

California Air Resources Board



**Tire Pressure Regulation to
Reduce Climate Change Emissions**

**Public Workgroup Meeting
June 4, 2008**



Agenda

- **ARB Regulatory Update**
 - **Background**
 - **Proposed Strategy**
 - **Issues**
- **Timeline**
- **Action Items**
- **IPR Presentations**



ARB Regulatory Update

Background



- **Global Warming Solutions Act (AB32)**
- **Reports**
 - **California Inspection and Maintenance Review Committee (IMRC)**
 - **National Highway Traffic Safety Administration (NHTSA)**

ARB Regulatory Update

Proposed Strategy

- Regulation
 - Tire Check and Inflation
 - Inflation Pressure Retention IPR
- Outreach
 - Education
 - Technology



Proposed Strategy

Check and Inflate Emissions Savings

- **Potential Savings:**

- **2010 – 0.90 MMT CO₂**

- 101.8 million gallons of fuel**

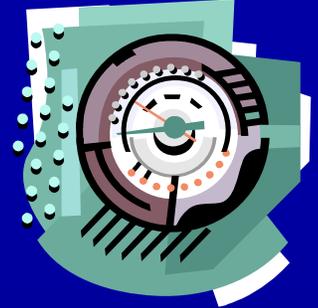
- **2020 – 0.31 MMT CO₂**

- 34.9 million gallons of fuel**



Proposed Strategy

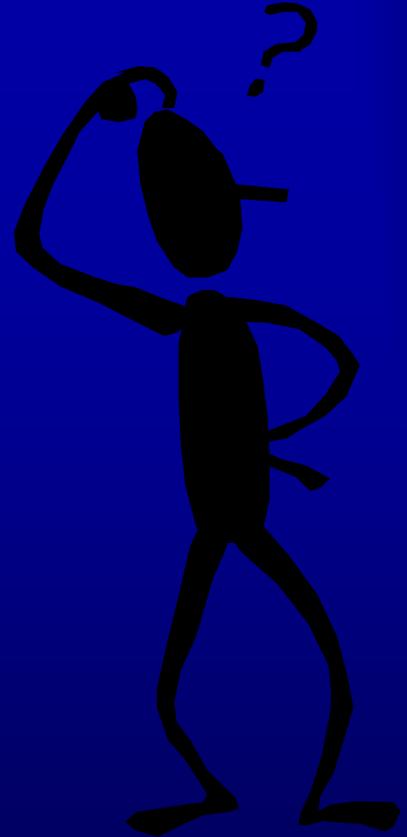
Inflation Pressure Retention



- **Tire IPR**
 - **IPR rates measure the amount of pressure loss over time**
 - **Measurement Standard ASTM F1112**
 - **California does not currently have a IPR standard**

Issues

- **Definitions**
- **Gas Station Air Compressors**
- **Enforcement**
- **Liability**
- **Agency Coordination**
- **Costs**



Definitions

- **Automotive Repair Dealer (ARD):** a person who for compensation, engages in the business of repairing or diagnosing malfunctions of motor vehicles
- **Original Equipment (OE):** parts that are installed on a vehicle from the factory
- **Aftermarket Equipment:** parts bought as replacement or add-on to the OE components
- **Preventative Maintenance:** Planned maintenance actions specified by the vehicle manufacturer aimed at the prevention of mechanical breakdowns and failure



Gas Station Air Compressors

AB 531



“Requires every service station in California to provide water, compressed air, and a gauge for measuring air pressure for automotive purposes at no cost to customers who purchase motor vehicle fuel during operating hours”

Enforcement



- **ARB Will Enforce Regulation**
- **Regular Audits Through State Agency Partnerships**
- **Automobile Repair Dealers Will Be Responsible For Non-Compliance**
- **Exemptions Will Not Be Provided**

Liability

- Annual Tire Inflation Guidebook
- Standard Grade Gauges
- Properly Inflated Tires Provide Optimal Safety Benefits



Agency Coordination

- California Energy Commission CEC
- California Integrated Waste Management Board CIWMB
- Bureau of Auto Repair BAR



Costs



- **Estimated Cost**
 - **Average Consumer Cost:**
 - **\$4.00 per service**

 - **Average Facility Cost:**
 - **\$100 for tire gauges and reference book**

 - **\$600 for tire gauge, reference book, and air compressor**

- **Environmental Justice**

Regulatory Timeline



- **Research and Outreach – Ongoing**
- **Regulatory Development – Workgroups**
- **First Workshop - August 2008**
- **Staff Report Draft Regulation – December 2008**
- **Board Consideration – First Quarter Of 2009**

Questions / Comments



Action Items

Future Meetings/Contact Info

- Action Items
- Future Public Workshop: August 2008
- Contact Information:
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