



REGIONAL CLIMATE LEADERSHIP SUMMIT

**Southeast Florida –
Regional Considerations for
Mitigating and Adapting to Climate Change**

Transportation

Gregory Stuart, Executive Director
Broward Metropolitan Planning Organization

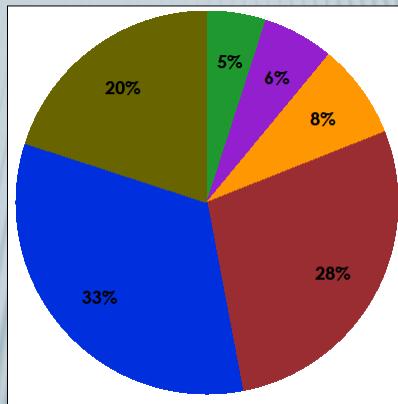
October 23, 2009
Broward County Convention Center
Fort Lauderdale, Florida



GREENHOUSE GASES – GENERATORS

GHG Emissions Nationwide

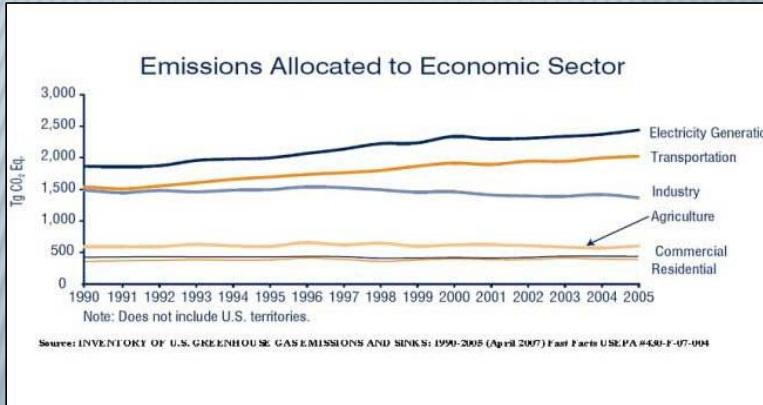
- Residential
- Commercial
- Agricultural
- Transportation
- Electricity
- Industry



climate.dot.gov

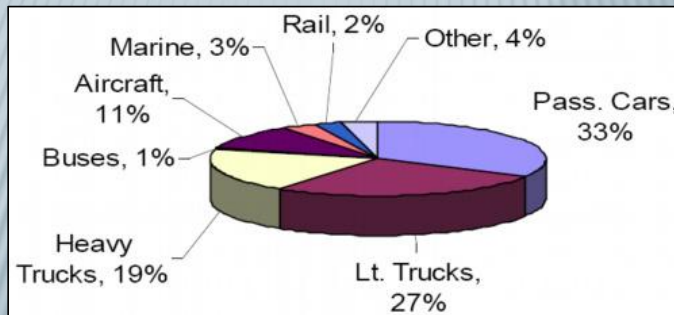
EMISSIONS TRENDS (1990-2005)

Transportation is 28% of U.S. GHG - and Rising



GREENHOUSE GASES – GENERATORS

By vehicle type

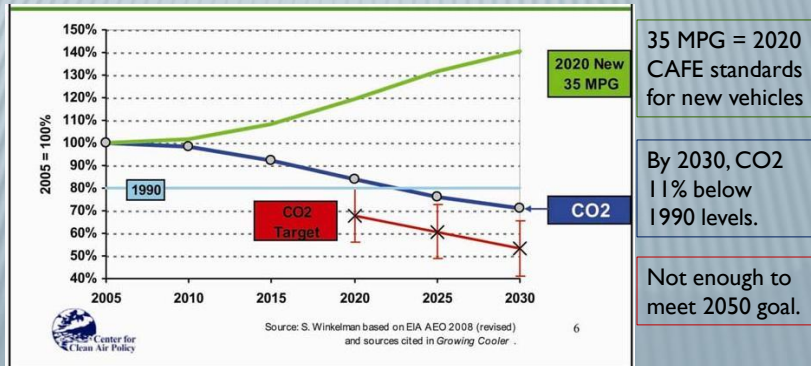


Testimony Before the National Surface Transportation Policy and Revenue Study Commission, March 19, 2007

EMISSIONS TRENDS (FUTURE)

