EMERGING TRENDS

FDOT

FORECASTING AND TRENDS OFFICE

JUNE 2023

86% FLORIDIANS *live in* URBAN AREAS

21.2% *of Florida's* POPULATION *is* FOREIGN BORN
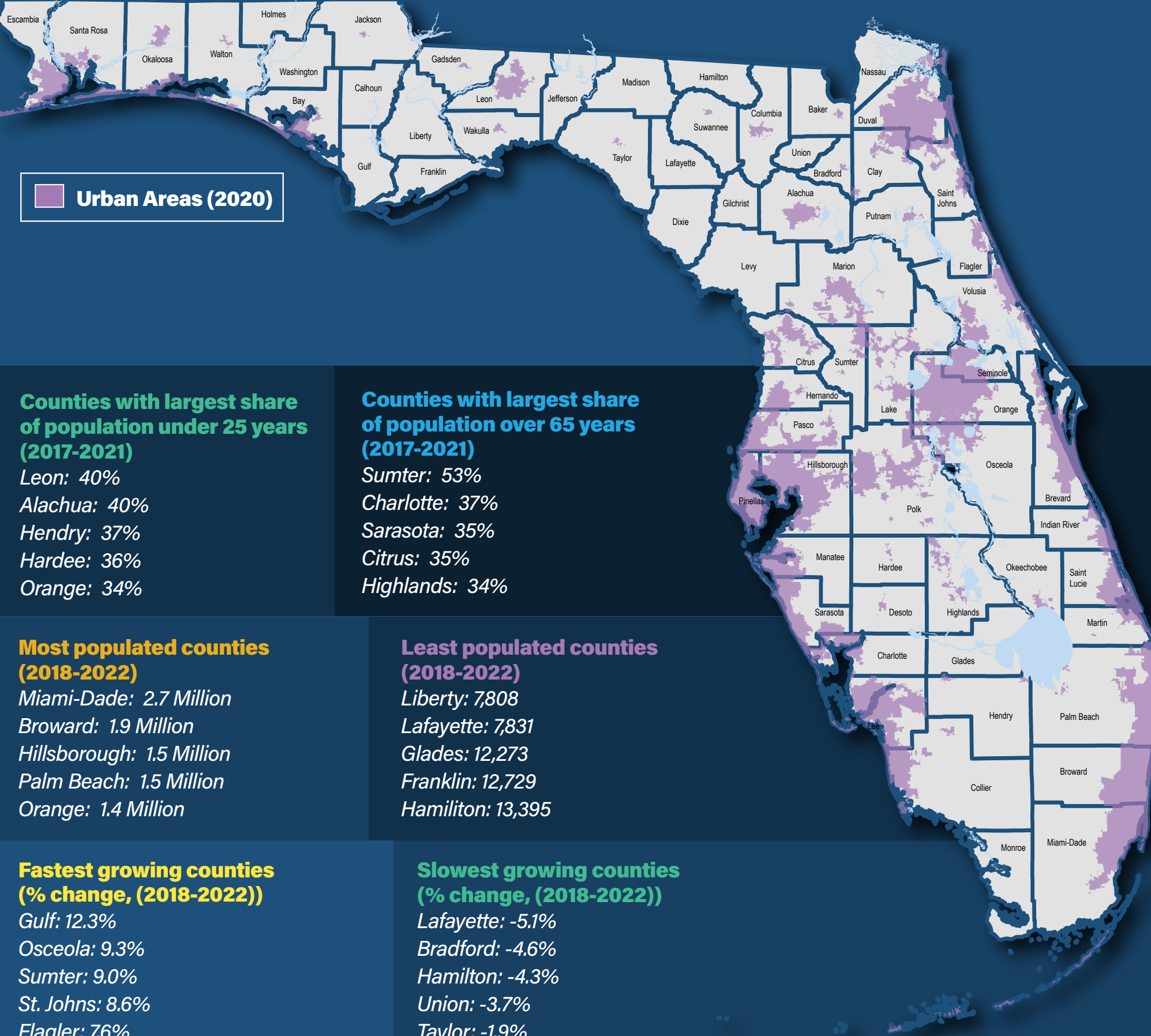
30% *of Florida's households speak a language* OTHER THAN ENGLISH *at home*

FLORIDA'S URBAN AREAS

Urban Areas (2020)

Counties with largest share of population under 25 years (2017-2021)
Leon: 40%
Alachua: 40%
Hendry: 37%
Hardee: 36%
Orange: 34%

Counties with largest share of population over 65 years (2017-2021)
Sumter: 53%
Charlotte: 37%
Sarasota: 35%
Citrus: 35%
Highlands: 34%

