Honolulu Rail Transit: Building a Better Future
Rail~Volution
October 2013
Hawaii: The most isolated place on Earth
Hawaii: The state that is most dependent on imported fossil fuel

Island of O`ahu
Population: 1 million people

Statewide Population: 1.3 million people
Hawaii: Some of the worst traffic congestion in the nation

Island of O`ahu
600-square miles

Oahu’ s congestion ranked second in the nation — behind Los Angeles
20 Miles and 21 Stations

Four Park-and-Ride Lots located at:
East Kapolei, UH-West O`ahu, Pearl Highlands & Aloha Stadium
Current City Bus Deployments

Buses can be deployed to underserved areas on Oahu
Rail Transit Corridor

• Nearly 70% of residents living in the project corridor
• More than 80% are working in the project corridor
• 750,000 more daily trips in the project corridor
Transportation Benefits

- Average weekday ridership of more than 116,300 trips by 2030
- 40,000 fewer vehicles on the road each weekday by 2030
Economic Benefits

• Rail construction will create about 10,000 jobs each year
• Rail will infuse our economy with billions of dollars via transit-oriented development
• Rail will increase mobility, transportation reliability and enhance workforce productivity
• Motorists can save more than $11,000 annually by taking public transit
Environmental Benefits

Annual Energy Savings Equivalent to:

- 6,500 homes use of electricity for one year
- 120,000 barrels of oil consumed
- 2.2 million propane cylinders used for home barbecues
- 5.9 million gallons of gasoline consumed

- Reduces our carbon footprint and our dependence on imported fossil fuel
- An electrically powered system will make the most of renewable energy sources
- Photovoltaic panels are being considered
- Transit-oriented development encourages density in the urban core, preserving rural portions of our island
Rail is the Catalyst for Smart Growth

- Inspires livable, walkable and healthier communities
- Creates a “greener,” more sustainable environment
- Preserves pristine parts of Oahu for future generations
- Creates affordable housing opportunities
- Improves the quality of life for island residents
# Infill/Redevelopment vs. Undeveloped Land

<table>
<thead>
<tr>
<th>Business As Usual</th>
<th>Island-Wide 2050</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>18% Infill/Redevelopment</td>
</tr>
<tr>
<td></td>
<td>82% Undeveloped Land</td>
</tr>
<tr>
<td>Forecast Future</td>
<td>27% Infill/Redevelopment</td>
</tr>
<tr>
<td></td>
<td>73% Undeveloped Land</td>
</tr>
<tr>
<td>Corridor Focus</td>
<td>46% Infill/Redevelopment</td>
</tr>
<tr>
<td></td>
<td>54% Undeveloped Land</td>
</tr>
</tbody>
</table>

Source: Calthorpe Associates for the Pacific Resource Partnership 2012
## Land Consumed

<table>
<thead>
<tr>
<th></th>
<th>Island-Wide</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2010-2035</td>
<td>2010-2050</td>
<td></td>
</tr>
<tr>
<td><strong>Business As Usual</strong></td>
<td>16.3 sq. miles</td>
<td>21.8 sq. miles</td>
<td></td>
</tr>
<tr>
<td><strong>Forecast Future</strong></td>
<td>12.4 sq. miles</td>
<td>16.8 sq. miles</td>
<td></td>
</tr>
<tr>
<td><strong>Corridor Focus</strong></td>
<td>5.2 sq. miles</td>
<td>7.1 sq. miles</td>
<td></td>
</tr>
</tbody>
</table>

Source: Calthorpe Associates for the Pacific Resource Partnership 2012
Project Schedule on Track

- More than half of the $5.2-billion system’s contracts have been awarded
- Interim opening of the first 10 miles in 2017
- Full 20-mile system opens in 2019
Thank You