seven 50 counties years

Modeling Paths to Sustainable Future September 11th, 2013

Southeast Florida Region In Context



8,500 square miles, 250+ miles long, 7 counties, 121 municipalities,

We've Been Afforded a Choice

Option#1- The Accidental Region

 Southeast Florida can experience its future by default – without coordination or an understanding of how each local decision impacts the whole.

Door #2 – The Competitive Region

 Or the citizens of Southeast Florida can choose to discuss the future together – investing time and energy to explore the consequences of different decisions before we commit to them.

Southeast Florida

Corporation Size: 5th Largest Metropolitan Corporation in the Nation

- Budget:\$40 Billion/year (Exxon/FHA)
- Organization:
- 7 Major Divisions (Counties)
 - 121 Departments (Municipalities)
- Main Businesses: Transportation, Housing, Health Care, Leisure Services, Education, and Water
- **Employment:**
- Shareholder Expectations:
- 2.8 million who help support another 4 million family members
 - Increase Market Share by 35% Increase Employment by 31%

... and no business plan

The Southeast Florida Region





The Southeast Florida Region

- 24 Housing Authorities
- 6 Metropolitan Planning Organizations
- 2 Regional Planning Councils
- 31 Special Districts
- 2 Department of Transportation Districts
- 37 Economic Development Organizations
- 73 Chambers of Commerce
- 7 School Districts
- 2 Water Management District
- 121 Cities
- 7 Counties

... No Unified Game Plan

Why Seven50?



In the Blink of an Eye...

Kendall Drive

Miami Dade County 1968



Miami Dade County 2012

different generations with similar needs



Baby Boomer

Millennial

2/3 of the population are now either millenials or baby boomers

competing nationally

"Enterprising states" attract young workers

Education is Economic Development



Florida Schools Return to Top 10 according to Education Week magazine (Miami Herald 1-10-13)

panama canal expansion



More freighters coming to SE Florida

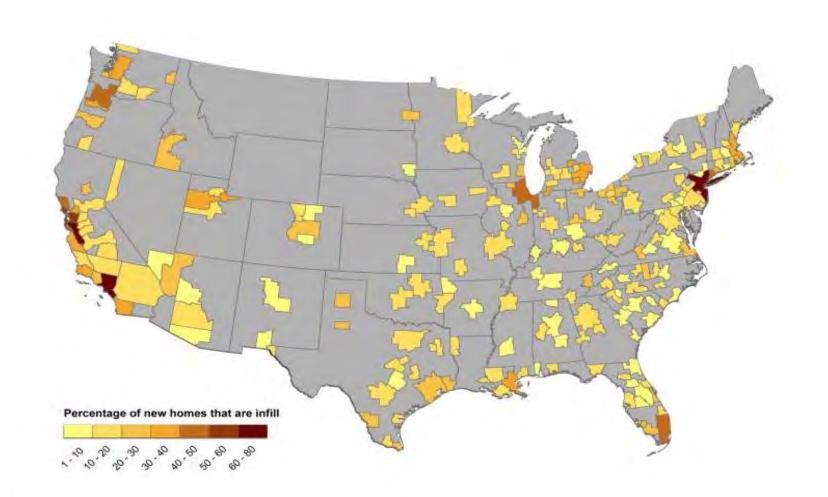
It's not about the County to the north or south...

