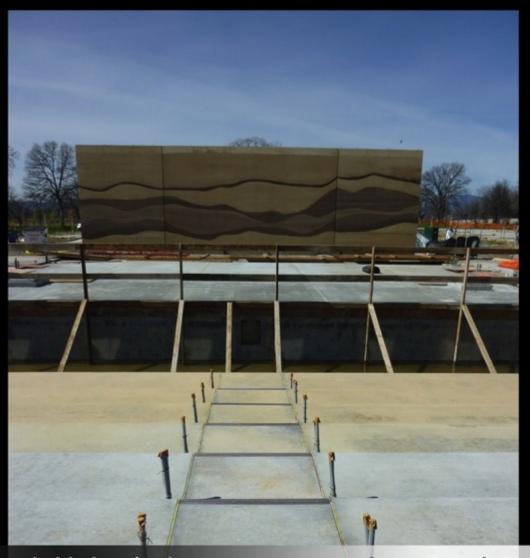
An Outdoor School





for an Indoor World



"Avoid old ideas for this new space...avoid institutional approach to school design"

"Space should be inspirational yet calming, being flexible enough to handle evolution of the school into the future; don't limit learning to confines of school schedule and classroom."











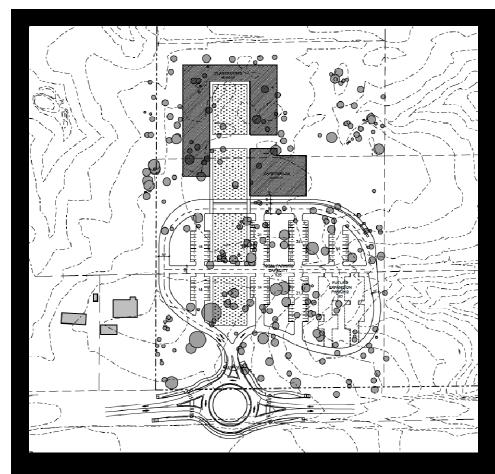
AN OUTDOOR SCHOOL FOR AN INDOOR WORLD



A Tool for Teaching Green

WELCOME TO IMAGINATION'S SCHOOL

