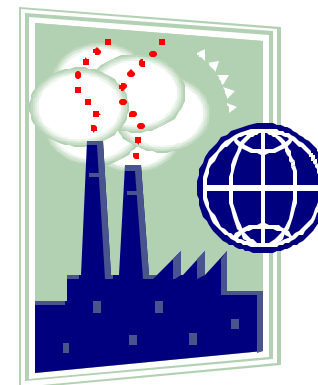


# Air Pollution

## Yesterday, Today, and Tomorrow



CAPCA, Fall 2004

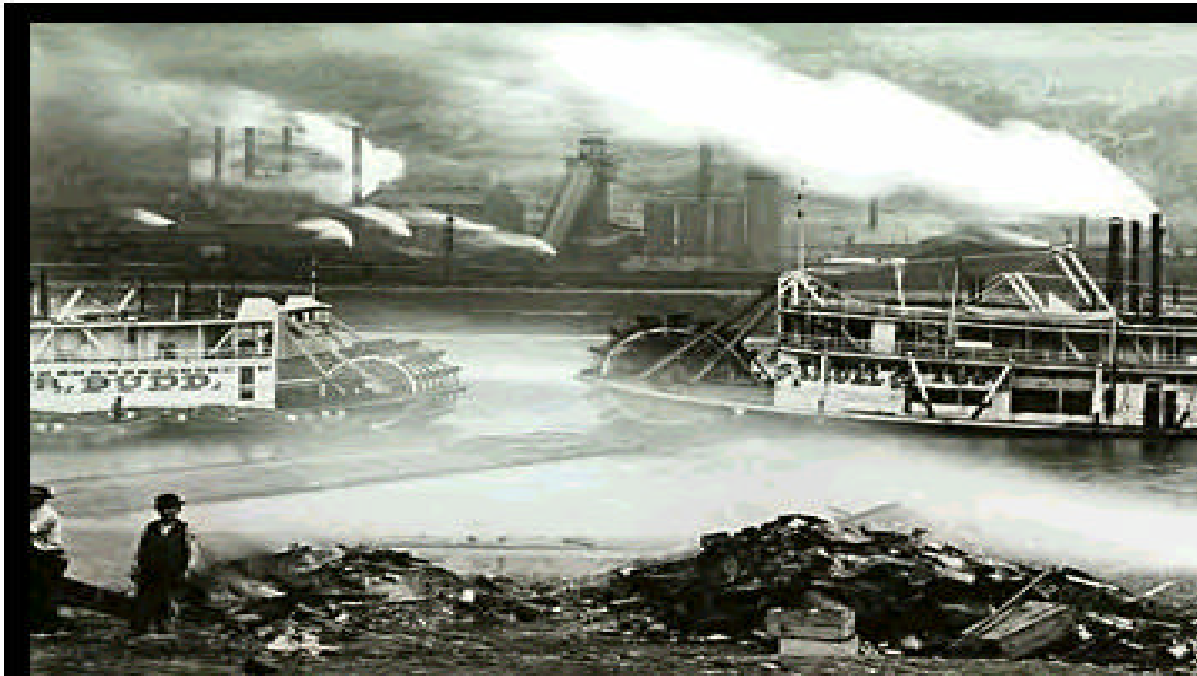


# Let's Go Back --



CAPCA, Fall 2004

# And Remember



Archive of Industrial Society, U. of Pittsburgh

Iron works from this era were not the huge **steel** mills of later period. The **Clinton Iron and Steel Company** (built 1859), in this photo, was tucked in the small wedge of riverbank where Station Square is now.

CAPCA, Fall 2004

# 2<sup>nd</sup> Grade for Some of Us



# What Does the Past Tell Us?

- Air Pollution is a problem!
- It causes problems
  - Donora
  - London
  - Bhopal
- The effects are being seen world-wide
  - Hg
  - PM<sub>2.5</sub>

