
REGIONAL CLIMATE LEADERSHIP SUMMIT

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

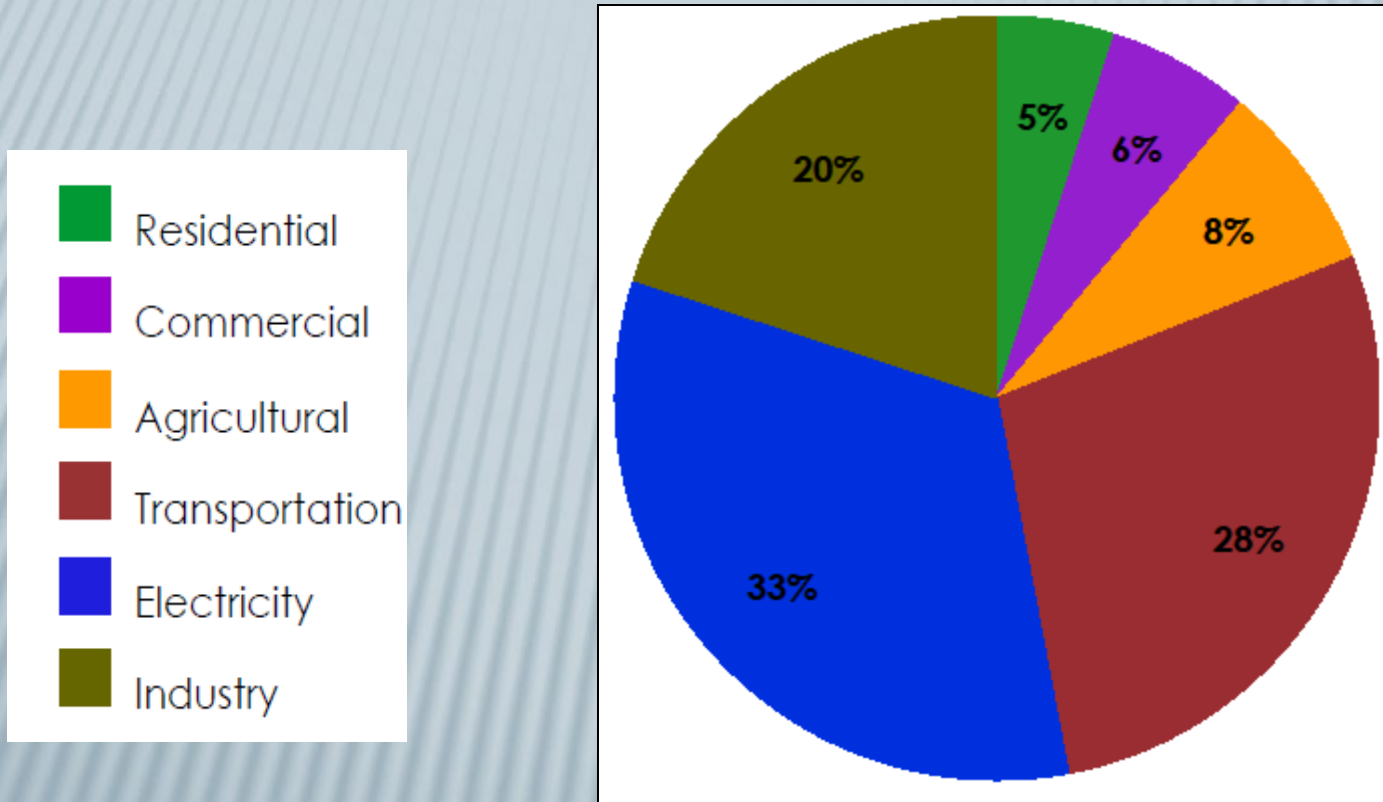
Transportation

Gregory Stuart, Executive Director
Broward Metropolitan Planning Organization