MIA

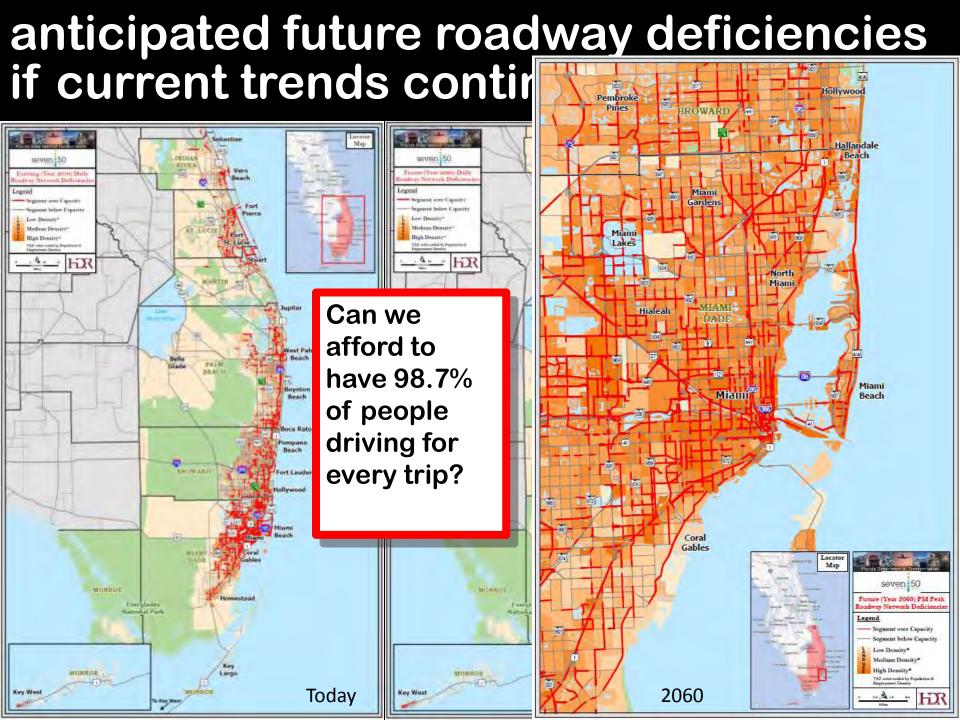
26th busiest airport in the world 10th worldwide (Cargo) 1st in the United States (Cargo)

...Southeast Florida is a Global Gateway

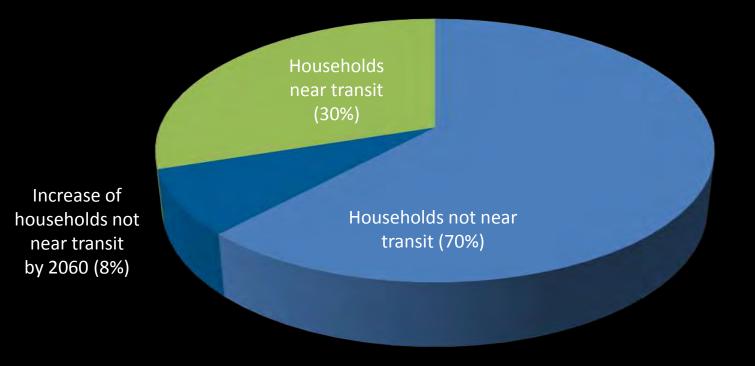
underutilized areas seeing reinvestment



SE Florida one of highest percentage of infill among large regional areas between 2000 and 2012



70% of households will not live near transit by 2060



Future Trend: 6.4m people will not live near transit in 2060?

Dangers range from inadequate virus protection on a laptop or home computer, to the risk of coefficiential data being exposed to

RISE ANALYSES: You do not have to implement every control covered by ISO17799 - only those dust are applicable and appropriate, the latter inegety bring determined via tisk analysis.

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REGION REACHES "BUILD-OUT": USES ALL VACANT LAND

SOUTHEAST FLORIDA NEWS HERALD

2.9 MILLION MORE PEOPLE IN 2060: 6.2M TO 9.1M

Having a security policy document (or dusting down an old one) may well not be enough and is fully supportive of ISO17799. Much of the commission stems from the fact that earlier edition of BS7799 (which precoded ISO17799) did have some differences. However, this is no longer the case - buy one and you effectively buy both. Section 3.1 of ISO17799 states that "Management should set a clear policy direction and dimensionate support for, and commissionent to, and maintenance of

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January 2060

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NORTHERN COUNTIES LOSE LARGE AREAS OF AGRICULTURE

GROWTH MANAGEMENT POLICIES NOT ENOUGH

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POPULATION DOUBLES IN NORTHERN COUNTIES

WESTWARD PUSH OF DEVELOPMENT CONTINUES

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FEW HOUSEHOLDS LIVE CLOSE **TO PUBLIC SCHOOLS**

SOUTHEAST FLORIDA NEWS HERALD

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3.6M PEOPLE LIVE MORE THAN 1 MILE FROM A PUBLIC SCHOOL

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An Information Security incident must be reported on stanide authorities

COLUMN TWO IS NOT

1/4 OF ALL HOUSEHOLDS LIVE FAR AWAY FROM PARKS

SOUTHEAST FLORIDA NEWS HERALD

2.3M PEOPLE LIVE MORE THAN 1 MILE FROM A PARK

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January 2060

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In the total region 135,000 persons and 60,000 jobs displaced by 2' sea level rise













