

# 2012 NAPA Strategic Plan

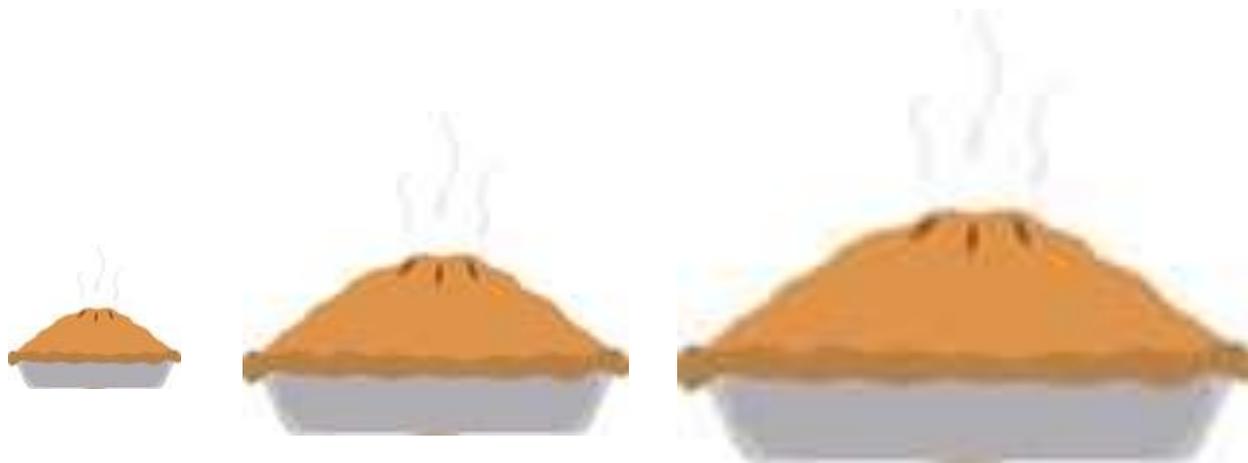


## 4 Focus Areas

# FOCUS #1

“Growing The Pie”

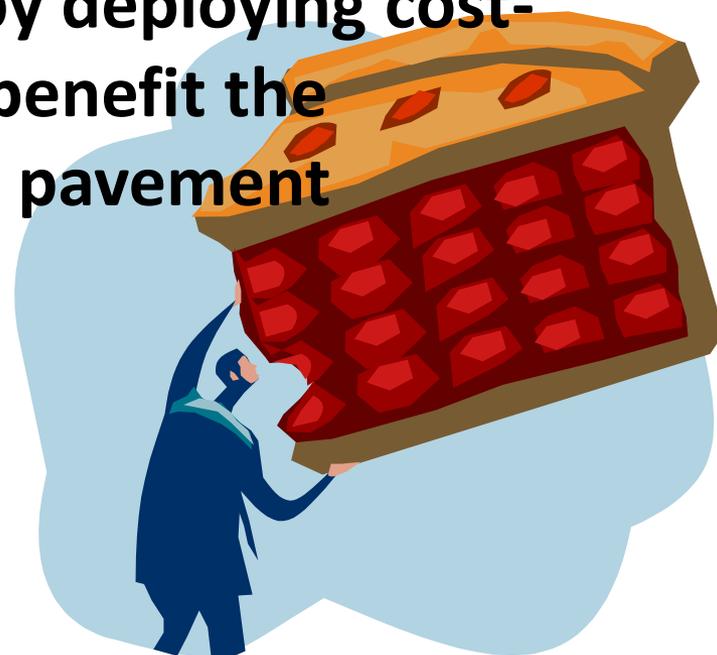
**Represent the asphalt pavement industry before the U.S. Congress**



## **FOCUS #2**

**“Cutting The Pie”**

**Support market share, gain new markets, and increase competitiveness by supporting the Asphalt Pavement Alliance and by deploying cost-effective solutions which benefit the environment and improve pavement performance.**



# FOCUS #3

“Protect The Pie”



**Represent the asphalt pavement industry before regulatory agencies.**

# FOCUS #4

“Selling the Pie!”

**Serve the asphalt pavement industry through dynamic membership, awards, and commendations programs; effective communications and public affairs programs; and high-value meetings.**



## **CUTTING THE PIE - FOCUS #2**

**Support market share, gain new markets, and increase competitiveness by supporting the Asphalt Pavement Alliance and by deploying cost-effective solutions which benefit the environment and improve pavement performance.**

- Financial support to APA
- Provide technical support and programs
- Support technical knowledge

# Expand APA Programs



- APA Full Time Leader and Staff
- APA Executive Board
- Increase funding support and programs
- Attract additional funding
- Expand trade show presence
- Deploy Field Resource Teams

# APA Staffing



- Mike Kvach – Executive Director
- Karen Faber – Administrator
- Robin Klinefelter – Director  
Marketing & Communications



# Field Resource Teams



- Meetings with decision makers
- Provide seminars, webinars, training
- Evaluate and comment on LCCA methods
- Help deploy key technologies
- Provide assistance on regulations or legislation impacting market share