**Health Problems and Problems to the  
Rest of Life on the Earth**

# Where Are We Today?

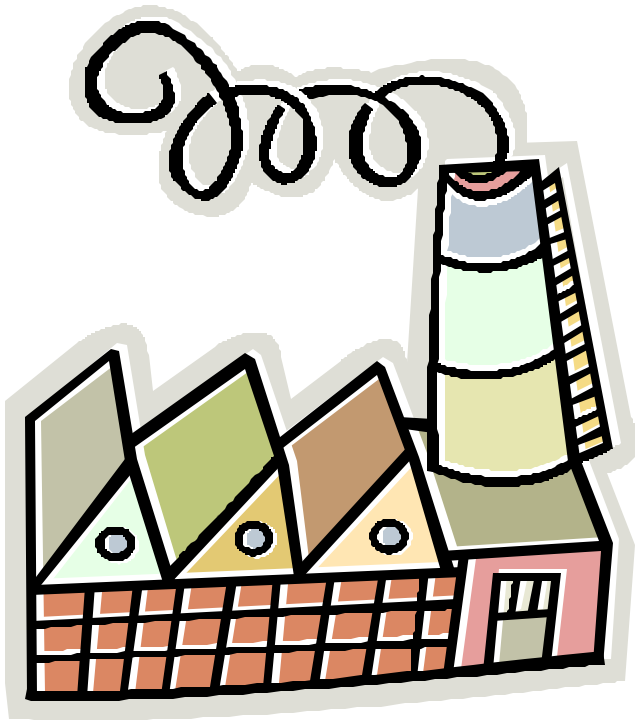
- Regulatory Scheme in place
- Traditional focus is on products of combustion and ozone
- More recently, HAPs/TAPs have been added
- NAAQS and AAL/MAAC's
- Routine Monitoring taking place
- Technology Based concepts
- Residual risk?

# The Future

## “AIR POLLUTION MEGA-TRENDS”

- Reduced “Industry,” More Service
- Infrastructure
- Transportation
- Command/Control vs Other Methods of Control
- Lifestyle vs Smokestack
- Stakeholders Being More Involved
- Integrated Viewpoint

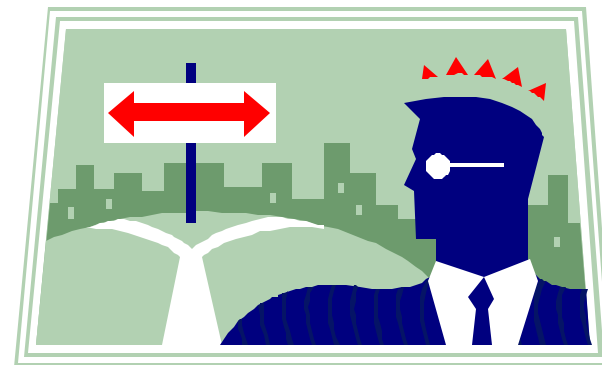
# Reduced “Industry,” More Service



- The “smoke stack” industry will continue to “shrink” in the US
- Fewer “point source emissions” in the traditional sense
- However, emissions will continue and controls will still be needed
- Fewer new controls and a move away from end-of-pipe control schemes

# Infrastructure

- Challenged by infrastructure (no one is really against roads!)
- Change in “how we get to work and how we do work will impact air pollution”
- Growth?



# Transportation



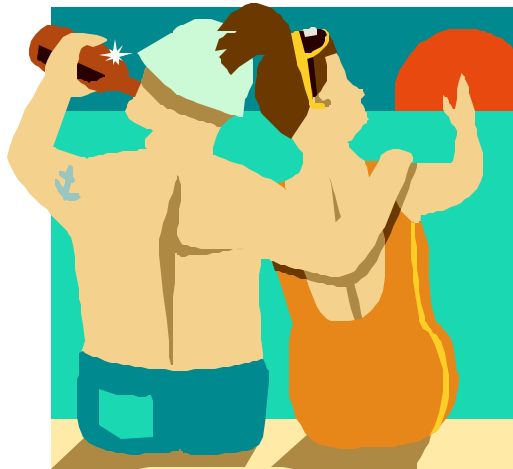
- More cars but cleaner cars in US
- More cars in the “Rest of World”
- More emissions and less “gas.”
- How does one operate a “Service Industry” on fewer emissions and less “gas?”
- Growth?

# Command/Control vs. Other Methods of Control

- Command/Control is not what the world wants – perception includes fleeing of industry to 3<sup>rd</sup> world nations
- What can replace Command/Control?

