Greening Colorado Transportation

Colorado Rail Annual Meeting April 27, 2019

Becky English
Rail Love
Evolving Principles
Relative Green-ness

Energy intensity of different passenger transportation modes

<table>
<thead>
<tr>
<th>Mode</th>
<th>Energy Intensity (TOE/million passengers-km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large cars</td>
<td>64.72</td>
</tr>
<tr>
<td>Aviation</td>
<td>42.98</td>
</tr>
<tr>
<td>Cars</td>
<td>42.96</td>
</tr>
<tr>
<td>Buses and minibuses</td>
<td>14.08</td>
</tr>
<tr>
<td>2&amp;3 wheelers</td>
<td>10.67</td>
</tr>
<tr>
<td>Rail</td>
<td>4.10</td>
</tr>
</tbody>
</table>

*TOE is tonne of oil equivalent, a unit of measure to indicate the amount of energy released in burning one metric ton of crude oil.*

Chart: The Conversation, CC-BY-ND • Source: International Energy Agency • Get the data

The Northeast Corridor sees millions of riders a year, but expanding rail in the U.S. is always fraught. // Michael Dwyer/AP

Why Trains Are So Much Greener Than Cars or Airplanes

ANDREAS HOFFRICHTER  APR 1, 2019
Leadership
Sierra Club Transportation Policy

- Healthy Communities & Transportation
- Minimize impacts
- Universal access
- Locality
- Minimize travel requirements
- Smart land use
- Eliminate certain subsidies
Sierra Club Draft Rail Policy

- Identify & link to rail & light rail lines
- Prioritize desired new lines
- Solutionary Rail
- Rail Passenger Association
- Railvolution – Rail Trust Fund
Rail Ambivalence
Americans Want Trains
What is Rail?
New Systems

President's Message

Rail is the more sustainable route!
Technological Innovation

Railroads continue to tap drone technology to inspect track, bridges
I-70 Mountain AGS Study 2014

ADVANCED GUIDEWAY SYSTEM (AGS) FEASIBILITY STUDY
August 2014
Duh
WOULD YOU LIKE TO TAKE A TRAIN FROM CHEYENNE TO DENVER?

CHRIS BROOKS | April 10, 2019
Bert Melcher

- Lifetime Achievement
- Conservationist
- of the year

SIERRA CLUB
Thank You!

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