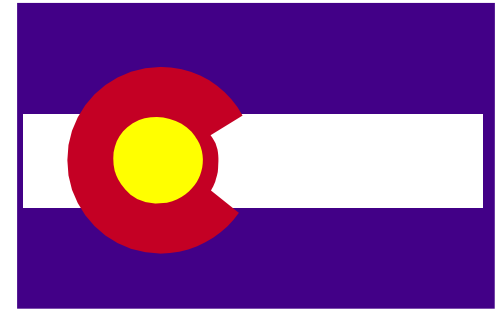


# Supplemental Environmental Projects

For the Present and  
Future – Schools &  
Energy





## Colorado's SEP Policy

- Cross-media benefits (no nexus)
- Geographic nexus
- Emphasizes P2, EE, RE
- Traditional emissions reduction projects
- Quantify environmental benefits
- SEP Completion Report
- EPA does not have authority over state SEPs

# SEPs for Schools



- Green building projects (LEED)
- Laboratories and emergency response
- Material management
- Health projects
- Water quality and quantity
- School bus retrofits and hybrid fleets
- Renewable energy and energy efficiency
- Asbestos and lead based paint
- Landscaping

# Education SEPs

- Educational product transferable
- Air pollution module for third grade
- Outdoor conservation and education projects
- Programs for kids and science
- Ozone video and environmental newsclips
- Mobile source radio clips
- Non point source water quality



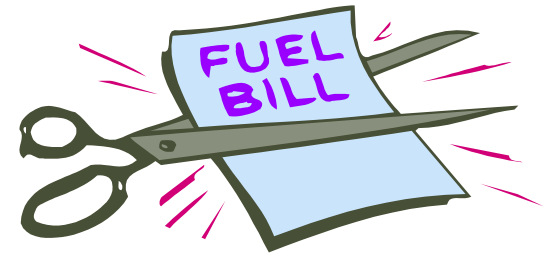
# SEPs in Schools: Lessons Learned



- Contact before assume
- Be open to priorities
- Provide contacts for expertise
- Allow long time frames
- Prepare for change of projects
- Keep list schools with successful projects
- Assist with outcome measurements
- Offer joint press coverage
- Notify local environmental department

# Energy Efficiency SEPs

- Reinvest savings in another project
- Green lights
- Insulation
- Fleets
- Equipment: vending misers
- Motion sensors
- Water conservation
- Window replacement



# Alternative Energy SEPs

## Wind Power SEP (Manufacturer)



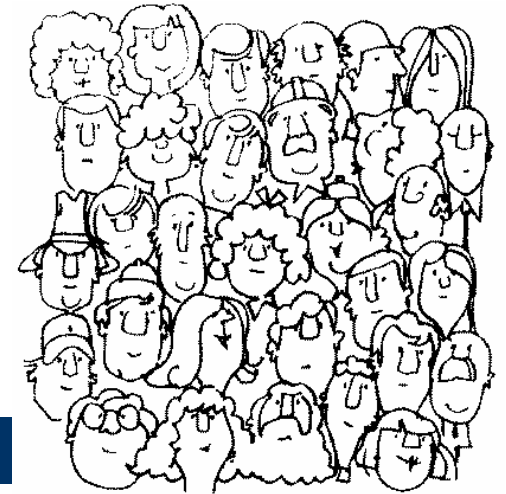
- \$303,000 SEP value
- Premium 2.5 cents per kWh
- Utility set up escrow account
- 12,134,400 kWh purchased over 5 years
- Benefit: NO<sub>x</sub> 97 tpy, SO<sub>2</sub> 73 tpy, CO<sub>2</sub> 3,640 tpy
- Challenges
- Partners

# Alternative Energy SEPs



- Natural gas fueling station and vehicles
- Solar on migrant farm worker housing
- Solar heater for swimming pools
- Micro hydro turbine for ski lift
- Methane-recovery systems
- Fuel cell projects
- Biomass projects and fueling equipment
- Solar on community hospital

## Other Community-Based SEPs



- Community decides use of funds
- StEPP Foundation as alternative
- Green composting, recycling & chemical roundups
- EE/P2 assessments
- Beautification projects and tree planting
- Sustainability education projects
- Bike paths
- Dust mitigation and paving

## Other Projects



- Education and outreach
- Environmental management systems
- State priorities (ozone, buses, fire mitigation)
- Wetlands restoration
- Habitat recovery and conservation easements
- Quality of life projects (light, noise and odor)
- Emergency response (fire equipment)



## SEP Lessons in General

- Donations popular and energy projects easy
- Press release
- Outcomes
- StEPP Foundation
- Settlement priority
- Environmental organization support
- Notify legislators and coordinate with locals
- Other state agencies
- Take care with agendas

# Future

- Flexibility and simplicity
- Environmental cost accounting
- Coordination between agencies
- Measure and track outcomes
- Partnerships
- Communication critical
- Solve environmental problems