The Value In Seven50



Identifying Trends Affecting the Region... ... Suggesting Strategies to Bend them Our Way

"Simply having a conversation has changed the Trend"

Prof. Robert Burchell, Rutgers University on Seven50

scenarios

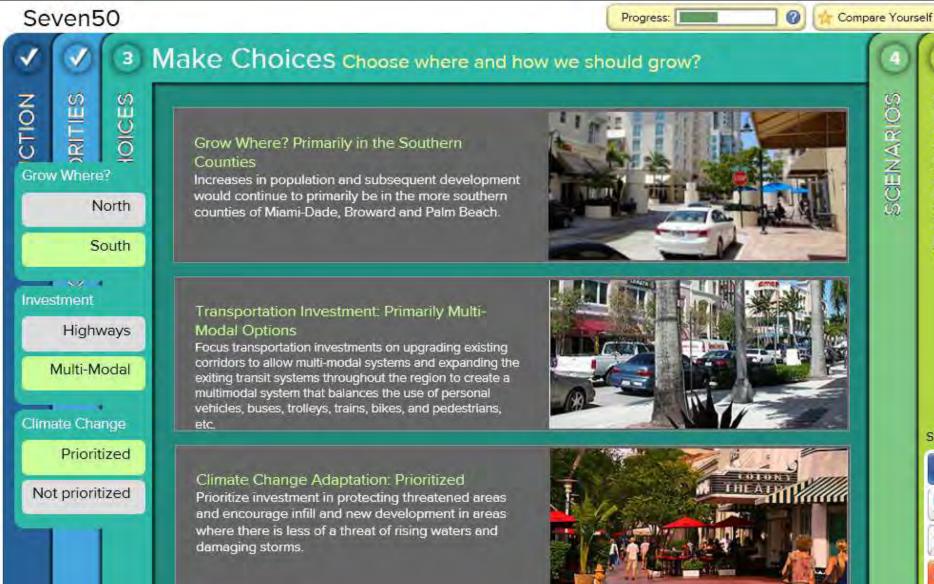
Trend: Stay the Course

Plan 1: Suburban Expansion

Plan 2: Strategic Upgrades

Plan 3: Region in Motion

use our online modeler: seven50.org



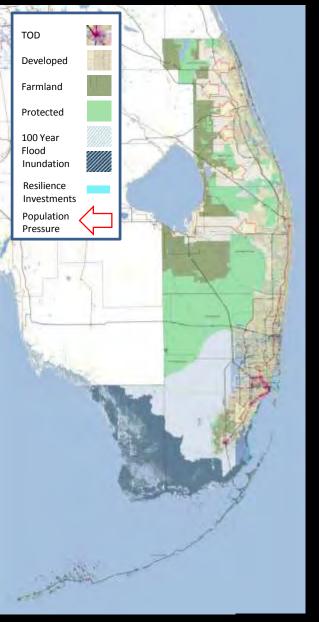
ENGAGED

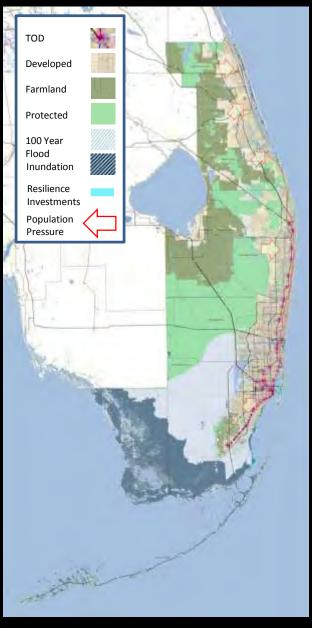
STAY

Share

Powered by MetroQuest

model: maps



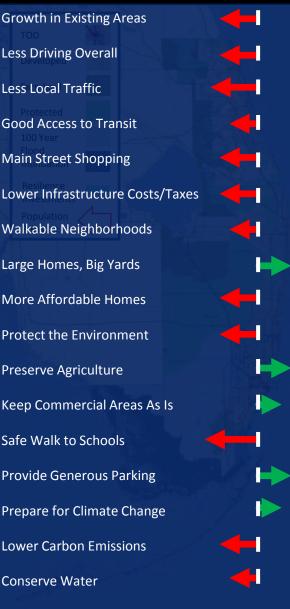




Plan 1: Suburban Expansion Plan 2: Strategic Upgrades

Plan 3: Region in Motion

model: indicators



Plan 1: Suburban Expansion

Growth in Existing Areas Less Driving Overall Less Local Traffic Good Access to Transit **Main Street Shopping** Lower Infrastructure Costs/Taxes Walkable Neighborhoods Large Homes, Big Yards More Affordable Homes Protect the Environment **Preserve Agriculture** Keep Commercial Areas As Is Safe Walk to Schools **Provide Generous Parking** Prepare for Climate Change Lower Carbon Emissions **Conserve Water**

