Clean Energy Forum 2014

Ground Transportation Panel

JoAnn A. Yukimura, Councilmember
Housing and Transportation Committee Chair

County of Kaua‘i
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Total US VMT

2000 - 2012

- All Vehicles: +8%
- Personal Vehicles: +6%
- Comm. Trucks: +30%

2006 - 2012

- All Vehicles: -2%
- Personal Vehicles: -4%
- Comm. Trucks: +20%

Source: FHWA and US Census Bureau
Per Capita US VMT

2000 - 2012

- All Vehicles: -3%
- Personal Vehicles: -5%
- Comm. Trucks: +17%

2006 - 2012

- All Vehicles: -6%
- Personal Vehicles: -8%
- Comm. Trucks: +15%

Source: FHWA and US Census Bureau
Hawaii Motor Vehicle Travel Trends

Total Vehicle Miles of Travel

- 2000 - 2012
- 2006 - 2012

- 1%

+ 18%

Per Capita Vehicle Miles of Travel

- 2000 - 2012
- 2006 - 2012

- 3%

- 6%

Source: FHWA and US Census Bureau
Figure 4-3: Percent of population aged 60+ years in Kaua‘i County

Source: Hawai‘i DBEDT
To Meet Demand for Public Transportation, We Need:

1. Vision
2. Plan
3. Funding
Comparison of island-wide annual Vehicle Miles Traveled (VMT) through 2035 under the Baseline and Preferred Scenarios.
The transit program includes strategies to meet the County's policy target of growing transit ridership to 6,000 weekday trips by 2020, and 18,000 weekday trips by 2035.
Figure 4-6: Road sections with five highest traffic volumes in Kaua‘i County, 2009

Average Annual Daily Traffic (AADT)

- Kuhio Hwy - Wailua to Hanamaulu: 34,100
- Kuhio Hwy - Kapaa to Wailua: 24,100
- Kaumualii Hwy - Puhi to Maluhia Rd: 22,500
- Kuhio Hwy - Hanamaulu to Lihue: 21,600
- Kaumualii Hwy - Omao to Kalaheo: 18,900

Source: Hawai‘i DOT
<table>
<thead>
<tr>
<th>Indicator</th>
<th>2010 Level</th>
<th>Difference between 2010 and 2035</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Baseline</td>
</tr>
<tr>
<td>Annual VMT (Vehicle Miles Traveled)</td>
<td>771.5 million</td>
<td>▼ 19%</td>
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<tr>
<td>Annual VMT per Capita</td>
<td>9,496</td>
<td>▼ 3%</td>
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<tr>
<td>Annual Gallons of Motor Fuel Consumed</td>
<td>29.7 million</td>
<td>▼ 13%</td>
</tr>
<tr>
<td>Annual Gallons of Motor Fuel Consumption per Capita</td>
<td>365</td>
<td>▼ 29%</td>
</tr>
<tr>
<td>Annual GHG Emissions from Ground Transport (kg)</td>
<td>274 million</td>
<td>▼ 13%</td>
</tr>
<tr>
<td>SOV* Mode Share</td>
<td>54.4%</td>
<td>0%</td>
</tr>
<tr>
<td>MOA* Mode Share</td>
<td>38.7%</td>
<td>0%</td>
</tr>
<tr>
<td>Transit Mode Share</td>
<td>0.4%</td>
<td>▼ 32%</td>
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<tr>
<td>Walk Mode Share</td>
<td>4.5%</td>
<td>0%</td>
</tr>
<tr>
<td>Bike Mode Share</td>
<td>2.0%</td>
<td>0%</td>
</tr>
<tr>
<td>Fatalities from Motor Vehicle Collisions per 100 Million VMT</td>
<td>1.30</td>
<td>0%</td>
</tr>
<tr>
<td>Weekday Transit Ridership</td>
<td>1,641</td>
<td>▼ 71%</td>
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<tr>
<td>% of Adults Meeting the Minimum Levels of Physical Activity**</td>
<td>57%</td>
<td>0%</td>
</tr>
<tr>
<td>Average Annual Household Transportation Costs</td>
<td>$ 14,860</td>
<td>▼ 15%</td>
</tr>
</tbody>
</table>

*SOV - Single Occupant Vehicle, MOA - Multiple Occupant Auto

**The CDC recommends adults get 30 minutes of moderate exercise 5 days a week to maintain a healthy lifestyle.
Figure 4-4: Annual VMT trend in Kaua‘i County

Source: Hawai‘i DBEDT