the relationship between school design and learning and sustainability. Nationally recognized principles of high-quality school design were used to provide a framework for critical analysis and to inspire participants in crafting state policy recommendations:

- Design for the educational program
- Design for adaptability
- Integrate technology
- Promote health and sustainability
- Enhance safety and security
- Connect to community
- Support a small school culture
- Accommodate student diversity
- Support the teacher as professional
The roundtable was structured as a “public research” event. That is, participants worked in a variety of forums, including:

- Panel presentations
- Large-group discussions
- Individual workbooks
- Action teams
- Creating posters as an action team and compiling “report-outs”

The analysis of roundtable processes, discussions, and outcomes brought together the participants’ expertise in a variety of related fields — design, policy, research, management, and teaching. A set of findings and recommendations for CDE policy change resulted from the roundtable.

**Recommendation 1:**
Establish a state vision and guiding principles on the role of school facilities in supporting student achievement and closing the achievement gap.

**Recommendation 2:**
Incorporate the new vision and principles into the *California Code of Regulations, Title 5*.

**Recommendation 3:**
Increase collaboration among state agencies to aid LEAs in the design of 21st century learning environments.

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**Recommendation 5:**
Review and restructure the linkage between school facility finance and design.