Plan 2: Strategic Upgrades

Growth in Existing Areas Less Driving Overall Less Local Traffic Good Access to Transit Main Street Shopping Lower Infrastructure Costs/Taxes Walkable Neighborhoods Large Homes, Big Yards More Affordable Homes Protect the Environment **Preserve Agriculture** Keep Commercial Areas As Is Safe Walk to Schools **Provide Generous Parking** Prepare for Climate Change Lower Carbon Emissions **Conserve Water**

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Plan 3: Region in Motion

Looking farther



seven 50



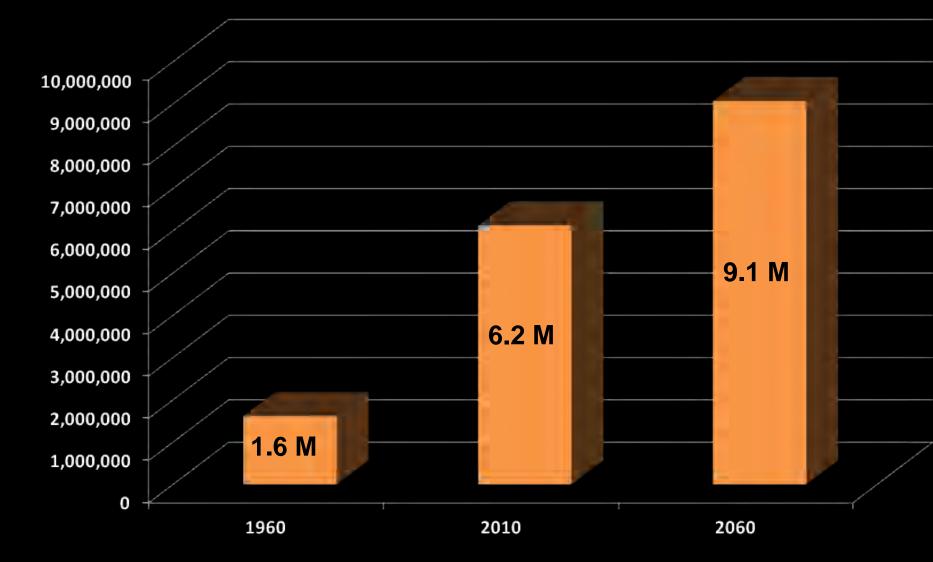


2040 Long Range Transportation Plan

Seven50 TAZ Model updates MDC MPO 2040 Update & SEFTC Regional 2040 Plan

2040

population projection



Source: Bureau of Economic & Business Research

major transit oriented development sites



1/4 mile – 130 acres

5,000 - 32,000 residents 2060 14 units per acre – 100 units per acre

$\frac{1}{2}$ mile – 500 acres

10,000 - 20,000 residents 2060 7 units per acre – 15 units per acre

1 mile - 2,000 acres

10,000 - 38,000 residents 2060 2 units per acre – 7 units per acre

(Depending on Context)

