

MIAMI-DADE 2035

RECOMMENDED SILOS & METRICS

Current Population - 2,693,117 2035 Projected – 3,300,000

Average Weekly Tourist Population – 140,446 2035 Projected – 256,135¹

STRATEGY SILO – Sustainability & Resiliency				
GOAL – Create and maintain environmental conditions that maximize community health and resiliency.				
	Metric	Current Statistic	Target	Source
Drivers	Waste Generated per Capita	3,220 lbs.	1,550 lbs.	County Greenprint ²
	% of Residents Vulnerable to Sea Level Rise	74.3% 9 th (Worldwide)	1 st Among Coastal Area	World Resources Institute ³
	Energy Use (per capita/per year)	11,080 kWh	7,756 kWh	County Greenprint
	Recycling Per Household	358.77 lbs.	700.00 lbs.	County Greenprint
	Tree Canopy Coverage	16%	30%	Climate Action Plan ⁴
Indicators	Energy Efficiency Scorecard Ranking	36 th Nationally	1 st Nationally	ACCEE ⁵
	Green Building Adoption Index Ranking	9 th (Nationally)	1 st Among Major Metro Areas	CBRE Green Building Index ⁶
	Water Use (per capita/per year)	48,910 gallons	34,237 gallons	County Greenprint
	% of Electricity from Renewable Sources	0.3%	20%	FPL 10 Year Site Plan ⁷
	Greenhouse Gas Emissions (per capita)	13 metric tons	9.1 metric tons	County Greenprint

Energy Efficiency Scorecard Ranking

- Compares cities across five policy areas and assigns a point value to each category
 - 1) Local Government Operations (15 pts)
 - 2) Community Wide Initiatives (3 pts)
 - 3) Buildings policies (29 pts)
 - 4) Energy and Water Utilities (18 pts)
 - 5) Transportation Policies (28 pts)

Green Building Adoption Index Ranking

- The Index shows the growth of ENERGY STAR- and LEED-certified space for the 30 largest U.S. office markets, both in aggregate and in individual markets, over the previous nine years.

¹ http://partners.miamianbeaches.com/~media/files/gmcbv/partners/research%20statistics/annual_report_2014 (projection based on current

² <http://www.miamidade.gov/greenprint/pdf/environment.pdf>

³ https://www.wri.org/sites/default/files/sealevelrise_miami_florida_factsheet_final.pdf

⁴ http://www.miamidade.gov/greenprint/pdf/climate_action_plan.pdf

⁵ <http://aceee.org/sites/default/files/publications/researchreports/u1502.pdf>

⁶ <http://www.cbre.com/~media/files/corporate%20responsibility/green-building-adoption-index-2015.pdf?la=en>

⁷ <https://www.fpl.com/company/pdf/10-year-site-plan.pdf>

STRATEGY SILO – Transportation				
GOAL – Create and maintain a transportation system that minimizes congestion, supports universal transit access, and encourages non-motorized mobility				
	Metric	Current Statistic	Target	Source
Drivers	% of Investment in Transportation per Mode	Road – 57.3% Transit – 24% Alternative – 0.4%	*N/A – Determined by BCC Priorities	2040 LRTP Fig 5-4 ⁸
	Complete Streets Policy Score	55.2	77.6	Smart Growth America ⁹
	Miles of Bike Trails	174.2	1 st Nationally > 620	County Greenprint ¹⁰
	% of Roads with a Bike LOS of A	0.8%	100% of non-highways	2040 Bicycle/Pedestrian Plan
	Labor Access to Transit Rate	85 th 15.5%	1 st 64.1%	Brookings Institute ¹¹
Indicators	Average Commute Time	4 th Worst 29.4 minutes	1 st Among Major Metros < 20 minutes	American Community Survey ¹² (Healthy Communities Institute)
	Cost of Congestion per Car per Year	\$1,169/12 th Highest	1 st Among Major Metros	Texas A&M Transportation Institute ¹³
	% of Population that Walks/Bikes to Work	2.64%	1 st Nationally > 15.1%	2040 Bicycle/Pedestrian Plan
	Countywide Transit Score	59 (car-dependent)	80 +	WalkScore ¹⁴
	Combined Transit Access Ranking	63 rd Nationally	1 st Nationally	Brookings Institute ¹⁵