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

GREENHOUSE GASES – GENERATORS

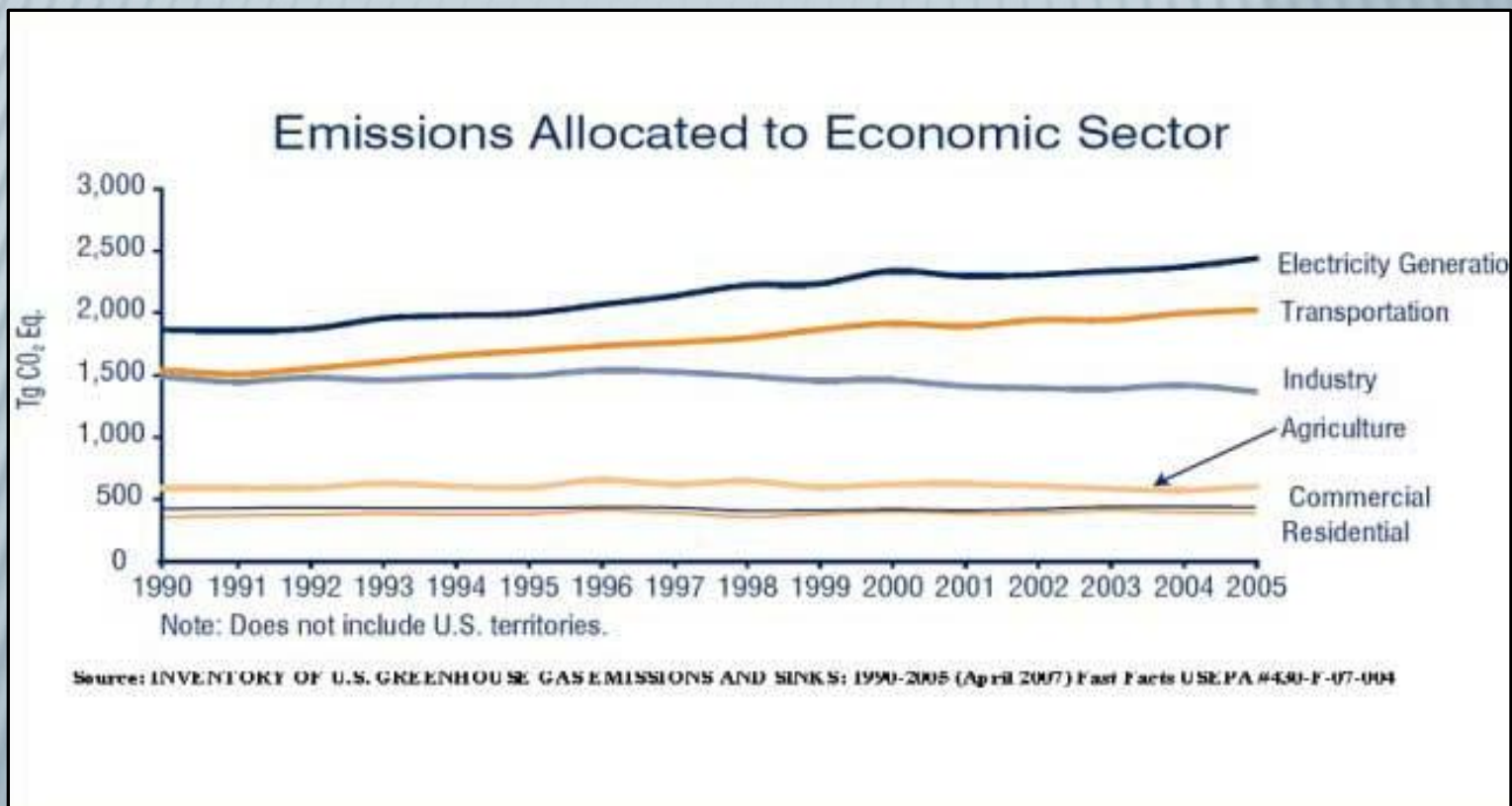
GHG Emissions Nationwide



climate.dot.gov

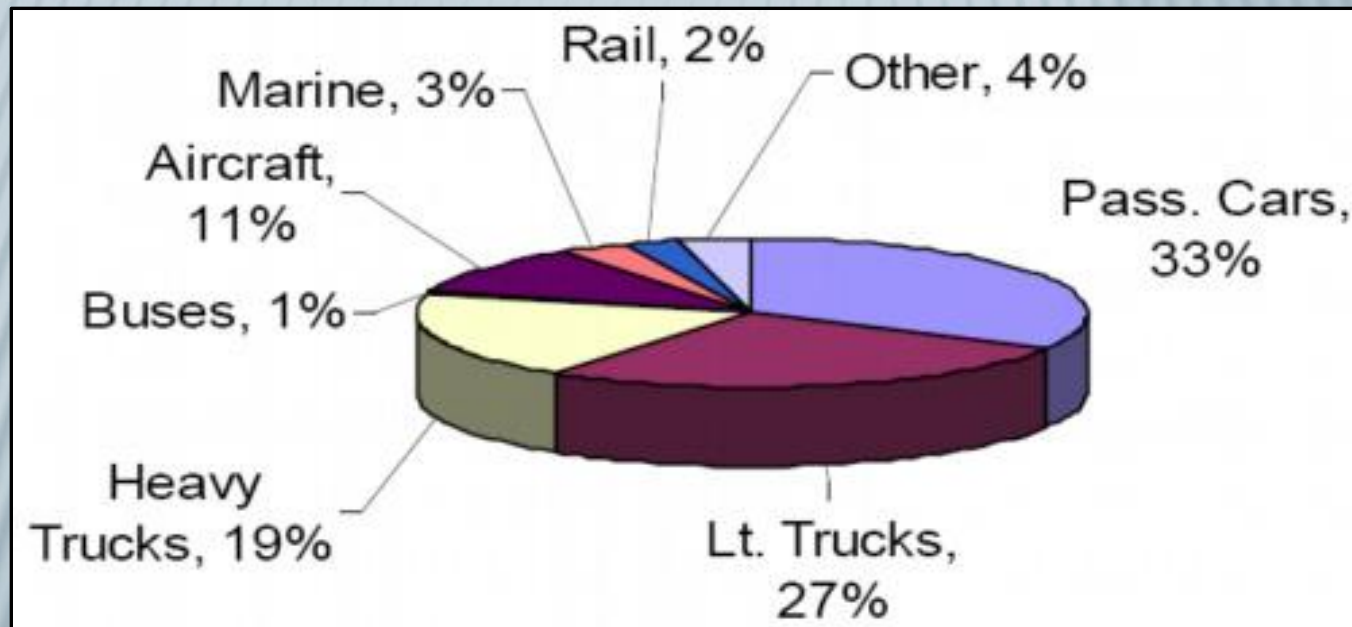
EMISSIONS TRENDS (1990-2005)

