

FOUNDATIONS FOR PROJECT SUCCESS: COOPERATION AND COLLABORATION

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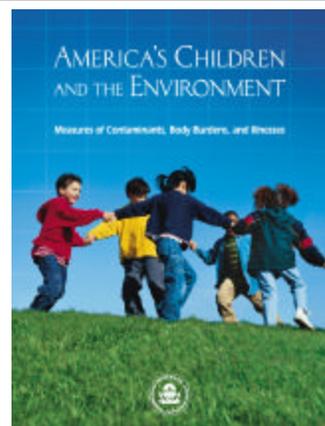
OFFICE OF CHILDREN'S HEALTH PROTECTION

- Outreach & Partnerships
- Standards & Regulation
- Scientific Data & Methods
- President's Task Force on Environmental and Safety Risks to Children
- Children's Health Protection Advisory Committee



Road to Making Children's Environmental Health a Priority

- 1993 – Pesticides in the Diets of Infants & Children
- 1995 - EPA policy
- 1996 - Food Quality Protection Act
- 1996 - Safe Drinking Water Act
- 1996 - EPA National Agenda
- 1997 - Executive Order
- 1997 – G8 Declaration on Children's Health
- 2000 - Children's Health Act of 2000
- 2000 – EPA Children's Research Strategy
- 2001 – Administrator makes children's health a priority



Federal Collaborations With Health Professionals

- Pediatric Environmental Health Specialty Units (ATSDR and EPA)
- AAP Chief Pediatric Residents Training (EPA)
- ANA Continuing Education for Nurses (EPA)
- APA Planning for Pediatric Environmental Health Fellowships (EPA)



Increasing general knowledge and awareness leads to better protected children

- Childhood Asthma Campaign
- Smoke Free Home Pledge Initiative
- Health Care Providers
- Youth Education
- Children’s Health Month
- World Health Day



Youth Strategy

Five national youth organizations, representing 15 million children, have made commitments to incorporate children’s environmental health into their programs.

	# of Members	Focus Areas
Future Farmers of America	452,000	Pesticides (IPM), drinking water
Girl Scouts	3.6 Million	Lead, pesticides (IPM), water, asthma, sun (UV)
Boy Scouts	4.8 Million	Lead, pesticides (IPM), water, asthma, sun (UV), fish consumption
National 4-H	6 Million	Lead, pesticides (IPM), water, asthma, sun (UV), fish consumption
United National Indian Tribal Youth, Inc	45,000	Lead, secondhand smoke, fish consumption

THREE KEY FOCUS AREAS

- ASTHMA
- CLEAN SCHOOL BUS
- HEALTHY SCHOOLS





Asthma Strategy

- Stakeholders
- Increase awareness:
 - Outreach to parents
 - Outreach to daycare providers and schools
 - Outreach to healthcare providers
- Address key asthma triggers



Asthma Strategy

- Partnerships:
 - State Agencies
 - Non-Profit Organizations
 - Health Care Providers
 - Parents
 - Teachers
- Legislation



Clean School Bus USA



- Partnership to Retrofit, Replace, Reduce idling
- Builds on existing efforts
- Coordinate and focus EPA programs
- Marshall and leverage resources

Clean School Bus USA



- Corporate Sponsorship**
 - Retrofit, replacement, and ultra-low sulfur diesel fuel
 - Adopt-a-school bus
 - Public education, planning & marketing expertise
- Industry Cooperation**
 - Driver training and education
 - Incentives for anti-idling
- Community and School Action**
 - Anti-idling policies
 - Contracting requirements
- State Action**
 - Model tax policies and other incentives
- Federal Support**
 - Funding options – Energy Bill; Transportation Bill
 - Retrofit grant program

Protecting Public Health



- Reduce over 57,000 cases of lower respiratory symptoms in healthy children
- Reduce over 112,000 cases of upper respiratory symptoms in asthmatic children
- Prevent over 5,000 asthma symptoms in asthmatic children
- Reduce 9,000 cases of acute bronchitis in children