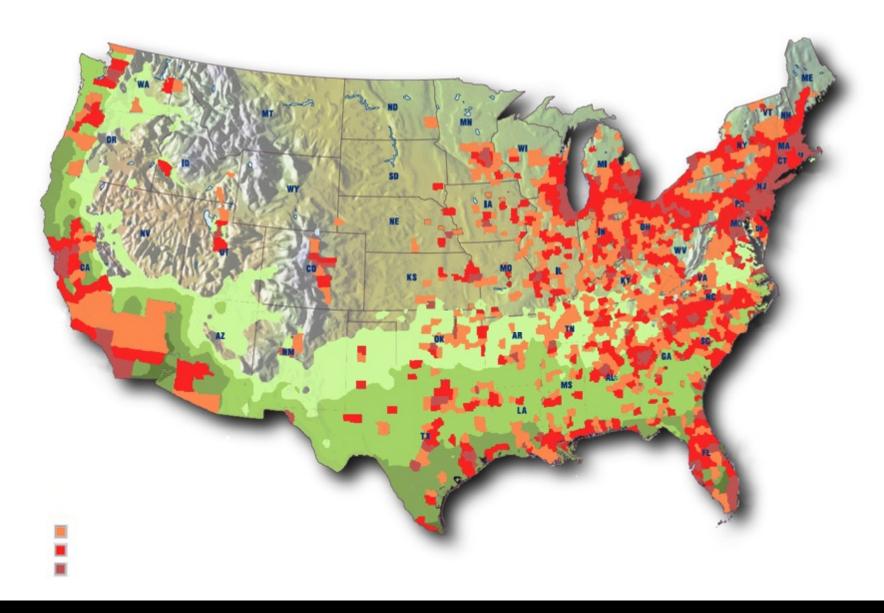
AFFORDABLE ENERGY AS A
ZERO SUM GAME



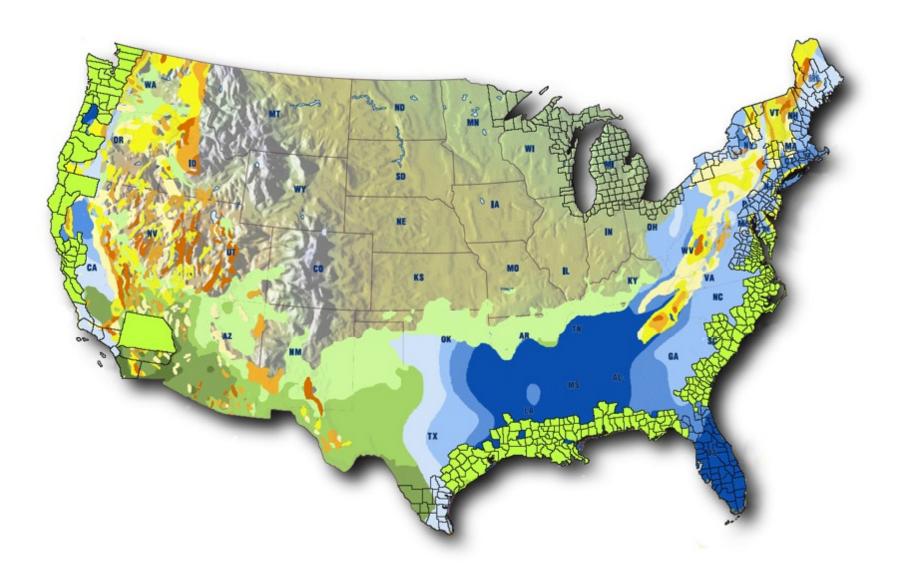
Connecting to the Outdoors







The Comfort Line

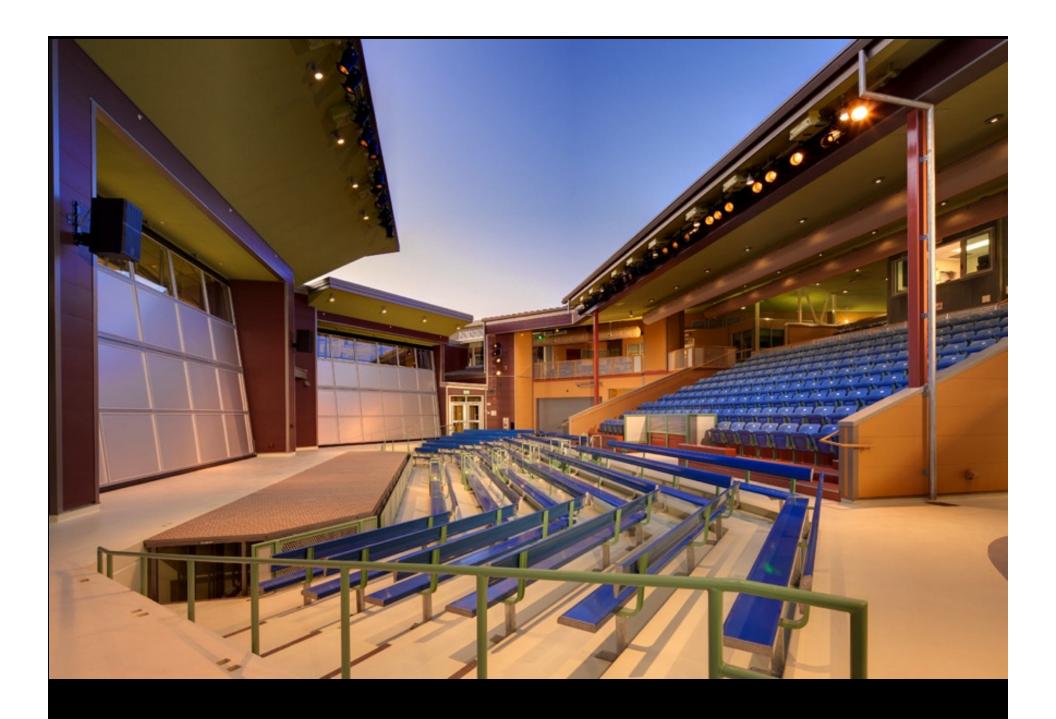


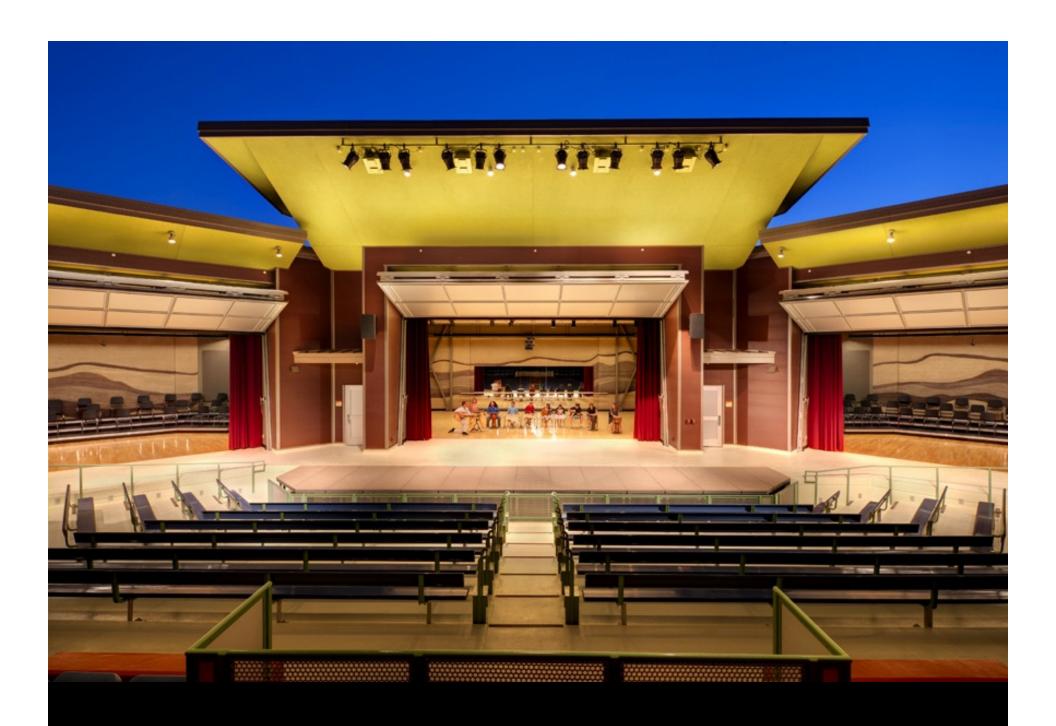