balanced mobility



New local commuter rail, new regional passenger rail



Downtown Kendall

Metro Rail + Tri-Rail TOD



South Miami





Metro Rail + Tri-Rail TOD



City Place, West Palm Beach

Tri-Rail TOD







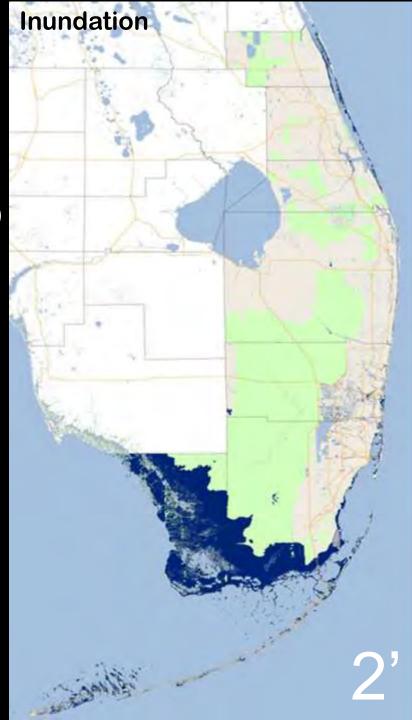
Tri-Rail TOD

Stuart, Martin County

Sea Rise

(approx. 50 yrs.)

2 0 6 0



Storm Surge: 100-Year Flood in Addition to Inundation



Existing



Sea Level Rise up to 10'



Existing



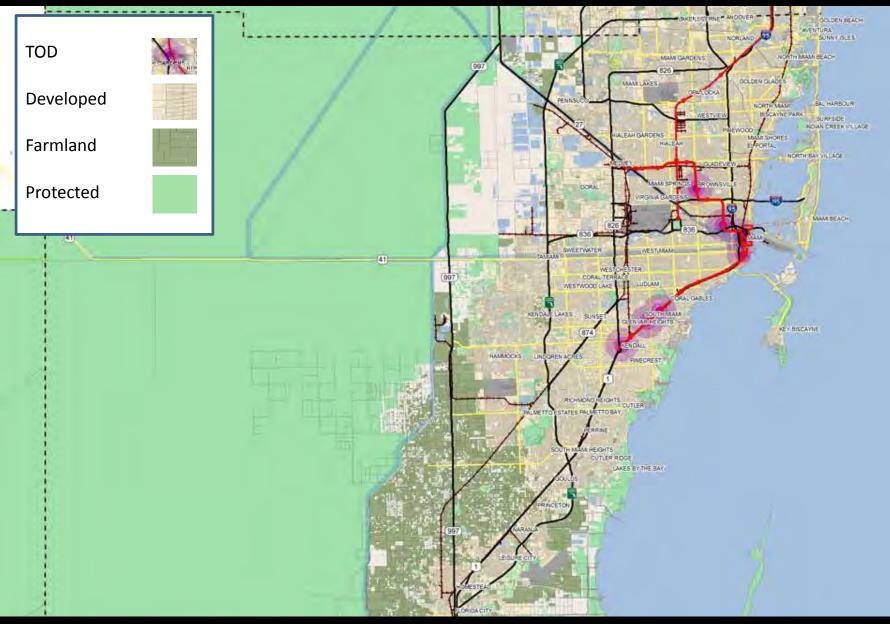
Reinforced Heart of Town



Reinforced Heart of Town

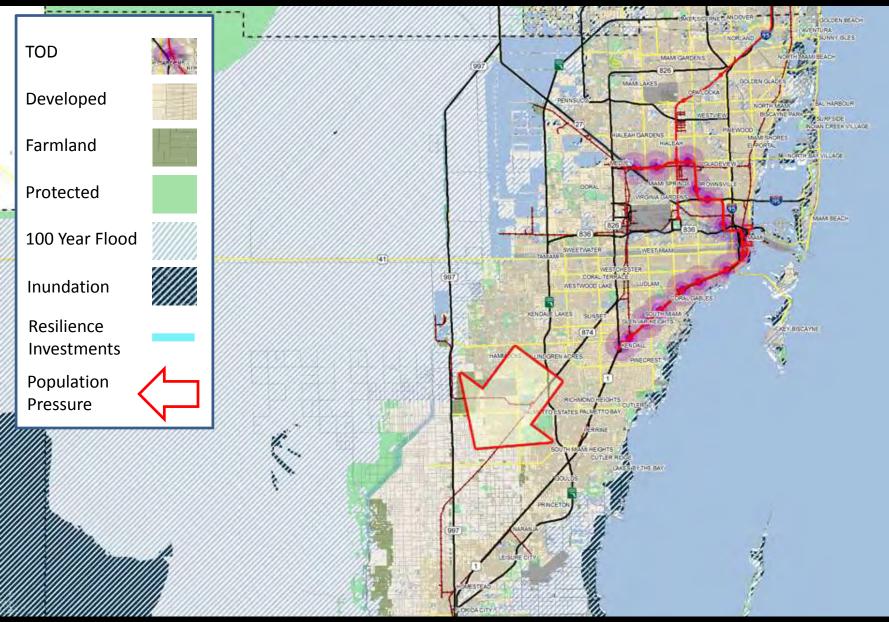


Sea Level Rise up to 10'