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



GREENHOUSE GASES – GENERATORS

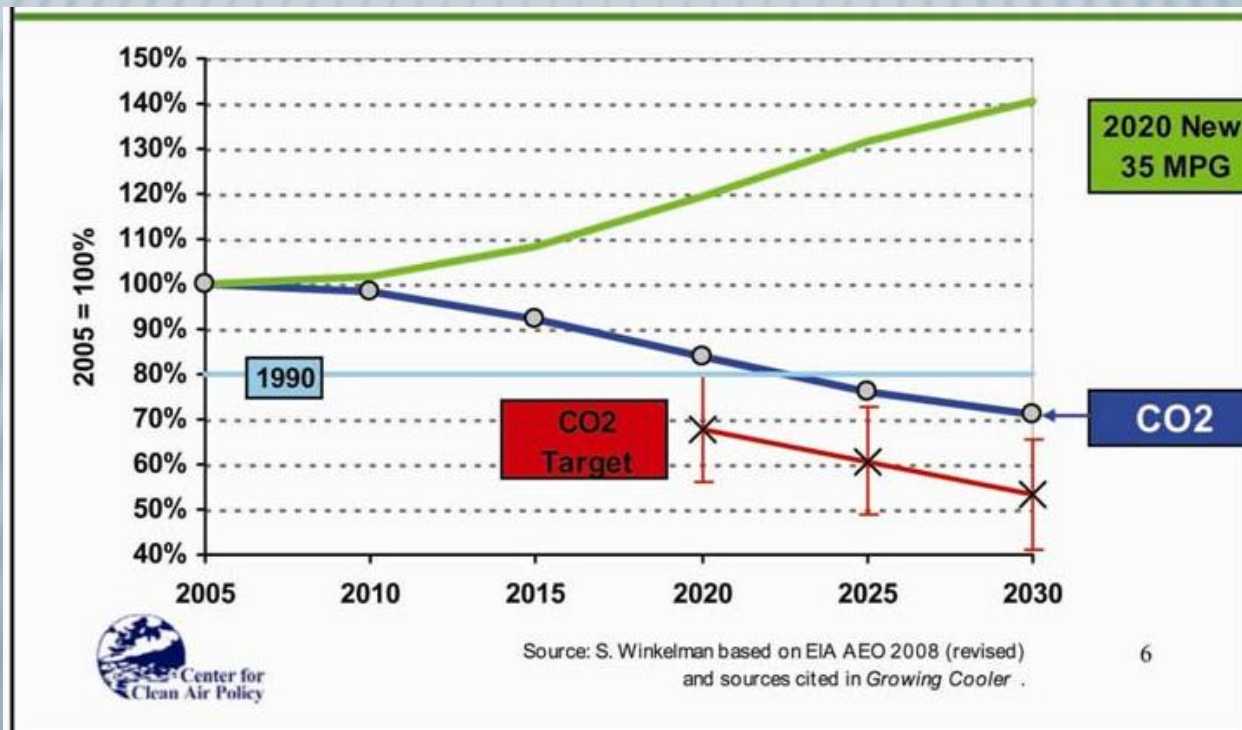
By vehicle type



EMISSIONS TRENDS (FUTURE)