The Marginal Zone













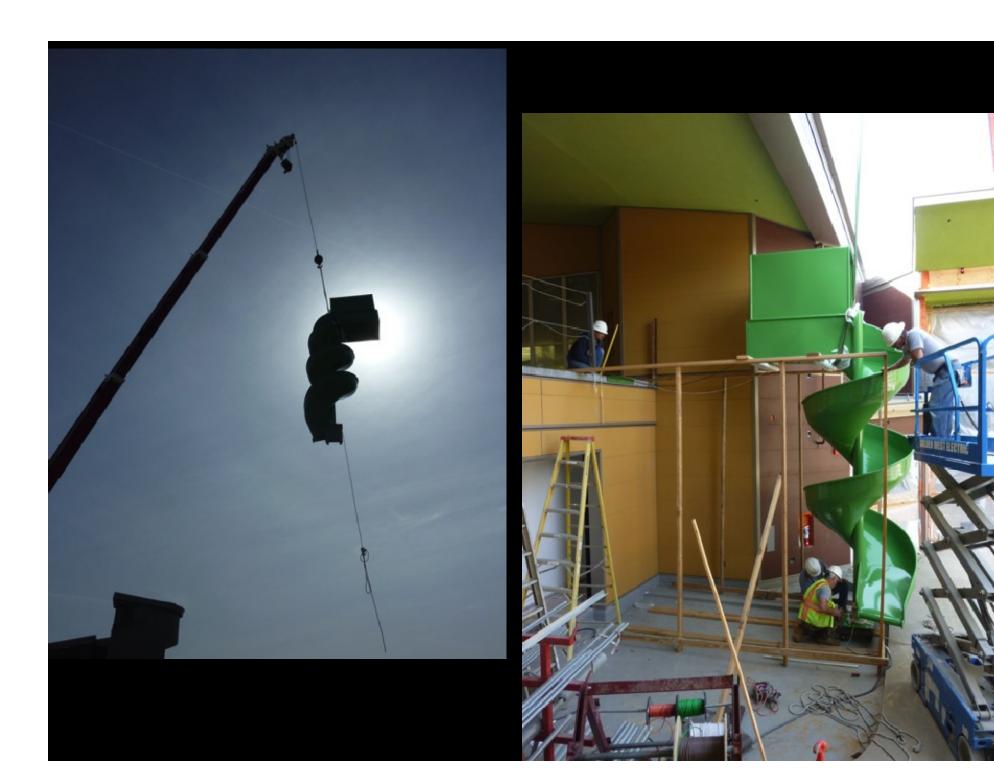


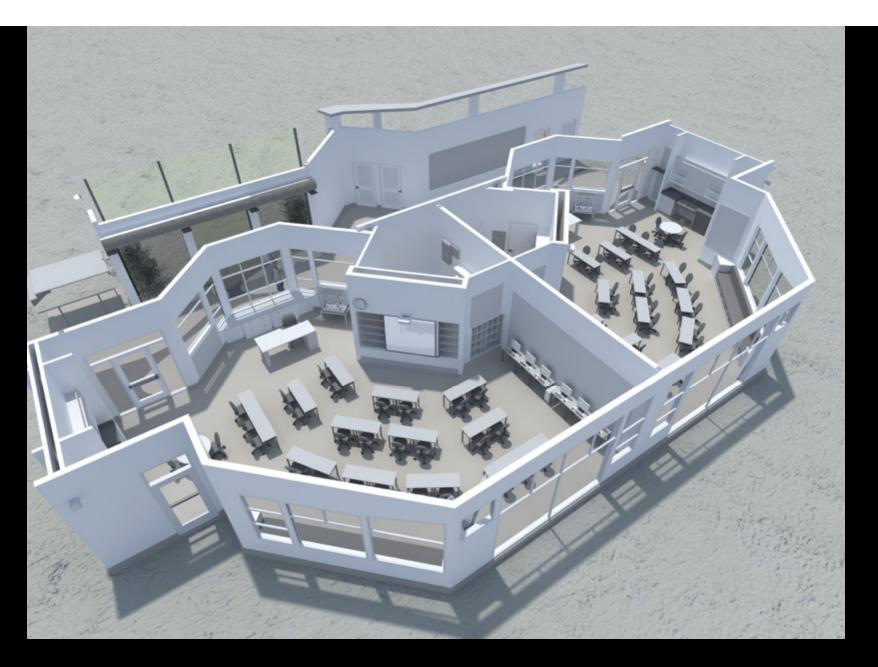
LEGEND

- 1.CANVAS DUCT FOR "SEMI-CONDITIONED" SPACE
- 2.TRANSLUCENT ROOF STRUCTURE FOR FILTERED LIGHT
- 3.METAL SCREEN OVERHANG FOR SHADE