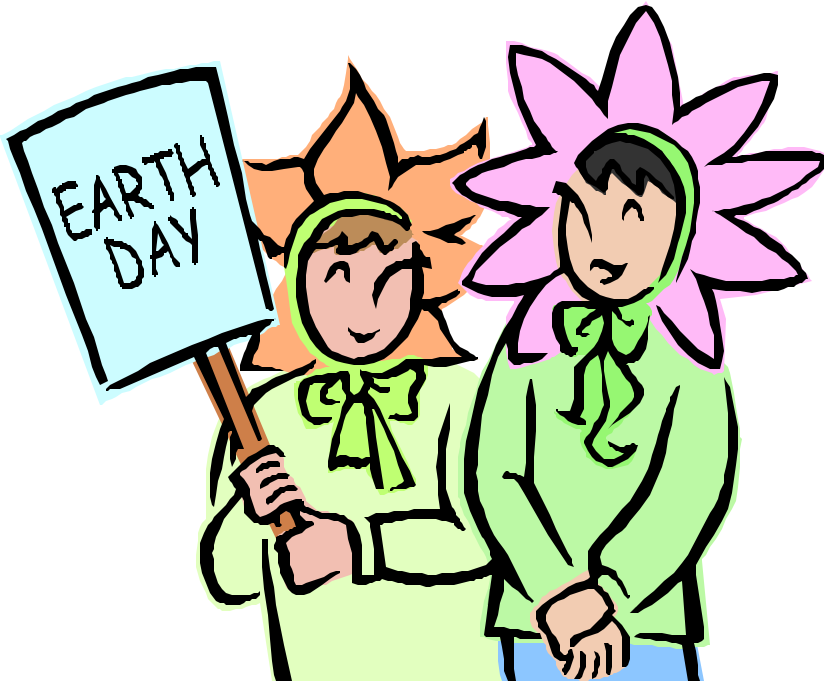


# Lifestyle vs. Smokestack



- With smokestacks gone or controlled, what is next? The lifestyle!
- What do you or your children or retired folks want to give up? SUV's? Suburban living? Vacations? Your home?
- How much daily effort to support environmental issues?
- More comprehensive environmental perspective

# Stakeholders Being More Involved



- No one is against “a good environment.” Everyone wants a good environment!!!
- It is that everyone just has a different idea of what “it” should be. Differing (conflicting?) ideas will be a challenge.
- And it is something for you to start today and I will start tomorrow!  
(variation on NIMBY)