Obama Administration: Regional Greenhouse Gas Reductions Goals

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



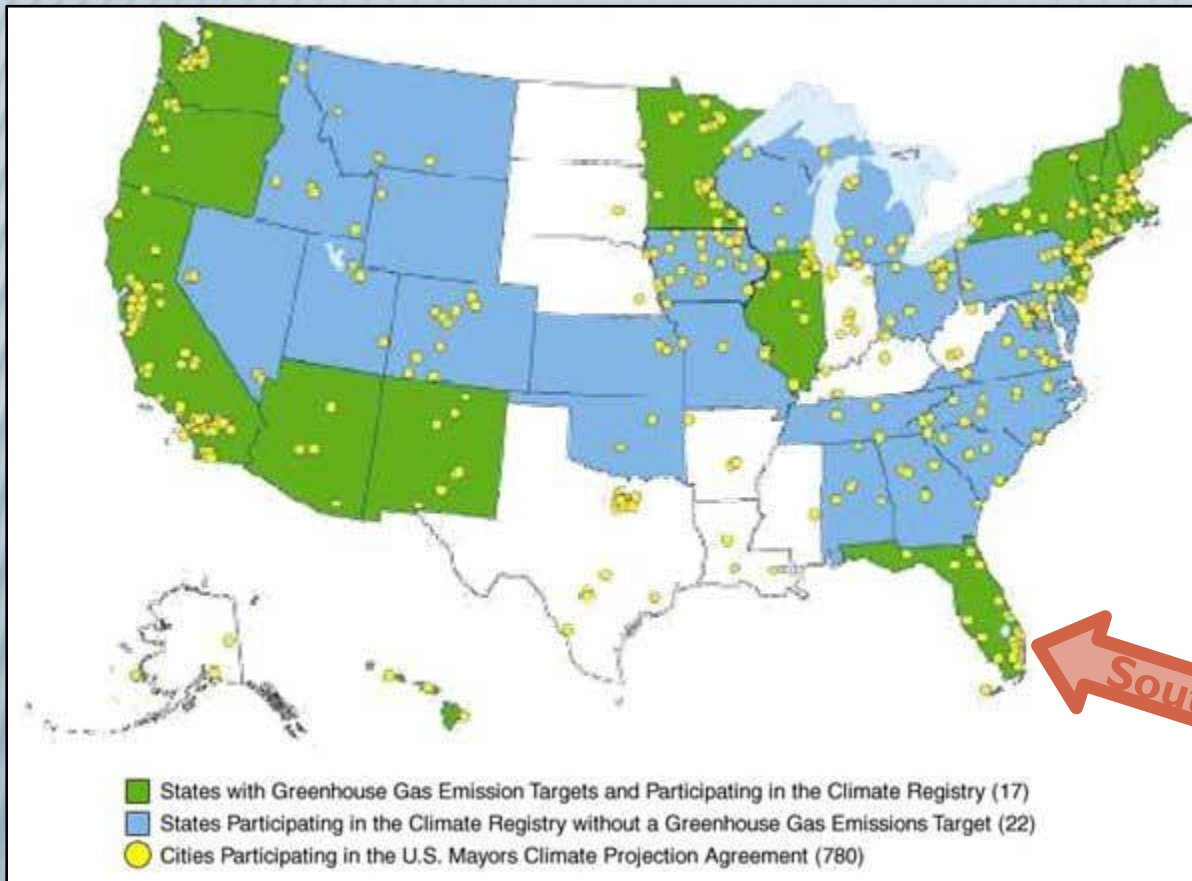
35 MPG = 2020 CAFE standards for new vehicles

By 2030, CO2 11% below 1990 levels.

Not enough to meet 2050 goal.

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

Southeast Florida

FLORIDA



Local conditions are more important than global averages.

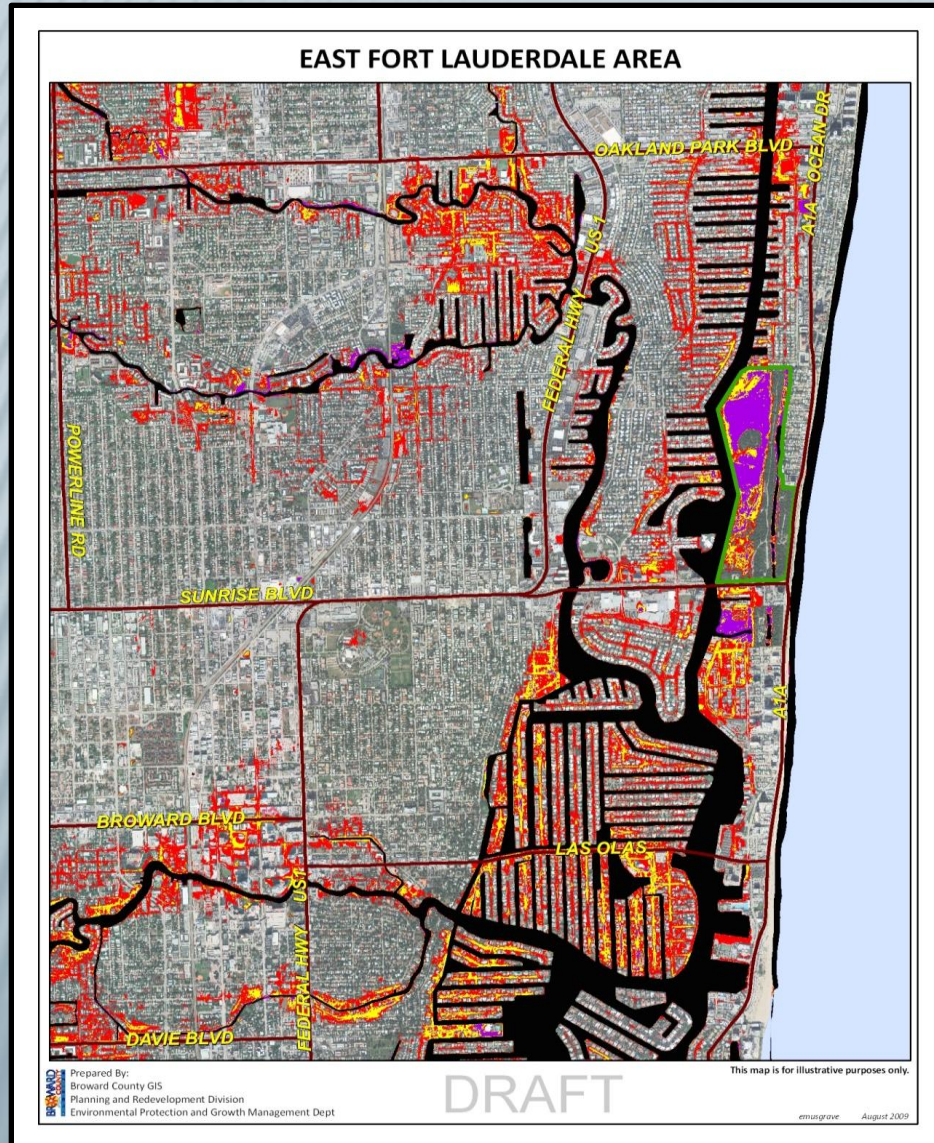
- Sea Level Rise
- Temperature Changes
- Precipitation
- Storms