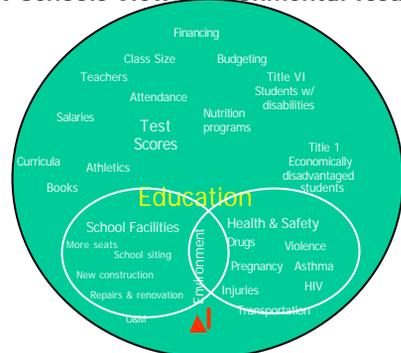
EPA Healthy Schools Initiative

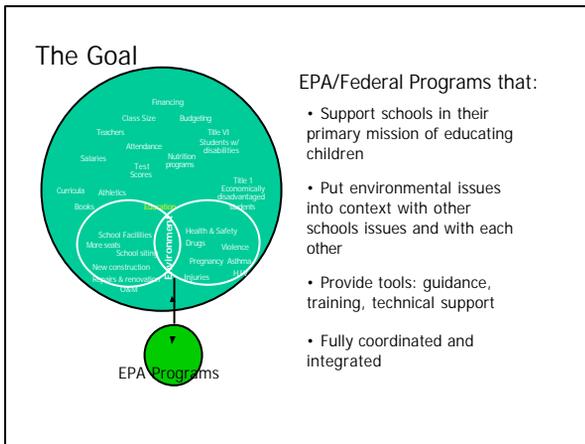
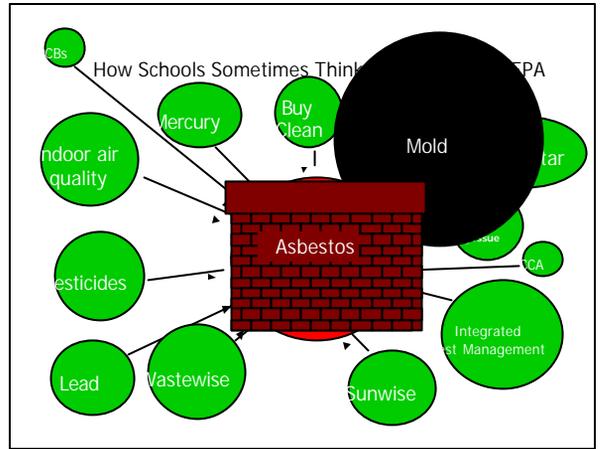
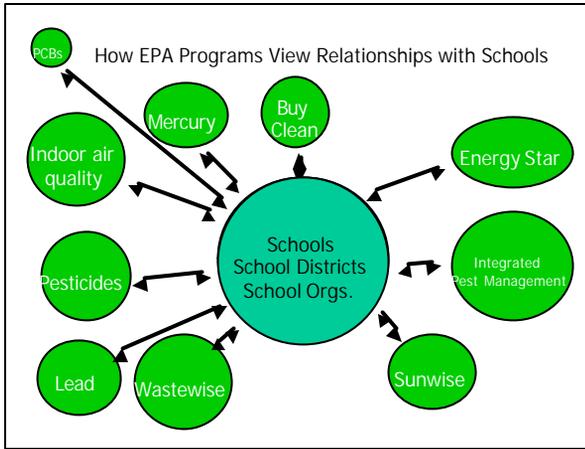
- Coordinate -- and where feasible, integrate -- existing programs
- Fill information gaps
- Develop better tools for schools
- Promote comprehensive, whole building approaches
- Promote research to improve the business case for environmental improvements in new and existing schools

EPA Healthy Schools Initiative

- Coordinate and integrate
- Fill information gaps
- Develop refined tools for schools

How Schools View Environmental Issues





Summary

The name of the game is **INTEGRATION**

- Within EPA
- Across Federal agencies
- Whole building design
- Environmental health in the context of schools' broad health and safety responsibilities

High Performance Schools



Courtesy H. Turner Group

Whole building, integrated design to improve performance while protecting health and saving money, energy, and the environment.

Source: California Collaborative for High Performance Schools

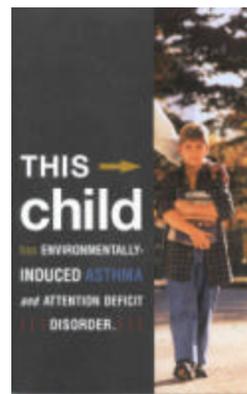
Why Healthy School Design Guidance?