## **PROTECT THE PIE - FOCUS #3**

- Anticipate and respond to regulatory initiatives**
  - Asphalt fumes and the IARC Monograph**

# WHAT ARE IARC MONOGRAPHS?



- IARC is the International Agency for Research on Cancer
- IARC brings together international panels of scientists to produce an IARC Monograph
- The Monograph 103 panel evaluated the long-term risk to humans from exposure to asphalt emissions
- Agencies use this information as scientific support for regulatory actions

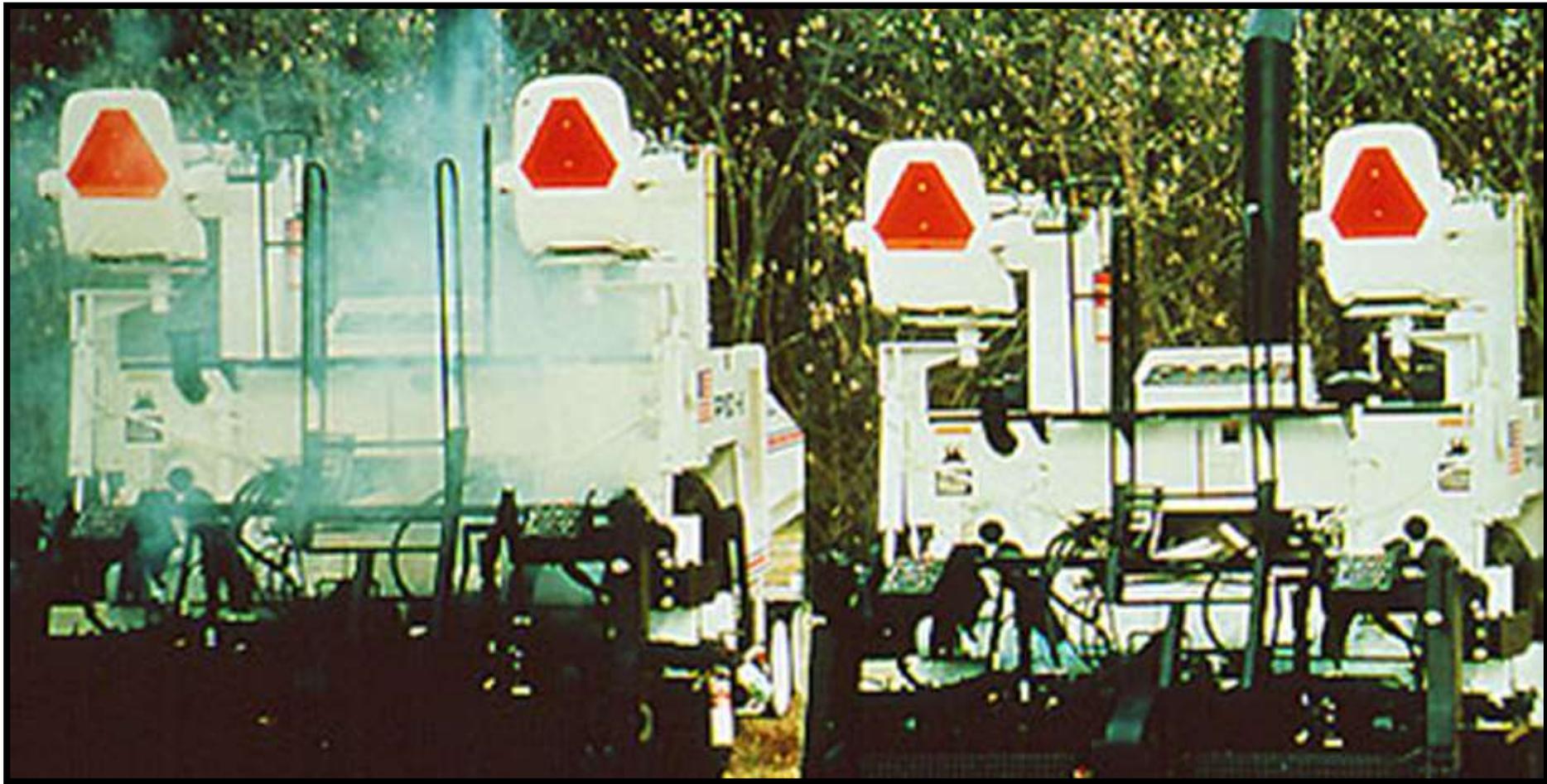
# U.S. PAVING INDUSTRY STRATEGY

A photograph of construction workers in safety gear (hard hats, high-visibility vests) operating a large paving machine on a road. The machine is white and has a red and yellow triangular warning sign on top. The workers are positioned around the machine, and the scene is set outdoors on a paved surface.