SOUTH FLORIDA REGIONAL PARTNERS



SEA LEVEL RISE

Potential impacts to 20%
 of County population



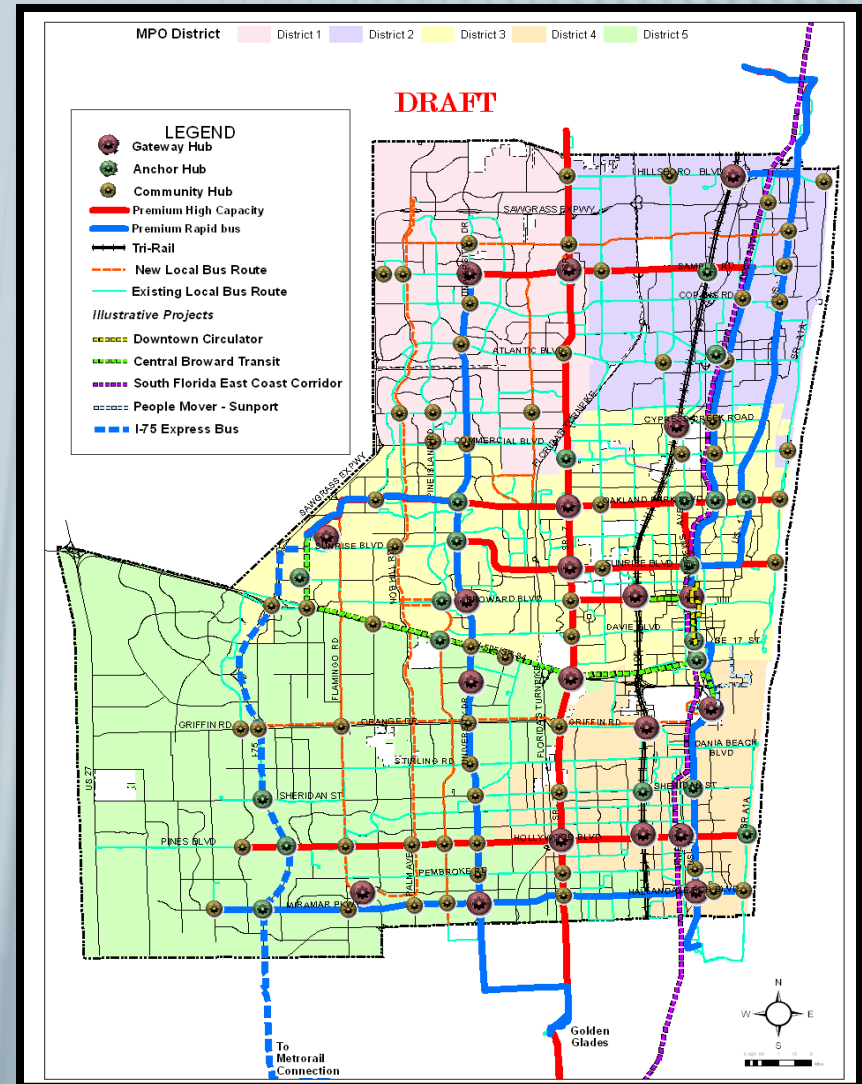
2035 LONG RANGE TRANSPORTATION PLAN (LRTP)

