LEGACY PROJECT WORKSHOP
Focus on Fort Lauderdale: Next 100 Years

Transportation and Land Use

Gregory Stuart, Executive Director
Broward Metropolitan Planning Organization

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Fort Lauderdale, Florida

www.browardMPO.org

Transportation accounts for 27% of Greenhouse Gas Emissions

Greenhouse Gas Generators By Vehicle Type

Testimony Before the National Surface Transportation Policy and Revenue Study Commission, March 19, 2007
Obama Administration
Regional Greenhouse Gas Reduction Goals

• By 2050, reduction to 80% of 1990 levels.

35 MPG = 2020 CAFE standards for new vehicles.

By 2030, CO2 11% below 1990 levels.

Not enough to meet 2050 goal.
City dwellers have smaller carbon footprints, study finds
Greater use of public transport and denser housing make urbanites more eco-friendly than their rural counterparts.

<table>
<thead>
<tr>
<th>City</th>
<th>Carbon Emissions Per Capita (tonnes of CO2 equivalent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Washington DC</td>
<td>19.7</td>
</tr>
<tr>
<td>Glasgow</td>
<td>8.4</td>
</tr>
<tr>
<td>Toronto</td>
<td>8.2</td>
</tr>
<tr>
<td>Shanghai</td>
<td>8.1</td>
</tr>
<tr>
<td>New York</td>
<td>7.1</td>
</tr>
<tr>
<td>Beijing</td>
<td>6.9</td>
</tr>
<tr>
<td>London</td>
<td>6.2</td>
</tr>
<tr>
<td>Tokyo</td>
<td>4.8</td>
</tr>
<tr>
<td>Seoul</td>
<td>3.8</td>
</tr>
<tr>
<td>Barcelona</td>
<td>3.4</td>
</tr>
<tr>
<td>Rio de Janeiro</td>
<td>2.3</td>
</tr>
<tr>
<td>Sao Paulo</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Greenhouse gas emissions per capita (tonnes of CO2 equivalent). Source: Guardian/IIEED

Adam Vaughan
guardian.co.uk, Monday 23 March 2009 13.12 GMT
Local conditions are more important than global averages.

- Sea Level Rise
- Storms
- Temperature Changes
- Precipitation

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Challenges – Geography
• Prehistory to 1700s
1790
1895
1915
• 1924
1930s
1940s
1951
1965
Galt Ocean Mile, Fort Lauderdale
1960
Galt Ocean Mile, Fort Lauderdale

1972
Urban Design Study (Created 1972) for the Broward County Area Planning Board

- Multi-Purpose Centers
- Rapid Transit System
- Airport to the west
Urban Design Study (Created 1972) for the Broward County Area Planning Board

- Centers interconnected
- High density in east
- Very low density in west
1970s
1980s
2002
Plan achieved
How the Region Compares

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Broward MPO Vision

Transform transportation in Broward County to achieve optimum mobility with emphasis on mass transit while promoting economic vitality, protecting the environment, and enhancing quality of life.

-- 2035 Broward “Transformation”
Long Range Transportation Plan
2035 Long Range Transportation Plan
2035 Long Range Transportation Plan

High Capacity Transit

www.browardMPO.org
2035 Long Range Transportation Plan

Rapid Bus Transit

www.browardMPO.org
2035 Long Range Transportation Plan

Mobility Gateway Hubs $8.2m

www.browardMPO.org
2035 Long Range Transportation Plan

Mobility Anchor Hubs $1.9m

www.browardMPO.org
2035 Long Range Transportation Plan

Mobility Community Hubs $57k

www.browardMPO.org
Livability Planning Initiatives

Gateway Hub – Prototype

http://browardmpo.org/mpo/Livability.html

Safety
Public safety is a primary design concern. Blank walls and poor visibility should be avoided. Natural surveillance through proper siting and locations of windows provides one means of establishing a visual connection to the

Gateway Mobility Hub

Mobility Hubs are places where a majority of people interacts with the multi-modal transportation system with frequent transit service and high development potential. They are places of connection for walking, biking, park-n-ride, transit, carpooling, and, depending on the type of Mobility Hub, can also provide direct connections to concentrated activities such as housing, commercial, office, and entertainment.

A Gateway Hub is an active area with connections to high capacity transit surrounded by higher density mixed use developments including downtown areas and transit-oriented developments (TODs). Scan your mouse across the icons in this panel and in the picture above to learn more about the components of a Gateway Hub.
Regional Transportation / Land Use

South Florida East Coast Corridor
- Regional transit
- Access to employment centers
- Supports east/west connections

Downtown Fort Lauderdale Streetcar
- Exploring operating options
- Future connections to Tri-Rail Station and Airport

Collaboration
- Regional Long Range Transportation Plan
- Central Broward East/West Transportation
- Oakland Park Boulevard Corridor
- Broward Boulevard Corridor

The WAVE in front of Broward County Government Center
Central Broward East-West Transit Draft Environmental Impact Study

LRTP Premium Rapid Bus  Mobility Hubs
LRTP Premium High Capacity  Gateway
Rail  Anchor
Bus  BRT or Rail
The Wave  Community
i-Rail Station

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Gregory Stuart
Broward MPO
Executive Director
954-876-0033
STUARTG@browardmpo.org