California High-Speed Rail

Sustainability Report Highlights

"High-speed rail is the most sustainable transportation option for keeping California moving in the 21st Century. It is integral to supporting the State’s leading sustainability and climate change policies."

Jeff Morales
Chief Executive Officer

High-Speed Rail Saves 2.1 to 2.8 MTCO₂e by 2030

$14 million investment in clean agricultural equipment to offset emissions

Minimizing Construction GHG Emissions

- Renewable and Bio Diesels: Avoided Emissions
- Efficient Vehicles: Avoided Emissions
- Tier 4: Avoided Black Carbon
- Recycling: Avoided Emissions
- Additional Actions to Sequester, Prevent, or Avoid GHG Emissions

Ongoing Authority Practices that Reduce or Avoid GHG Emissions

- Concrete Recycling
- Mixed Recycling
- Metals Recycling
- Mixed Waste

Mode Comparison

Grams of CO₂, Per Passenger Mile*

<table>
<thead>
<tr>
<th>Mode</th>
<th>Burden</th>
<th>Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air</td>
<td>224</td>
<td></td>
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<tr>
<td>On-Road</td>
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<td></td>
</tr>
<tr>
<td>Off-Road</td>
<td>149</td>
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</table>

*Grams per passenger mile were developed based on GHG emissions results developed from the VMT and Air Trip reduction outputs of the ridership and revenue model developed for the 2016 Business Plan. Load factors of 101 passengers per plane, 1.25 passengers per auto, and 265 passengers per train were used.

To view the entire report visit: http://www.hsr.ca.gov/