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



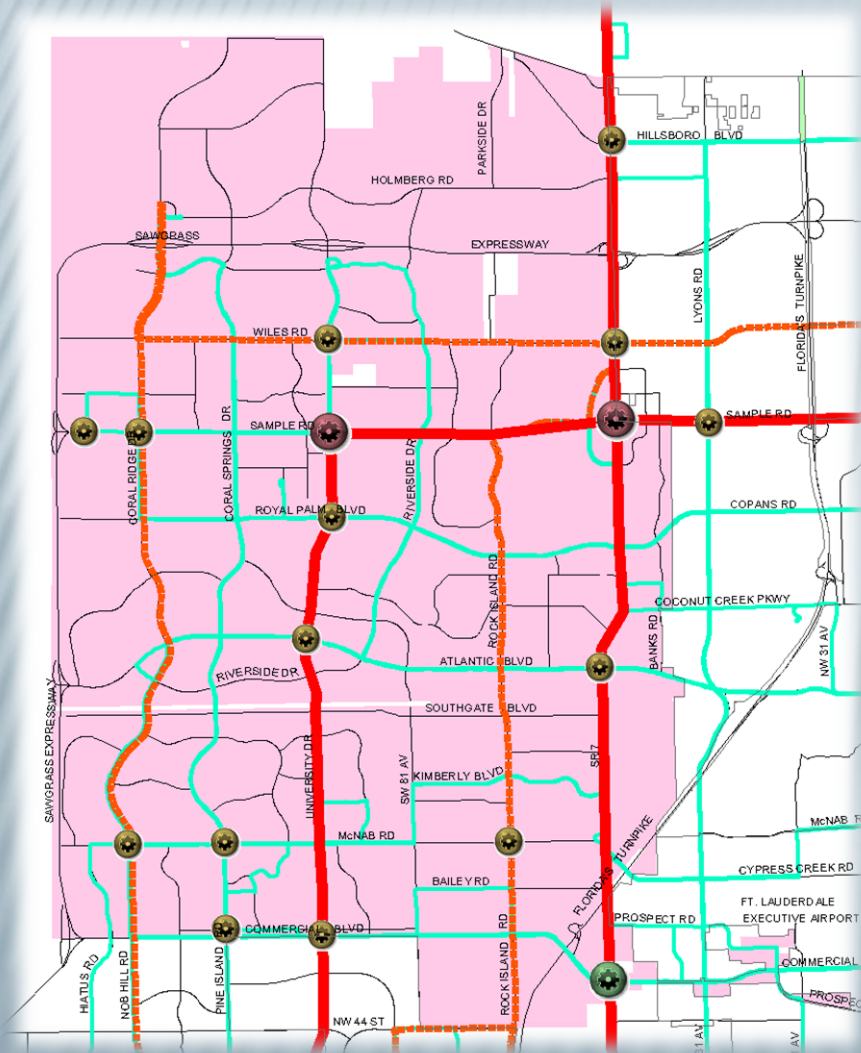
Community Hubs



- 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



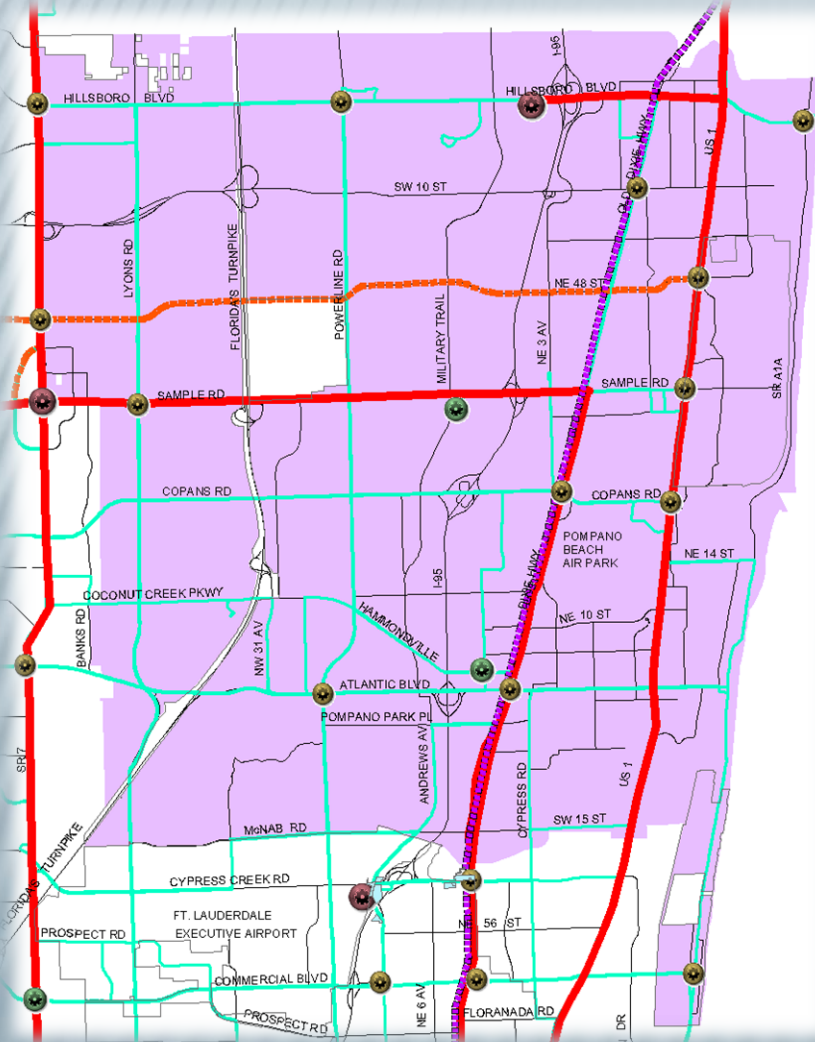
- Premium Transit
 - University Dr
 - US-441
 - Sample Rd
- Mobility Hubs
 - 2 Gateway Hubs
 - 2 Anchor Hubs
 - 12 Community Hubs
- New Local Service
 - Wiles Rd
 - Coral Ridge Dr/Nob Hill Rd
 - Rock Island Rd