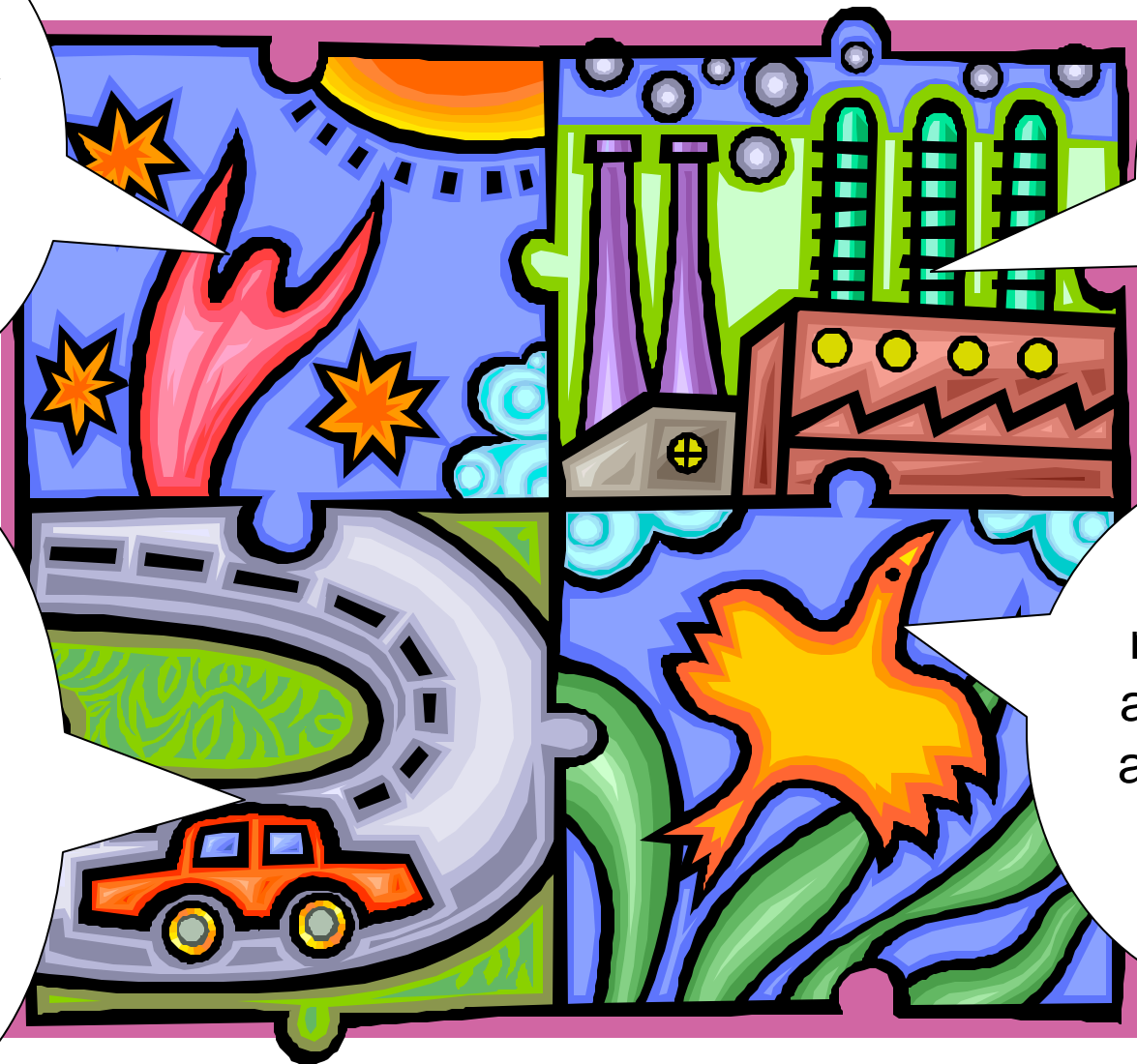
# Integrated Viewpoint

I want clean air and no haze!!!

I must have a good job with a future!!!

I want to get around anywhere I want to go!!!

But all this must work in all media and all around the earth!!!



# What About CAPCA?

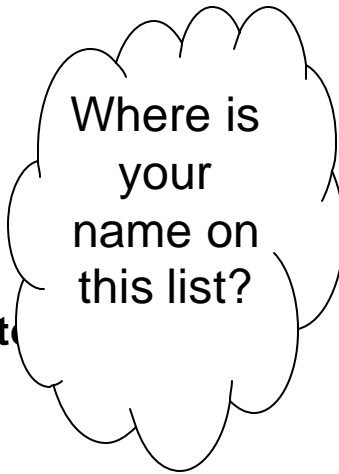
- CAPCA will continue to meet in the Spring and Fall
- Continue addressing needs of the regulators and the regulated community
- Changing landscape of participants – fewer traditional business leaders, more diverse membership, more diverse view of air pollution



With much better  
looking Presidents

# Past President's

1969	Bob Fulp	1987	Jack Thornberry
1970	Bob Fulp	1988	Jerry Rimmer
1971	Ken Stone	1989	Eric Schweitzer
1972	Bill Dentler	1990	Marshall Rackley
1973	Otto Pearson	1991	Jonathan Hale
1974	Ed Eccles	1992	Bill Culler
1975	Gene Slice	1993	Hugh Jernigan
1976	Walter Washington	1994	Cal Ogburn
1977	Con Proctor	1995	Sherry Stookey
1978	Phil Brantley	1996	Nancy Monts
1979	Adelaide Williams	1997	Barry Henderson
1980	Boyce Faulkner	1998	Craig Jackson
1981	John Parrish, Jr.	1999	Karen Crawford
1982	Tom Overcamp	2000	Carl Burrell
1983	David Ligon	2001	Tommy Edens
1984	Paul Wilms	2002	Jack Preston
1985	Peter Gruene	2003	Gordon Miller
1986	Arthur Toompas	2004	Keith Overcash





# CAPCA

(Carolinas Air Pollution Control Association)

**Let me be the 1<sup>st</sup> to  
invite you to the 70<sup>th</sup>  
Anniversary of the  
Carolinas Air  
Pollution Control  
Association for the  
Spring Meeting,  
2039!!!**

**70<sup>th</sup> Anniversary  
2039**