

ADVANCED HVAC SYSTEMS FOR IMPROVING INDOOR ENVIRONMENTAL QUALITY AND ENERGY PERFORMANCE OF CALIFORNIA K-12 SCHOOLS

Draft/Final Curriculum and Materials

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Arnold Schwarzenegger, *Governor*

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The following items constitute the curriculum and supporting materials for public education on displaced ventilation:

1. LAUSD Design Charrette Presentation

Gathered top architects, design engineers and school officials to discuss design requirements for classrooms and to develop conceptual displacement ventilation design solutions for K-12 schools.

At: http://www.archenergy.com/ieq-k12/Public/Proj2_Deliverables/050509_TDVCharrette_Presentation.pdf

2. ASHRAE Winter Meeting Presentation

Seminar presented at the 2006 ASHRAE Winter meeting on field experience with displaced ventilation technologies.

At: http://www.archenergy.com/ieq-k12/Public/Proj2_Deliverables/060120_ASHRAE_Presentation.pdf

3. CASH Conference Presentation

Provided an overview of design requirements for displacement ventilation systems to a diverse audience and, through a review of the demonstration classrooms, showed how DV can simultaneously improve indoor environmental quality and reduce energy use.

At: http://www.archenergy.com/ieq-k12/Public/Proj2_Deliverables/060206_CASH_Presentation.pdf

4. ACEEE Paper

“Displacement Ventilation in Action: Performance Monitoring of Demonstration Classrooms.” An abstract submitted for the August 2006 conference.

At: http://www.archenergy.com/ieq-k12/Public/Proj2_Deliverables/060504_ACEEE-DVinAction_Final.pdf

5. Engineered Systems Article

“The Right Place For Displacement.” An April 2004 article published by *Engineered Systems* magazine.

At:
<http://www.esmagazine.com/CDA/Archives/96fd16fba223a010VgnVCM100000f932a8c0>