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



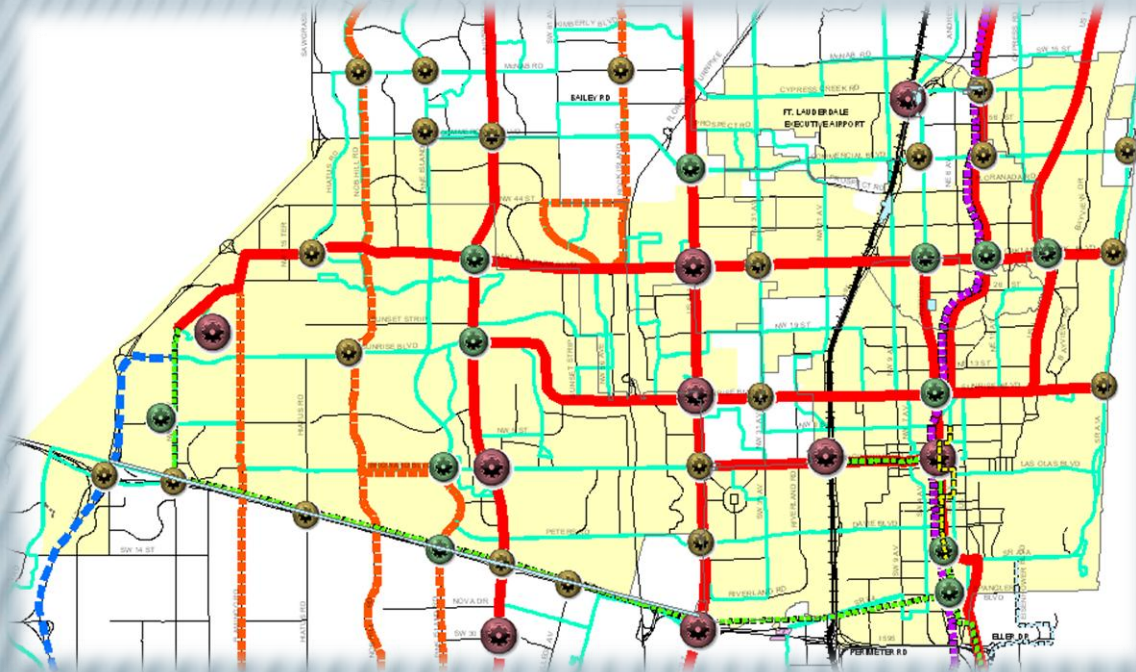
- Premium Transit
 - Dixie Hwy
 - US-1
 - Sample Rd
- Mobility Hubs
 - 1 Gateway Hub
 - 2 Anchor Hubs
 - 11 Community Hubs
- New Local Service
 - Wiles Rd