Reduce exposures

- Secure funding support and develop Fumes Team
- Reduce exposures
- Partner with government agencies, academic institutions, and unions to fill the science gaps
- International Partnerships

# ENGINEERING CONTROLS



# PAVING WITH WARM MIX



# KEY HEALTH STUDIES

- IARC Human (epi) Study
- AI Animal Skin Painting Study
- Fraunhofer Animal Inhalation Study
- No Cancer Finding For Paving Fume

# KEY TEMPERATURE STUDY



- Harvard School of Public Health
- Auburn University
- Boston University School of Public Health
- Temperature Impacts Fume Quantity and Composition

# Overall Evaluation



- Occupational exposure to Straight-Run Bitumen and their emissions during Road Paving (Overall 2B)
  - Basis – Inadequate evidence in humans (3)
  - Inadequate evidence in animals (3)
  - Mechanistic effect

# IARC RECOGNIZED SECTOR, GRADE, AND TEMPERATURE SEPARATION



- Sector separation: roofing, mastic, and paving separately
- Oxidation increases viscosity requiring higher application temperatures
- Grade separation: oxidized asphalt (roofing), hard asphalt (mastic), and straight-run asphalt (paving)
- Temperature separation

# HAZARD VERSUS RISK



“The distinction between hazard and risk is important, and the *Monographs* identify cancer hazards even when risks are very low at current exposure levels, because new uses or unforeseen exposures could engender risks that are significantly higher.”

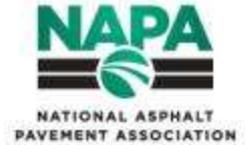
» Preamble, Part A, Section 2

# CLASSIFICATION FOR PAVING WORKERS



- IARC Classification – identifies a “possible” hazard for paving workers exposed to bitumen fumes

# HEALTH RISK ?



- What do we know about health risk for paving workers?
- Recent skin painting study negative
- Inhalation study with very high exposures - negative

# HEALTH RISK CONT.



- Large comprehensive IARC cancer study of European paving workers – negative
- IARC epi review “no suggestion of an increase in lung cancer”
- All 3 studies done by independent labs or organizations
- All 3 peer reviewed

# HEALTH RISK CONT.



- IARC cancer study reflects exposures 20 years ago
- Exposures are lower now (even without warm mix)
- In the U.S., engineering controls and warm mix have reduced exposures significantly
- Recent studies demonstrate no evidence of any cancer risk for paving workers
- Possible hazard but no risk

- “People working in the asphalt paving industry should not be concerned about this new IARC classification. The two key animal studies on paving asphalt did not show any evidence of cancer risk, and the major IARC cancer study of people working in the paving industry in Europe did not show any increased risk for cancer.”

DR. JIM MELIUS, TOP DOCTOR FOR THE LABORERS  
INTERNATIONAL UNION OF NORTH AMERICA

***RESOLUTION***

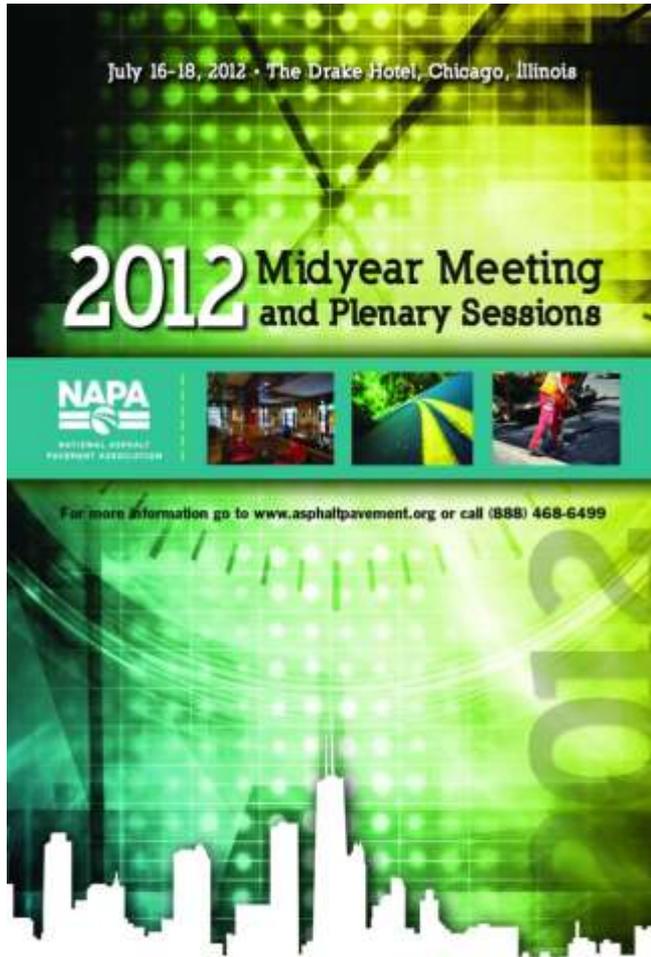


**INDUSTRY ENVIRONMENTAL SURVIVAL  
FUND**

**STATE ASPHALT PAVEMENT  
ASSOCIATIONS  
COMMENDATION**

**JANUARY 24, 2012**

# NAPA's 2012 Midyear Meeting



**July 16 – 18  
The Drake Hotel, Chicago**

**For more information:**

**[www.asphaltpavement.org/midyear](http://www.asphaltpavement.org/midyear)**