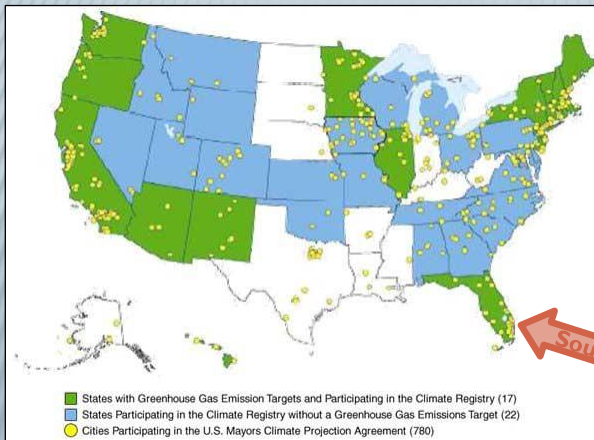
Obama Administration: Regional Greenhouse Gas Reductions Goals

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



PROGRESSIVE GHG CLIMATE ACTION PLANS

What are other Metropolitan areas doing:



- Reducing Auto Usage
- Improving Transit/ Premium Transit
- New Land Use Patterns
- Expanding Regional Rail Systems
- Upgrading Lights to LED
- Enhancing Signalization
- Utilizing Hybrid Cabs and Alternative Fuel Vehicles
- Employing Solar/Wind Energy

*Prepared by the Committee on Energy and Commerce - February 2008

FLORIDA



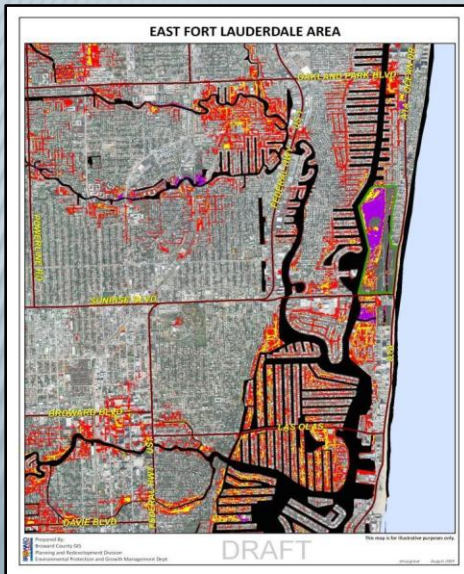
Local conditions are more important than global averages.

- Sea Level Rise
- Temperature Changes
- Precipitation
- Storms

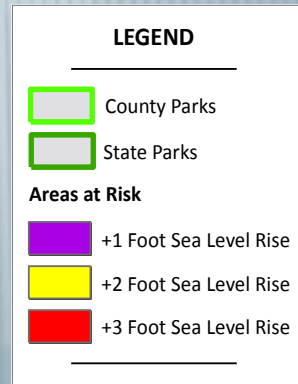
SOUTH FLORIDA REGIONAL PARTNERS



SEA LEVEL RISE



Potential impacts to 20% of County population



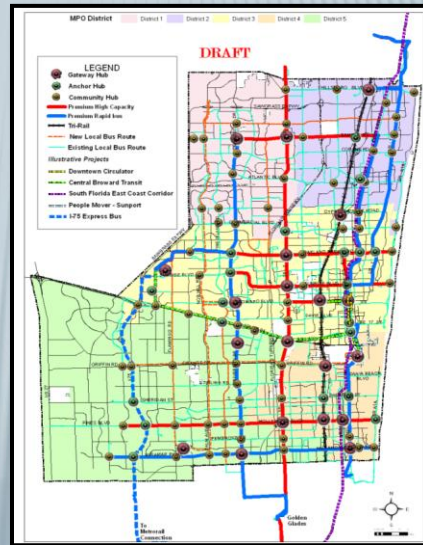
2035 LONG RANGE TRANSPORTATION PLAN (LRTP)

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.