Other Planned/Current Efforts

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

DISTRICT 3

2035 LRTP Improvements



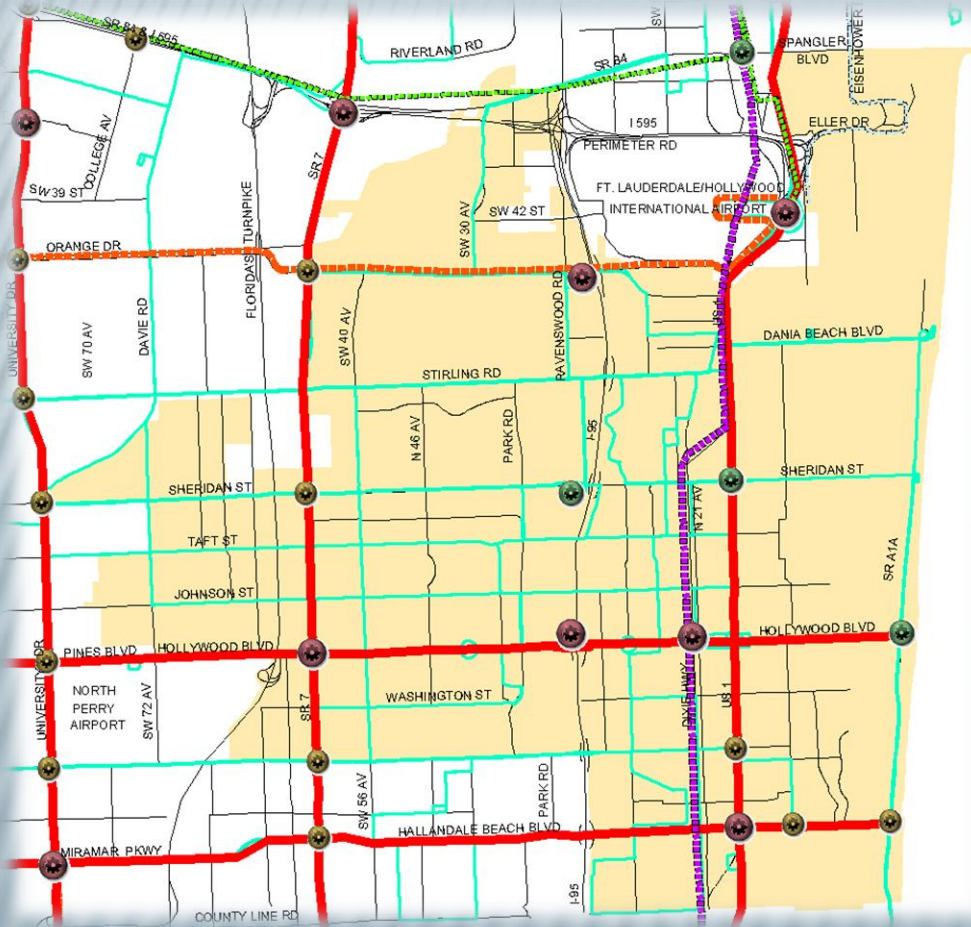
- Premium Transit
 - University Dr
 - US-441
 - Dixie Hwy
 - US-1
 - Broward Blvd
 - Sunrise Blvd
 - Oakland Park Blvd
- Mobility Hubs
 - 8 Gateway Hubs
 - 12 Anchor Hubs
 - 19 Community Hubs
- New Local Service
 - Flamingo Rd
 - Nob Hill Rd
 - Pine Island Rd
 - Rock Island Rd

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



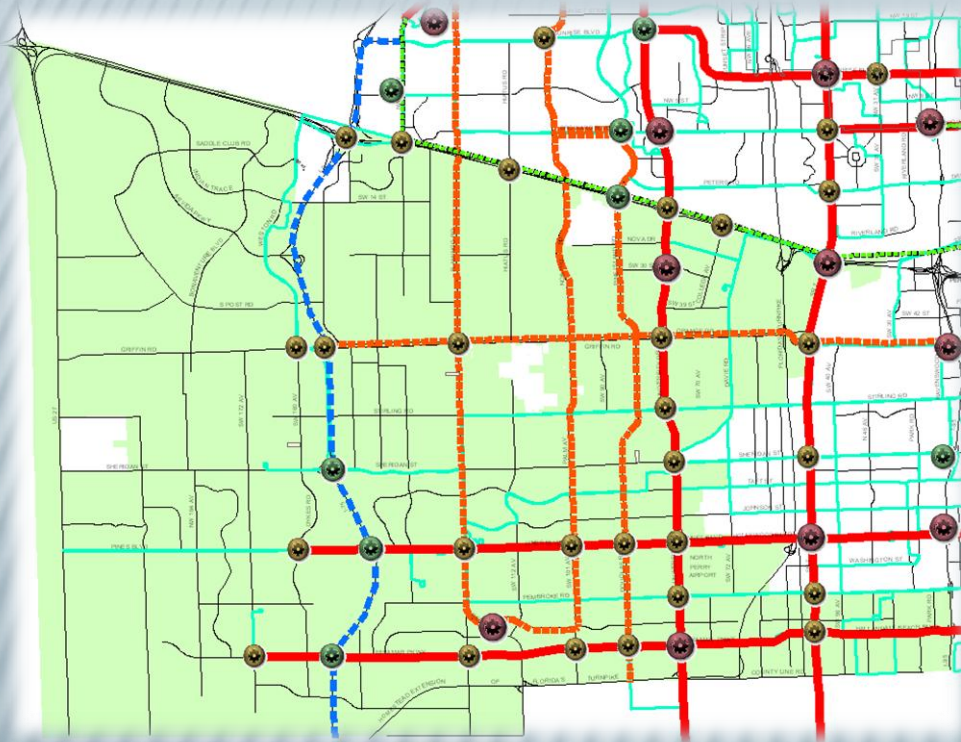
- Premium Transit
 - US-441
 - US-1
 - Hallandale Bch Blvd
 - Hollywood Blvd
- Mobility Hubs
 - 6 Gateway Hubs
 - 4 Anchor Hubs
 - 6 Community Hubs
- New Local Service
 - Griffin Rd

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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