SCHOOL ANTI-IDLING CAMPAIGN

Air Quality Subcommittee
August 2015
GOAL

- Reduce bus and personal vehicle idling around schools
  - Environmental, health, and economic benefits

- Outgrowth of Wilmington Asthma Action Plan
Chronic disease that inflames and tightens airways
  - Indoor and outdoor triggers

About 9.5% of NCC residents have asthma
  - Nationally, more common among children, women, blacks, Puerto Ricans, and low-income

A leading cause of Emergency Department visits

ASTHMA FACTS
Centers for Medicare and Medicaid Innovation (CMMI)

Nemours-led asthma action planning across Delaware
  - Reduce asthma related ED visits by children

Wilmington work targeted in 19801/2
  - South Wilmington Planning Network support
ASTHMA RATES: 2004 UD SURVEY
Reduce **indoor** asthma triggers
- Mold, pests, smoking, cleaning supplies, etc.
- **Immediate Strategy**: Home health workers
- **Immediate Strategy**: Healthy Homes training (Housing Authority pilot)

Reduce **outdoor** asthma triggers
- Vehicle exhaust, industrial pollution
- **Immediate Strategy**: School bus idling
KEY IDLING FACTS

- Environmental
  - Ozone formation and haze

- Health
  - Diesel exhaust: direct links to asthma, suspected links to cancer

- Economic
  - One school bus idling for 30 min./day = $175.95 fuel/year
School Bus Driver Education/Awareness
- Christina School District
- August 2014

Program
- Student-produced anti-idling video
- Asthma and safe cleaning
- Environmental impact
- Anti-idling recognition

NEMOURS CMMI GRANT
- CMMI funding ended
- WILMAPCO leading the anti-idling work
- Expanding efforts
  - School bus driver education/awareness
  - Private vehicle idling reduction

**CURRENT CAMPAIGN**
School bus driver education/awareness schedule

- Colonial School District (August 19)
  - 70 drivers

- Christina School District (August 26)
  - 190 contracted drivers
  - Only engaged district drivers last year

BUS ANTI-IDLING
SCHOOL-WIDE AWARENESS

Presentation at assembly(ies)
• Mascot assembly

School anti-idling policy
• Signage around school

Ozone Flag Program

Literature distribution

CAR ANTI-IDLING
TARGETED SCIENCE/HEALTH CLASS(ES)

Asthma curriculum

Presentation from experts

Interaction w/air quality monitoring equipment

Mock enforcement and encouragement of anti-idling policy

CAR ANTI-IDLING
AIR QUALITY MONITORING

Pre-and post program measurements

Interaction with targeted science/health class

CAR ANTI-IDLING
VIDEO PRODUCTION

Documentation of work

Production of video to promote work at other schools

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CAR ANTI-IDLING
- Tied to Next Generation Science Standards
- Schools choose level of involvement
- Funding: DERA, WILMAPCO, in-kind

CAR ANTI-IDLING
Open to all schools, but focused on 19801/2

- Howard High School
- Elbert-Palmer Elementary School

CAR ANTI-IDLING