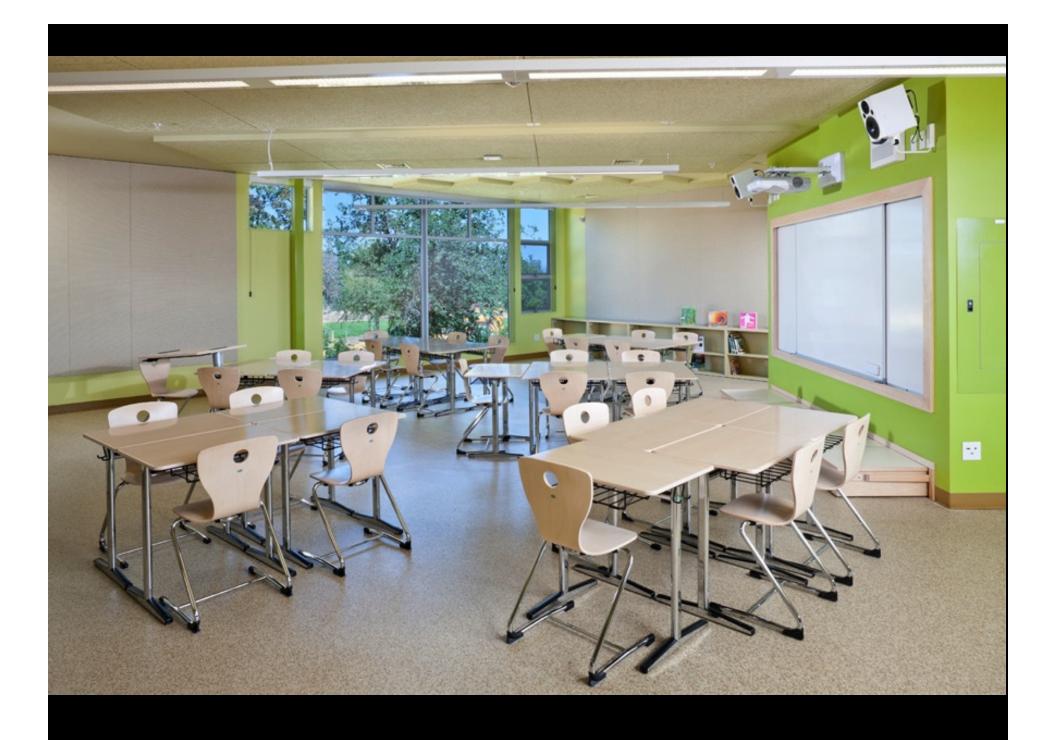
- 4.MOTORIZED EXTERIOR SHADES ON WEST-FACING FACADES.
- 5.OUTDOOR CAFE STYLE SEATING
- 6.CLASSROOM GLAZING