** This metric cannot be benchmarked as it is dependent on the needs of each community. This metric is critical to ensuring that the allocation of transportation funds reflects the goals set forward by the Commission.*

Countywide Transit Score

- Transit Score measures how well a location is served by public transit based on the distance and type of nearby transit lines.

Labor Access to Transit Rate

- Percentage of workforce that can reach a typical job by transit in 90 minutes or less.

Combined Transit Access Rate

- Aggregate ranking which evaluates: 1) Share of working-age residents near a transit stop; 2) Median wait for any rush hour transit vehicle; 3) Labor Access to Transit Rate

Complete Streets Policy Score

- The National Complete Streets Coalition promotes a comprehensive policy model that includes ten ideal elements:
 - 1) Vision; 2) All users and modes; 3) All projects and phases; 4) Clear, accountable exceptions; 5) Network; 6) Jurisdiction; 7) Design; 8) Context sensitivity; 9) Performance measures; 10) Implementation steps
- The Coalition evaluated every Complete Streets policy passed for the strength of its language. Policies were awarded up to five points for how well they fulfilled each of the ten elements. Scores were weighted to emphasize the more important elements of a written policy.

⁸ <http://miamidademp.org/library/plans/2040-long-range-transportation-plan-final-2014-10.pdf>

⁹ <http://www.smartgrowthamerica.org/documents/best-complete-streets-policies-of-2014.pdf>

¹⁰ <http://www.miamidade.gov/greenprint/pdf/plan.pdf>

¹¹ <http://www.brookings.edu/research/papers/2012/07/11-transit-jobs-tomer>

¹² <https://www.census.gov/programs-surveys/acs/>

¹³ <http://d2dtl5nnlpfr0r.cloudfront.net/tti.tamu.edu/documents/mobility-scorecard-2015.pdf>

¹⁴ <https://www.walkscore.com/FL/Miami>

¹⁵ <http://www.brookings.edu/~media/Series/jobs-and-transit/MiamiFL.PDF>

STRATEGY SILO – Quality of Life				
GOAL – Increase the sense of community and general wellbeing by maximizing access to public spaces and recreation, civic engagement, and cultural opportunities.				
	Metric	Current Statistic	Target	Source
Drivers	Severe Housing Problems	33%	Lowest in the Nation < 9%	County Health Rankings ¹⁶
	Per Capita Investment in Public Libraries	\$37	Highest in the Nation > \$72	Institute of Museum and Library Services ¹⁷
	Voter Participation Rate	67%	Highest in the Nation > 72%	Florida Department of State ¹⁸
	Pedestrian & Traffic Safety Rankings	4 th Most Dangerous	Least Among Major Metros	National Highway Safety & Transportation Administration ¹⁹
	Per Capita Parkland & Greenspaces	3 acres	Highest Among High Density Areas > 15.1 acres	County Greenprint
Indicators	Housing & Transportation Index	64%	< 33%	Center for Neighborhood Technology ²⁰
	Countywide BikeScore & WalkScore	Bike = 60 Walk = 76	> 85	WalkScore ²¹
	ParkScore	40 th Nationally 50	1 st Nationally > 84	Trust For Public Land ²²
	Quality of Life Index	26 th Nationally 149.87	Highest in the Nation > 208.65	Numbeo.com ²³
	Arts Vibrancy Index Ranking	69.6%	100%	National Center for Arts Research ²⁴

Severe Housing Problems

- Measures the percentage of households with at least one of the following housing problems:
 - 1) overcrowding; 2) high housing costs; 3) lack of kitchen; 4) lack of plumbing facilities.