-- Broward MPO Vision

2035 LRTP - COST FEASIBLE TRANSIT PLAN

- PREMIUM TRANSIT
 - 6 High Capacity Corridors
 - 5 Rapid Bus Corridors
- MOBILITY HUBS
 - 20 Gateway Hubs
 - 20 Anchor Hubs
 - 63 Community Hubs
- 6 New Local Service Routes
- 488 Miles of Bicycle Projects
- 317 Miles of Pedestrian Projects
- 251 Miles of Greenway Projects
- 58 Miles of Roadway Projects
- Freight Improvements
- ITS Improvements
- Ramp Signaling
- Travel Time Systems
- Weather Information Systems



PREMIUM TRANSIT

High Capacity



- Operates on its Own Dedicated Right-of-Way
- Signal Priority
- Shorter Headways
- Real Time Passenger Information
- Higher Capacity

Rapid Bus



- Operates in Mixed Traffic
- Signal Priority
- Shorter Headways
- Real Time Passenger Information
- Higher Capacity

MOBILITY HUBS

Gateway Hubs



- Enclosed Shelters
- Real Time Information
- Pre-Board Ticketing
- Surface or Structured Parking
- Restrooms Facilities
- Improved Pedestrian Facilities within 1/2 Mile Radius
- Improved Bicycle Facilities within 2 Mile Radius

Anchor Hubs



- Enclosed or Partially-Enclosed shelters
- Real Time Information
- Pre-Board Ticketing
- Surface or Structure parking
- Improved Pedestrian Facilities within 1/4 Mile Radius
- Improved Bicycle Facilities within 1 Mile Radius

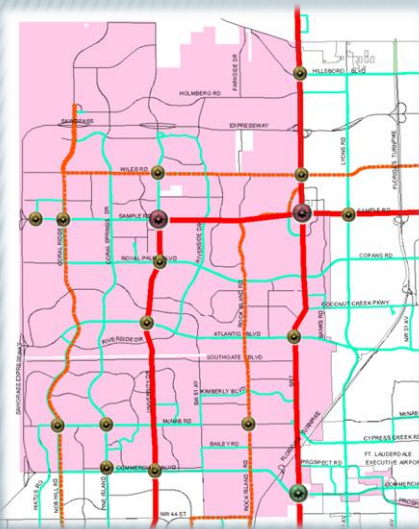
Community Hubs



- Partially Enclosed Shelter
- Real Time Information
- Improved Pedestrian Facilities within 1/4 Mile Radius
- Improved Bicycle Facilities within 1 Mile Radius

DISTRICT I

2035 LRTP Improvements

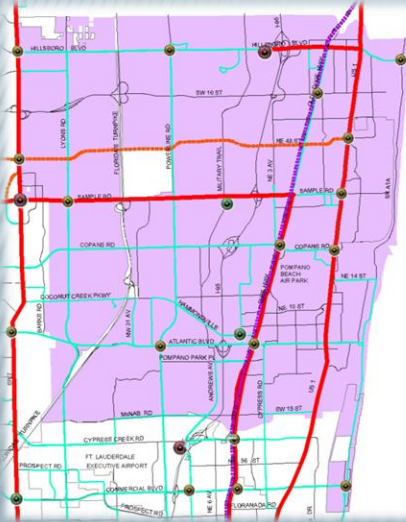


- Premium Transit
 - University Dr
 - US-441
 - Sample Rd
- Mobility Hubs
 - 2 Gateway Hubs
 - 2 Anchor Hubs
 - 12 Community Hubs
- New Local Service
 - Wiles Rd
 - Coral Ridge Dr/Nob Hill Rd
 - Rock Island Rd

Other Planned/Current Efforts

- Northern Broward County Transit-Supportive Infrastructure and Land Use Study – 1st area-wide livability study
- Connections to Palm Beach County

DISTRICT 2



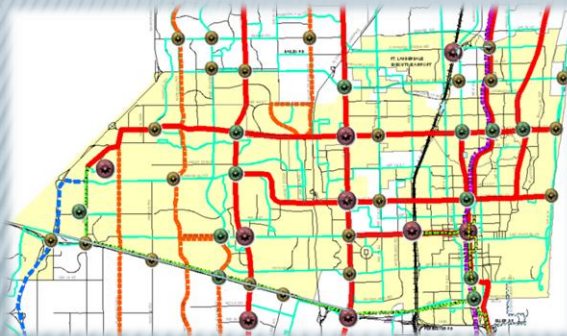
2035 LRTP Improvements

- Premium Transit
 - Dixie Hwy
 - US-1
 - Sample Rd
- Mobility Hubs
 - 1 Gateway Hub
 - 2 Anchor Hubs
 - 11 Community Hubs
- New Local Service
 - Wiles Rd