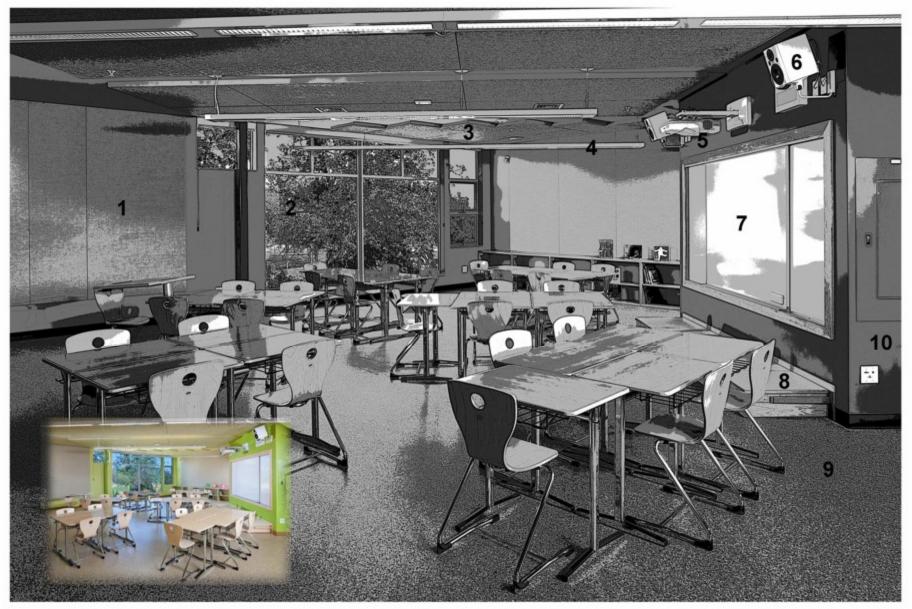






Thinking Outside the (Classroom) Box





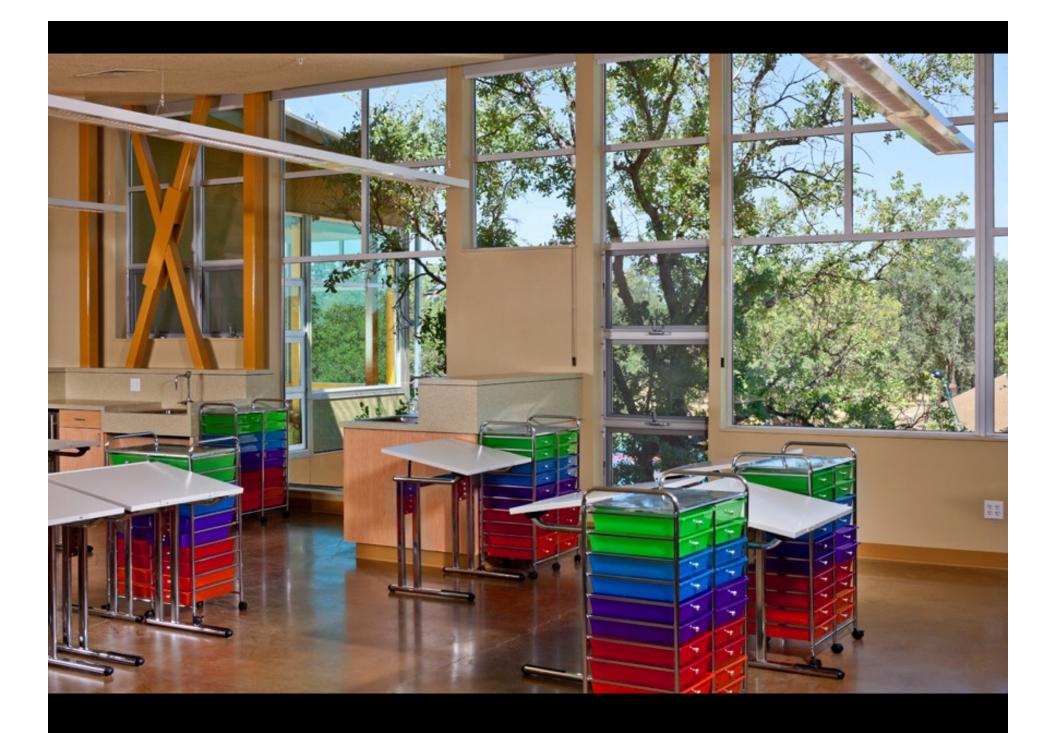
LEGEND

- 1. ACOUSTIC WALL TREATMENT
- 2. NORTH FACING GLAZING
- 3. ACOUSTIC CEILING TREATMENT
- 4. AUTOMATED LIGHTING SYSTEM
- 5. SHORT THROW PROJECTION SYSTEM
- 6. SOUND SYSTEM
- 7. LEARNING CENTER WITH STORAGE BEHIND
- 8. RETRACTABLE SPEAKING / PERFORMANCE PLATFORM

9. RUBBER FLOORING

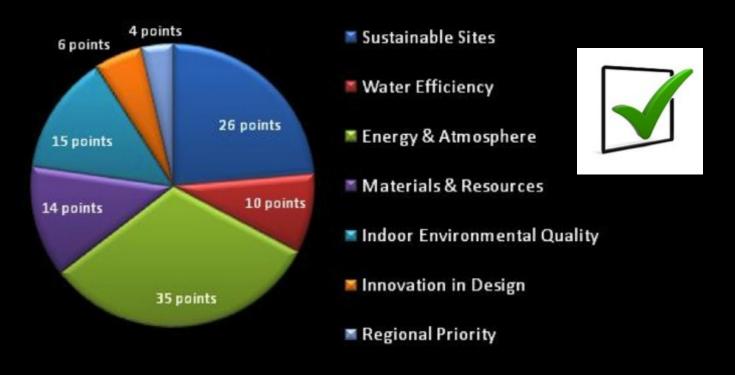
10. LOW VOC PAINT







LEED Certification Scorecard Breakdown





Affordable Energy as a Zero Sum Game

Buildings constructed	in the U.S. in 2008:	100,000
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Number of those registered for LEED Certification 10,000 actually LEED Certified 1,400 50% more energy-efficient than code 70