ParkScore

- ParkScore provides in-depth data to guide local park improvement efforts. Our mapping technology identifies which neighborhoods and demographics are underserved by parks and how many people are able to reach a park within a ten-minute walk.

Quality of Life Index *(higher is better)*

- Is an estimation of overall quality of life by using empirical formula which takes into account purchasing power index (higher is better), pollution index (lower is better), house price to income ratio (lower is better), cost of living index (lower is better), safety index (higher is better), health care index (higher is better), traffic commute time index (lower is better) and climate index (higher is better).

Arts Vibrancy Index

- To assess supply, we examine total Arts Providers. Total nonprofit Arts Dollars in the community is a gauge of total arts demand and activity. Our Government Support rates state and federal arts funding.

Housing and Transportation Index

- The Housing and Transportation (H+T[®]) Affordability Index provides a comprehensive view of affordability that includes both the cost of housing and the cost of transportation at the neighborhood level.

Walkscore

- Walk Score measures the walkability of any address using a patented system. For each address, Walk Score analyzes hundreds of walking routes to nearby amenities. Points are awarded based on the distance to amenities in each category. Amenities within a 5 minute walk (.25 miles) are given maximum points. A decay function is used to give points to more distant amenities, with no points given after a 30 minute walk.

¹⁶ <http://www.countyhealthrankings.org/app/florida/2015/rankings/miami-dade/county/outcomes/overall/snapshot>

¹⁷ <http://www.smu.edu/~media/Site/Meadows/NCAR/NCARArtsVibrancyWhitepaper>

¹⁸ <http://dos.myflorida.com/elections/data-statistics/elections-data/voter-turnout/>

¹⁹ <http://www-nrd.nhtsa.dot.gov/Cats/listpublications.aspx?Id=13&ShowBy=Category>

²⁰ <http://htaindex.cnt.org/>

²¹ <https://www.walkscore.com/FL/Miami>

²² <http://parkscore.tpl.org/>

²³ http://www.numbeo.com/quality-of-life/region_rankings.jsp?title=2016®ion=021

²⁴ <http://www.smu.edu/~media/Site/Meadows/NCAR/NCARArtsVibrancyWhitepaper>

STRATEGY SILO – Economic Prosperity				
GOAL – Create an environment that supports individual opportunity, income growth, and diversification of our economic base				
	Metric	Current Statistic	Target	Source
Drivers	Net Small Business Creation	7.6%	> 10%	Our Miami Report ²⁵
	Growth of Small Businesses to Midsized Firms	0.46%	> 1%	Bureau of Labor Statistics
	Seaport Cargo Capacity	820,000 TEU's	2,500,000 TEU's	Port Miami Master Plan ²⁶
	Advanced Scientific Workers	98 th Nationally 0.11%	1 st Nationally > 0.55%	**ClusterMapping.us ²⁷
	Average Internet Speed	2.4 Mbs	1 st in the Nation > 1Gbs	Broadbandmap.gov ²⁸
Indicators	Innovation	74 th percentile 3.52 patents	1 st percentile 118.15 ²⁹	ClusterMapping.us ³⁰
	R&D Funding Per Capita	94 th percentile \$53	1 st percentile \$455	ClusterMapping.us
	MetroMonitor Ranking Composite Average	59 th Nationally	1 st Nationally	Brookings Institute MetroMonitor ³¹
	Labor Force Productivity	82 nd \$73,372	1 st Nationally > \$128,000	Bureau of Labor Statistics LAUS
	High School Graduation Rates	77%	Highest in the Nation > 93%	County Health Rankings ³²

*** ClusterMapping metrics represent a percentile ranking which compares all Counties in the US. Lower is better*

Innovation

- Utility patents granted per 10,000 employees.