Other Planned/Current Efforts

- Stimulus Funding for Dixie Hwy
- Connections to Palm Beach County
- Coordination with SFECC

DISTRICT 3



2035 LRTP Improvements

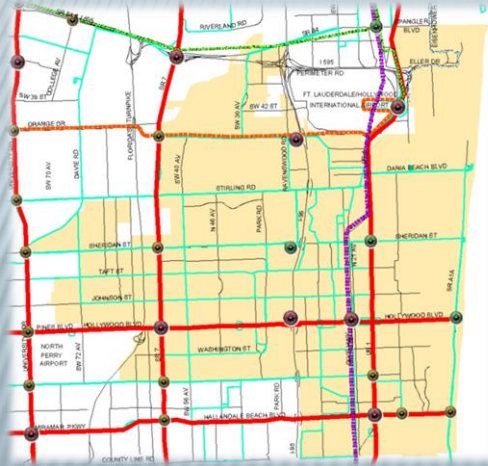
- Premium Transit
 - University Dr
 - US-441
 - Dixie Hwy
 - US-1
 - Broward Blvd
 - Sunrise Blvd
 - Oakland Park Blvd
- Mobility Hubs
 - 8 Gateway Hubs
 - 12 Anchor Hubs
 - 19 Community Hubs
- New Local Service
 - Flamingo Rd
 - Nob Hill Rd
 - Pine Island Rd
 - Rock Island Rd

Other Planned/Current Efforts

- THOR Corridor Studies (Broward Blvd, SR 7 & Oakland Park Blvd)
- Coordination on additional studies (I-595 Managed Lanes, SFECC, Ft. Lauderdale Downtown Circulator)



DISTRICT 4



2035 LRTP Improvements

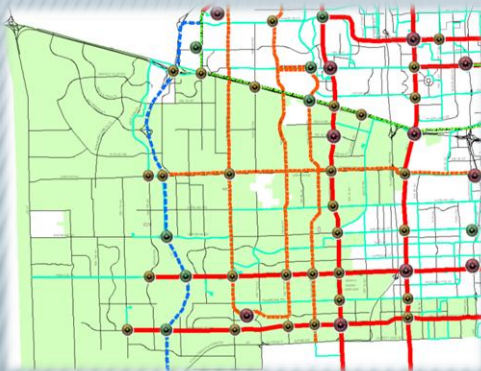
- Premium Transit
 - US-441
 - US-1
 - Hallandale Bch Blvd
 - Hollywood Blvd
- Mobility Hubs
 - 6 Gateway Hubs
 - 4 Anchor Hubs
 - 6 Community Hubs
- New Local Service
 - Griffin Rd

Other Planned/Current Efforts

- Coordination on additional studies (I-95 Managed Lanes, SFECC)
- Connections to Downtown Miami and Golden Glades



DISTRICT 5



2035 LRTP Improvements

- Premium Transit
 - University Dr
 - US-441
 - Hallandale Bch Blvd/Miramar Pkwy
 - Hollywood/Pines Blvd
- Mobility Hubs
 - 5 Gateway Hubs
 - 4 Anchor Hubs
 - 22 Community Hubs
- New Local Service
 - Flamingo Rd
 - Nob Hill Rd/Palm Ave
 - Pine Island Rd
 - Griffin Rd

Other Planned/Current Efforts

- Coordination on additional studies (I-595 and I-75 Managed Lanes)
- Connections to Downtown Miami and Golden Glades

TRANSPORTATION REAUTHORIZATION

CLEAN-TEA (Clean Low-Emissions Affordable New Transportation Equity Act)

- Link transportation planning with GHG reduction strategies
- Establish FHWA Office of Livability
- Encourage integrated planning by linking land use and transportation (i.e..Transit Oriented Development)

“Refocus. Reform. Renew. A new Transportation Approach for America.”

--US DOT

VISIONARY LEADERSHIP

“Housing, transportation, energy efficiency—these aren’t mutually exclusive; they go hand in hand.”



**--President
Barack Obama**



**--Governor
Charlie Crist**

“I am confident Florida’s Action Team on Energy and Climate Change will develop recommendations designed to further reduce greenhouse gas emissions and preserve our state’s beautiful natural environment.”



CONTACT INFORMATION

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