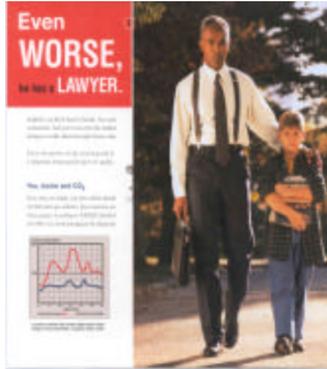
- 53 million children and 2 million adults spend their days in the nation's 112,000+ K-12 schools
- 6,000 new schools will need to be built by 2007
- 10's of thousands more will be renovated
- Design decisions directly affect student and staff exposure to environmental contaminants
- Construction practices play a critical role in moisture control, maintenance

Why Healthy School Design Guidance?

(cont.)

- Repercussions of poor school design and construction practices include:
 - Direct impacts on children's health
 - Reduced student performance
 - Higher energy costs
 - Loss of funding tied to attendance
 - Possible school closings—both temporary and permanent
 - Potential liability





Los Angeles Unified School District

- Second largest school district in U.S.
 - 900,000 students
 - 80,000 employees
 - 10 % of California students
- Serves City of Los Angeles & 28 other cities, covering an area of 700 square miles
- 900 schools & 60 non-school facilities
- 150 new schools in next 5-10 yrs
- Annual budget of \$9 B

LAUSD HEALTHY SCHOOLS PILOT

- **Existing facilities**
 - Siting
 - Comprehensive environmental health and safety assessment tool
- **New facility Design and Construction**



BELMONT

- Construction halted
- Environmental Issues
- \$177 million spent
- Avoidable mistakes
- Lasting impacts
 - Distrust
 - Reforms
- Lessons Learned

LAUSD COMPREHENSIVE ENVIRONMENTAL HEALTH AND SAFETY ASSESSMENT TOOL

- Every school has an obligation to provide a safe learning environment
- Economy of scale by looking at over 20 environmental health and safety factors through a single integrated inspection
- Development of a Compliance Scorecard based on a series of threshold questions
- 900 campuses have been inspected and the second wave of follow-up and assistance has begun

BENEFITS OF ASSESSMENT

- Improving working & living conditions for students, faculty & employees
- Lower day-to-day impacts on the environment
- Increased compliance, performance & reduced or avoided fines & corrective actions; reduced liability
- Complementing & informing academic curriculum
- Increasing faculty & student awareness of environmental issues
- Enhancing faculty and staff morale
- Enhancing image and reputation with the community

New School Design and Construction LAUSD High Performance School Working Group

- **Board Resolution**
- **Using CHPS and Other Materials**
- **Training**
- **Integrate criteria into design&construction**
- **Phased approach – “low-hanging fruit” first**

PROJECT PARTNERS

- **Los Angeles Unified School District**
- **California Energy Commission (CEC)**
- **CA Waste Management Board (CIWMB)**
- **California Department of Education (CDE)**
- **Division of the State Architect (DSA)**
- **Los Angeles Department of Water and Power**
- **Southern California Edison (SCE);**
- **Southern California Gas (SoCalGas)**
- **Fields Devereaux Architects & Engineers**
- **US EPA**
- **US DOE**

KEY PROJECT FINDINGS

- ✓ **Wide range of environmental issues & initiatives**
- ✓ **Many of these efforts are not coordinated**
- ✓ **Make the best use of limited resources**
- ✓ **Advisory Group a good mechanism to coordinate resources and ideas**
- ✓ **Positive Model for Statewide efforts**

KEY PROJECT FINDINGS (con.)

- ✓ **High Performance design elements can be incorporated without difficulty**
- ✓ **Significant cost savings, especially energy, can easily be achieved**
- ✓ **Incorporating high performance design criteria promotes a healthier learning environment.**
- ✓ **Building commissioning is very important**
- ✓ **Be prepared for hurdles**

New Healthy School Environments Web Portal

"One-Stop" Access to On-line Resources on School
Environmental Health

www.epa.gov/schools

Summary

- Increase awareness and focus on key environmental hazards that affect children
- Promote children's environmental health research and risk assessment
- Important to address hazards where children live, "work" [school] and play
- Limited resources requires efficient use of resources and the development of creative partnerships
- Don't get overwhelmed...remember...

Children are 30% of the world's population and 100% of our future