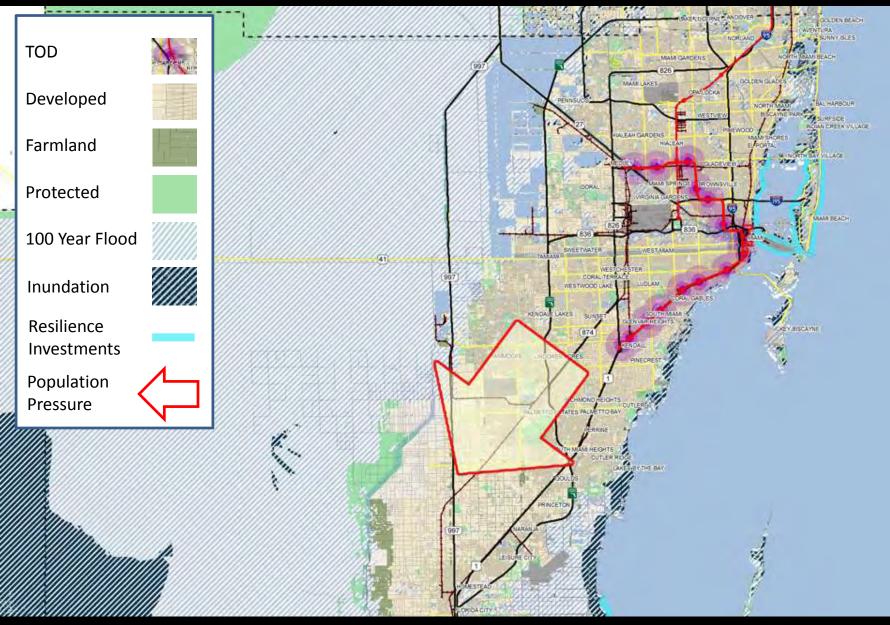
existing conditions

Population: 2,477,003



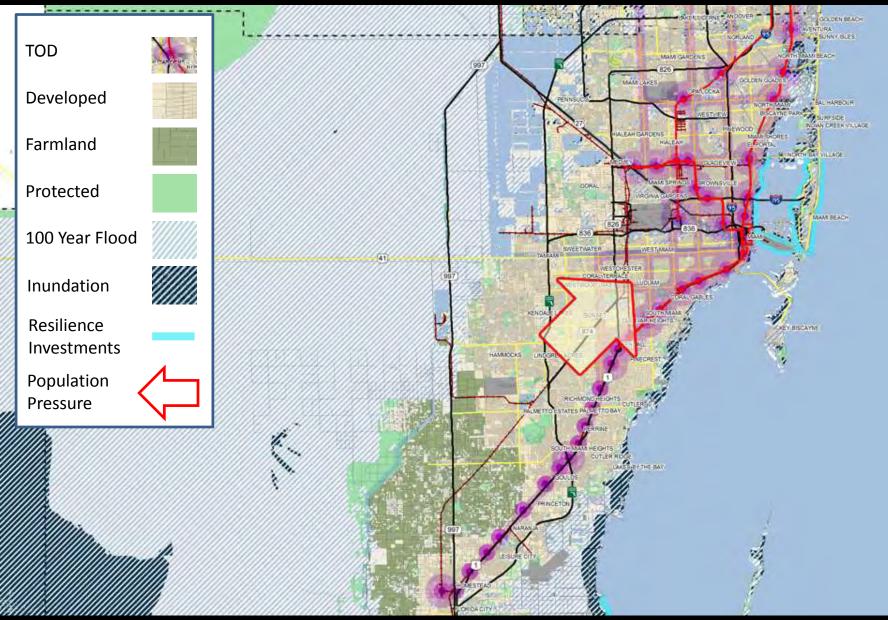
trend scenario: business as usual

Population: 3,864,100



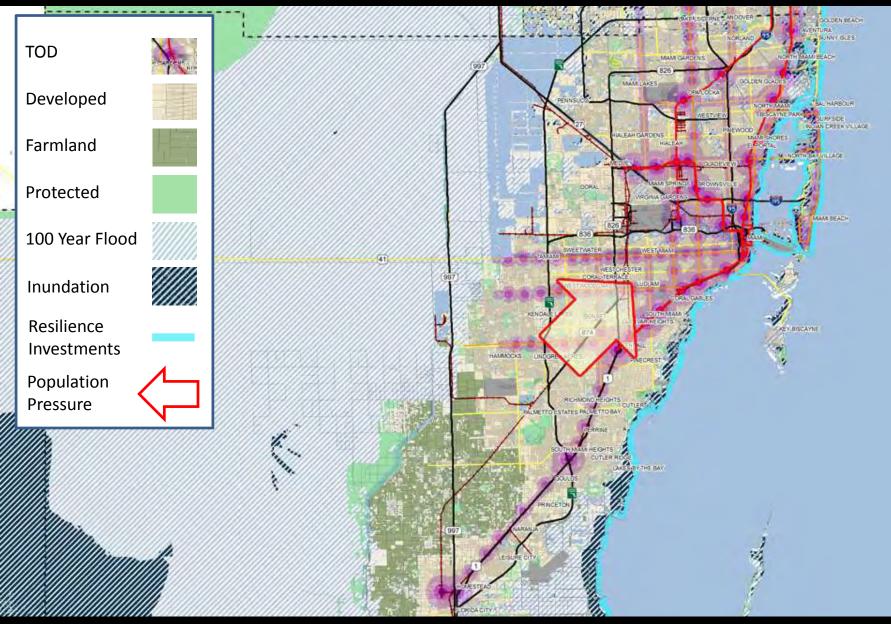
plan 1: exurban expansion

Population: 3,675,221



plan 2: strategic interventions

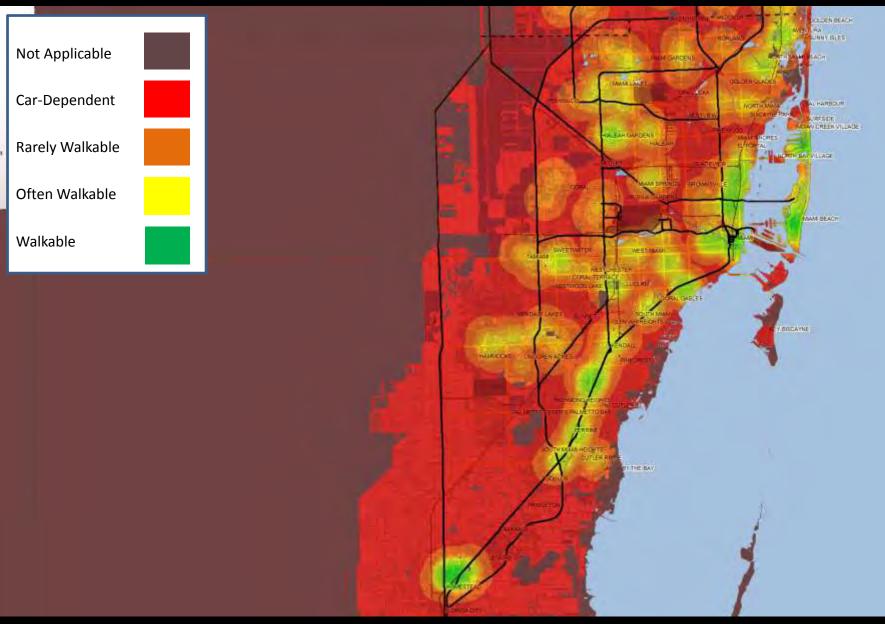
Population: 3,865,100



plan 3: next gen region

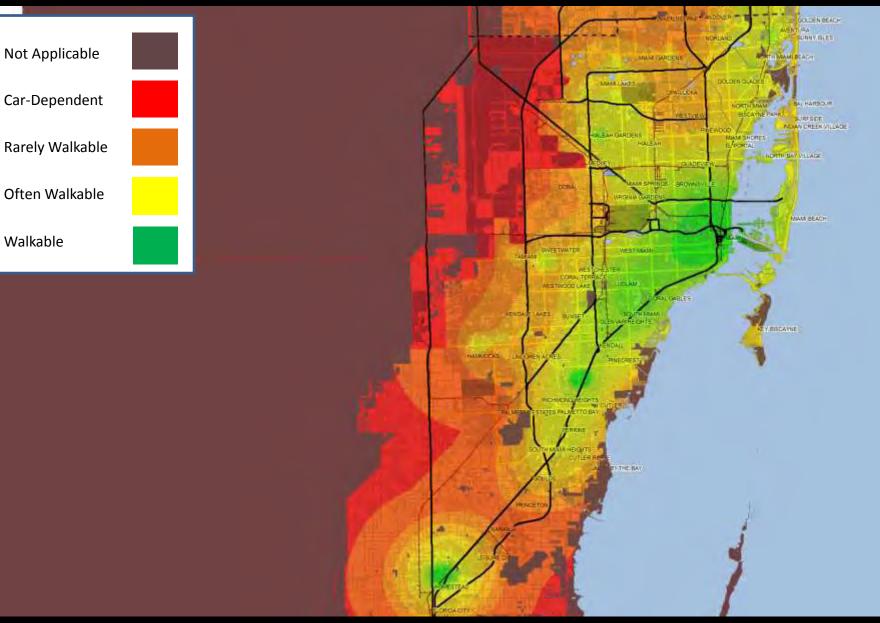
Population: 4,014,100

walkability



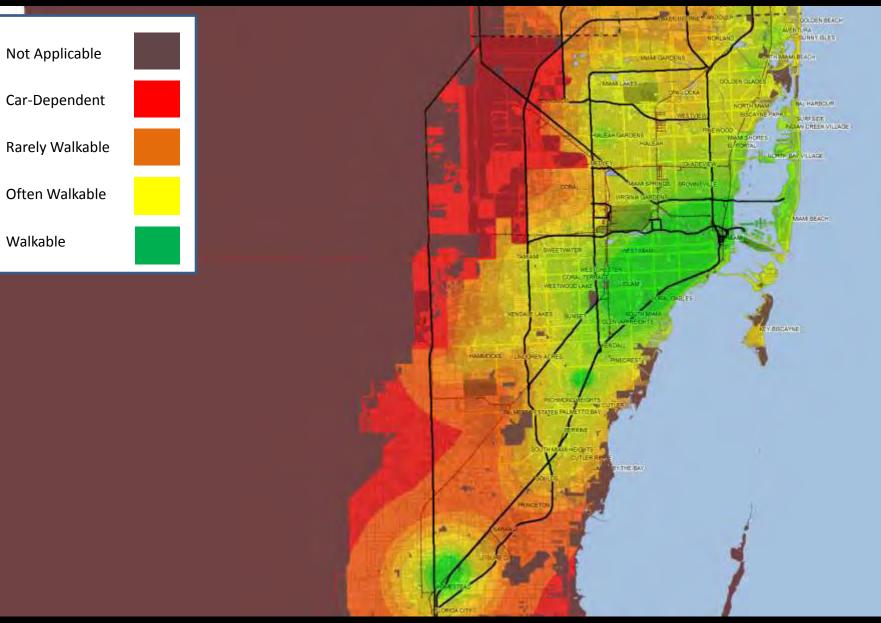
existing

walkability



plan 2: strategic interventions

walkability



plan 3: next gen region

	Trend	1:SuburbanExpansion	2: Strategic Upgrades	3: Region in Motion
Farmland Consumed	250+ Sq. Miles	480+ Sq. Miles	150 Sq. Miles	60 Sq. Miles
Infrastructure Cost (Transportation, Water, Sewer, Utilities)	\$31.3 Billion	\$38.1 Billion	\$26.4 Billion	\$24 Billion
Single Family Homes vs. Condos, Apartments & Townhomes	SF Multi 85% 15%	SF Multi 90% 10%	SF Multi 75% 25%	SF Multi 65% 35%
Transportation Choices				
Walkable Communities (Walk to Work, Stores, School, Transit, Parks)				
Average Housing + Transportation % Income Per Household	60%	50%	45%	43%
Climate Resilience Investment	\$	\$	\$\$	\$\$\$

evolving scenarios: region

Trend: Stay the Course 7% **Plan 1: Suburban Expansion** 4% Plan 2: Strategic Upgrades 30% Plan 3: Region in Motion 59%

VOTE TODAY!!!!

Total Users: 1,162



Summit #4 1.15.2014

Broward Convention Center Broward County, Florida

seven50.org





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