As of August 11, 2010,

Total LEED certified projects worldwide:

5,384

Number of those reaching Platinum certification 305 that are Platinum certified K-8/12 schools 10

Number of those that are LEED 2009

0





Building for Sustainability An integrated approach to the built environment, sthe social, economic and environmental aspects of our lives and

Our communities. Report: Six Scenarios for
The David and Lucile Packard Foundation
Los Altos Project

Comparison Summary: Cost Impacts

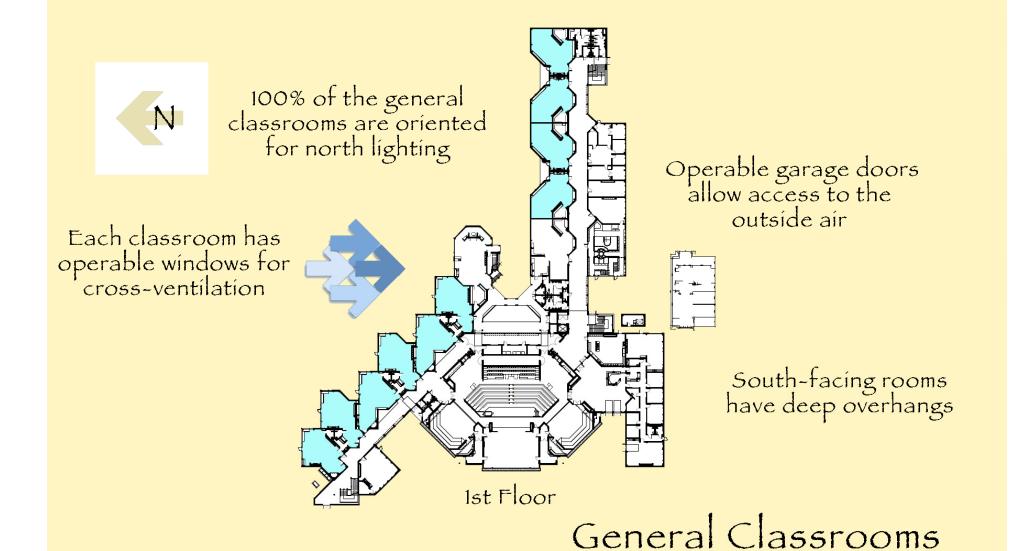
Market

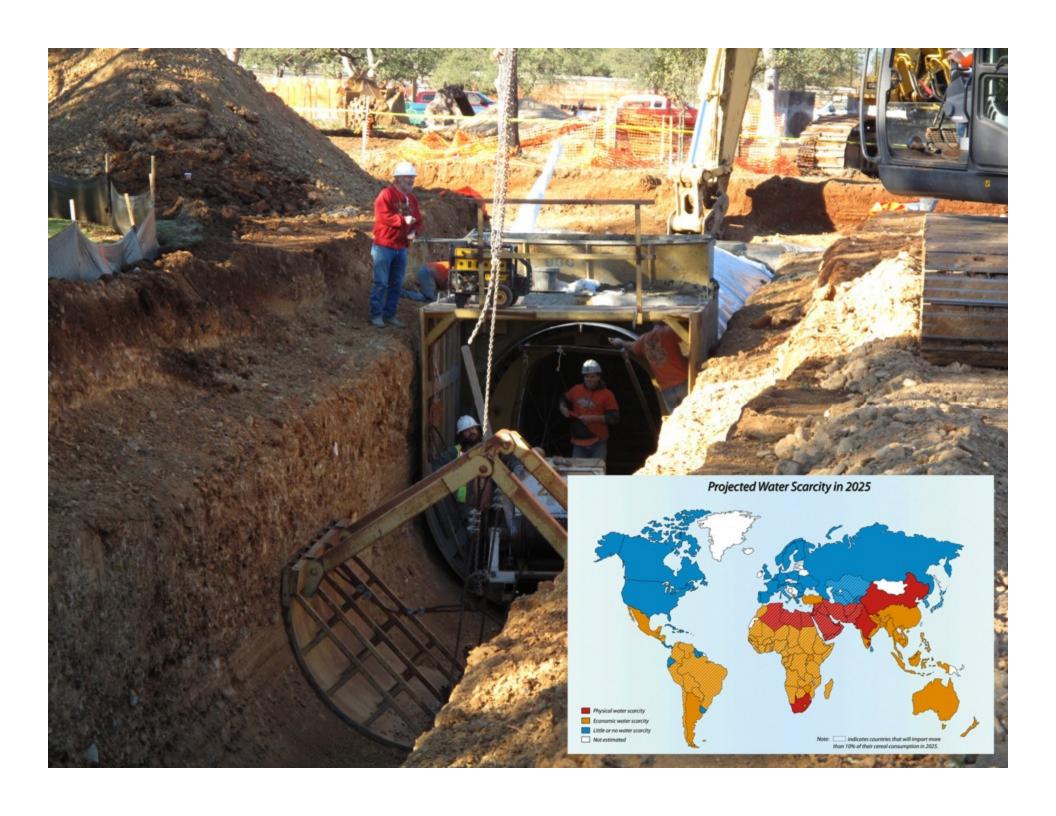
	First Year	30 yrs (NPV)	60 yrs (NPV)	100 yrs (NPV)	
Hard Costs					_
Initial Construction Costs	\$ 10 m	\$ 11.7 m	\$ 14.7 m	\$ 15.4 m	_
FF+E, Permits, Fees, Etc.	\$ 1.3 m	Inc. above	Inc. above	Inc. above	Π
Soft Costs					_
Design + Mgmt Fees	\$ 1.3 m	\$ 1.4 m	1.8 m	\$ 1.9 m	_
Operating Costs		\$ 9.2 m	\$ 46 m	\$ 333.1 m	_
Mech + TI Replacement Costs		\$ 420,000	\$ 420,000	\$ 530,000	_
Total – Net Present Values		\$22.7 m	\$62.9 m	\$348.9 m	_

