Smog Check Annual Reports

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Engineering and Research Branch
Bureau Advisory Group Meeting
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Smog Check Reporting Requirements

• U.S. EPA Annual Report (I/M Rule Section 51.366)
  – Analyses of failure rates, number of retests, vehicles not certified after initial failure, etc.

• Smog Check Performance Report (H&S §44024.5(b))
  – AB 2289 (Statutes of 2010) – Recreate analysis originally used to justify AB 2289, STAR.

• Both reports available on BAR’s Web site
Roadside ASM Failure Rates for 1976 – 1995 Model-Year Vehicles Within One Year Of Passing a Smog Check

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<tbody>
<tr>
<td></td>
<td>All Station Types</td>
<td>Non-STAR</td>
</tr>
<tr>
<td>Fail</td>
<td>49%</td>
<td>36%</td>
</tr>
<tr>
<td>Pass</td>
<td>19%</td>
<td>19%</td>
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<tr>
<td>Combined Fail Rate</td>
<td>24%</td>
<td>23%</td>
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Roadside ASM Tailpipe Failure Rate Within 1 Year 1976-1995 Model Year Vehicles (Scenario #1)

- Low Performing (FPR* ≤ 0.1): 70%
- Average Performing: 60%
- High Performing (FPR* ≥ 0.9): 51%

*Follow-up Pass Rate per CCR section 3340.1
Roadside ASM Tailpipe Failure Rate Within 1 Year
1976-1995 Model Year Vehicles (Scenario #2)

- 2009 Study (2003-2006 Roadside Data)
  - Low Performing (FPR* ≤ 0.025): 68%
  - Average Performing: 55%
  - High Performing (FPR* ≥ 0.975): 38%

- 2015 Study (2013-2014 Roadside Data)
  - Low Performing (FPR* ≤ 0.025): 69%
  - Average Performing: 36%
  - High Performing (FPR* ≥ 0.975): 23%

*Follow-up Pass Rate per CCR section 3340.1
Questions and Comments

Submit additional questions and/or comments to:

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