

California Air Resources Board



Tire Pressure Regulation to Reduce Climate Change Emissions

**Public Workgroup Meeting
June 4, 2008**

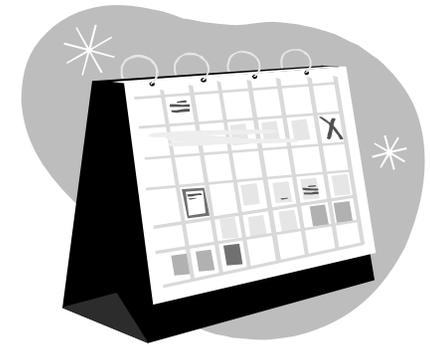
Air Resources Board



California Environmental Protection Agency

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**

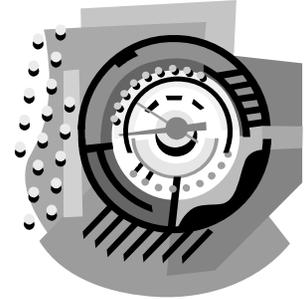
- 101.8 million gallons of fuel**

- **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**

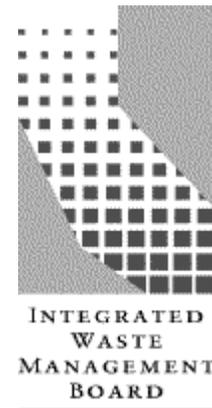
Agency Coordination

- **California Energy Commission CEC**



- **California Integrated Waste Management Board CIWMB**

- **Bureau of Auto Repair BAR**



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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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