Advanced Scientific Workers

- Employed science, engineering, and health doctoral holders as percent of population.

Net Small Business Creation

- Firms with less than 50 employees and less than 1 year old as a % of all firms.

Growth of Small Businesses to Midsized firms

- Firms with 50 to 250 Employees than 5 years old as a % of all firms.

Metro Monitor Ranking Composite Average

- Measures the performance of the nation's major metropolitan economies in three critical areas for economic development: growth, prosperity, and inclusion. Successful economic development should put a metropolitan economy on a higher trajectory of long-run growth (growth) by improving the productivity of individuals and firms in order to raise local standards of living (prosperity) for all people (inclusion). The Metro Monitor examines indicators within each of these categories that help assess metropolitan areas' progress toward shaping an advanced economy that works for all.

Labor Force Productivity

- Real GDP per Labor Force Participant

²⁵ <http://ourmiami.org/our-study/issue-areas/>

²⁶ <http://www.miamidade.gov/portmiami/library/2035-master-plan/cargo-sec-5.pdf>

²⁷ http://www.clustermapping.us/region/county/miami_dade_county_fl

²⁸ <http://broadbandmap.gov/>

²⁹ http://www.uspto.gov/web/offices/ac/ido/oeip/taf/countyall/usa_county_gd.htm

³⁰ http://www.clustermapping.us/region/county/miami_dade_county_fl

³¹ <http://www.brookings.edu/research/reports2/2016/01/metro-monitor#V0G10420>

³² <http://www.countyhealthrankings.org/app/florida/2016/rankings/miami-dade/county/outcomes/overall/snapshot>

STRATEGY SILO – Public Health & Safety				
GOAL – Provide a healthy and safe environment for all residents and families				
	Metric	Current Statistic	Target	Source
Drivers	Emergency Response Times	Police = 7.43 min Fire = 8.10 min	Police = <5 min Fire = <6.5 min	Miami-Dade County
	Recidivism Rate	27%	<10%	Miami-Dade County
	Drinking Water Quality Index	100%	100%	County Greenprint ³³
	Health Factors and Outcomes Ranking	43/63 State	1 st in the State	Miami-Dade County
	Air Pollution – Particulate Matter	10.9	Lowest in the Nation < 9.5	County Health Rankings
Indicators	Crime Index Rate	709	Lowest in the Nation < 48	FBI Uniform Crime Report ³⁴
	Food Environment Index	8.3	Highest in the Nation > 8.3	County Health Rankings ³⁵
	Life Expectancy	81.35 years	Highest in the Nation > 83	U.S. Census Bureau Population Data
	Obesity Rate	Male = 33.8% Female = 34%	Lowest in the Nation < 19%	County Health Rankings
	% of Population with Health Insurance	69%	Highest in the Nation > 89%	County Health Rankings

Food Environment Index

- The Food Environment Index ranges from 0 (worst) to 10 (best) and equally weights two indicators of the food environment.
 - 1) Limited access to healthy foods estimates the percentage of the population who are low income and do not live close to a grocery store.
 - 2) Food insecurity estimates the percentage of the population who did not have access to a reliable source of food during the past year.

% of Population with Health Insurance

- People under age 65 (to account for Medicare availability)

Health Factors and Outcomes Rankings

- To calculate the summary score of health factors, weights were determined for each of the four major factors (Health behaviors, Clinical care, Social and economic factors, and the Physical environment) based on a review of the literature, expert opinion, and data analysis.
- To calculate the summary score for Health Outcomes, we combined scores for Length of life (50%) and Quality of life (50%) to produce 100% of the Health Outcomes summary score. The weights for specific measures were assigned based on relative importance within the factor and considerations of data reliability and availability.

³³ <http://www.miamidade.gov/greenprint/pdf/plan.pdf>

³⁴ <https://www.fbi.gov/about-us/cjis/ucr/ucr>

³⁵ <http://www.countyhealthrankings.org/>