LEED™ Platinum

	First Year	30 yrs (NPV)	60 yrs (NPV)	100 yrs (NPV)
Hard Costs				
Initial Construction Costs	\$ 12.1 m	\$ 14.3 m	\$ 14.3 m	\$ 14.3 m
FF+E, Permits, Fees, Etc.	\$ 1.6 m	Inc. above	Inc. above	Inc. above
Soft Costs				
Design + Mgmt Fees	\$ 1.7 m	\$ 1.9m	\$ 1.9 m	\$ 1.9 m
Operating Costs		\$ 1.5 m	\$ 6.6 m	\$ 44.9 m
Mech + TI Replacement Costs		\$ 600,000	\$ 900,000	\$ 1.1 m
Total - Net Present Values		\$ 18.3 m	\$ 23.7 m	\$ 62.2 m

October 2002



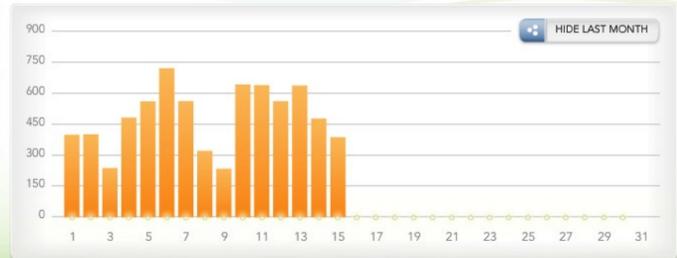


Total Electricity Consumption

Kilowatt-hours of electricity consumed this month







Viewpoint

Select a Timescale

Select a Unit equivalent

Introduction Green Features

Select a Unit equivalent

Water Water Level Green Tips

Weather



Tools for Teaching Green

Redding School of the Arts



Food for Thought



Earth, Water and the Air We Breathe



A Healthy Discussion



Energy: Conserve & Create, Reduce & Recycle



How Buildings Work



Creativity & Learning Together