Most populated counties (2018-2022)
Miami-Dade: 2.7 Million
Broward: 1.9 Million
Hillsborough: 1.5 Million
Palm Beach: 1.5 Million
Orange: 1.4 Million

Least populated counties (2018-2022)
Liberty: 7,808
Lafayette: 7,831
Glades: 12,273
Franklin: 12,729
Hamiliton: 13,395

Fastest growing counties (% change, (2018-2022))
Gulf: 12.3%
Osceola: 9.3%
Sumter: 9.0%
St. Johns: 8.6%
Flagler: 7.6%

Slowest growing counties (% change, (2018-2022))
Lafayette: -5.1%
Bradford: -4.6%
Hamilton: -4.3%
Union: -3.7%
Taylor: -1.9%

Most densely populated counties (people per square mile) (2018-2022)
Pinellas: 3,551
Orange: 1,642
Broward: 1,637
Seminole: 1,567
Hillsborough: 1,488

Least densely populated counties (people per square mile) (2018-2022)
Liberty: 10
Lafayette: 14
Glades: 15
Taylor: 20
Franklin : 23

REGIONAL & LOCAL

Florida's **NONFARM EMPLOYMENT** *was over* **9.7 MILLION JOBS** *in May 2023*

Florida's 2021 median **HOUSEHOLD INCOME** *was* **$61,777**

13.1% *of Florida households lived* **BELOW THE POVERTY LINE** *in 2022*

Florida's **UNEMPLOYMENT RATE** was **2.6%** **IN APRIL 2023**

6% *of households in Florida* **DO NOT OWN A VEHICLE** *while another* **39%** *own only* **ONE VEHICLE**

TRANSPORTATION *is the* **FIFTH HIGHEST** **COST** *for a* **FAMILY OF FOUR** *in Florida*

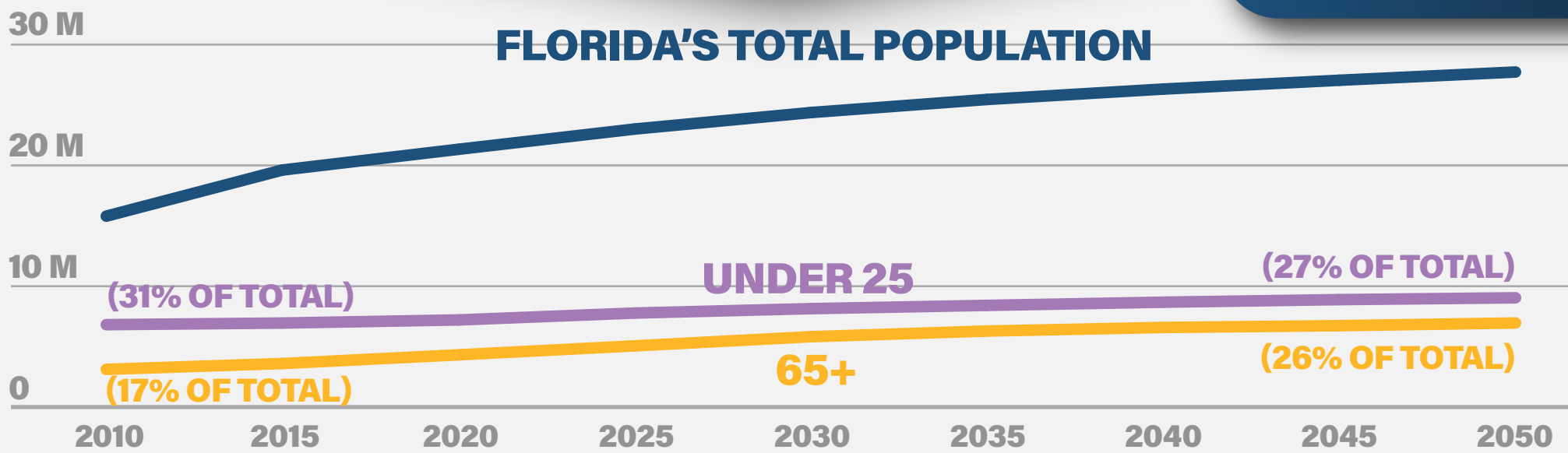**20%** *of Floridians have a commute time* **UNDER 15 MINUTES**

16.6% *of Floridians have a commute time of* **45 MINUTES OR LONGER**

TRANSPORTATION CHOICES

Motorcycle Endorsements 2017-2021	Walked to Work 2017-2021	Transit Revenue Miles 2017-2021	Average Commute Time 2017-2021
+8%	**-3%**	**-7%**	**-2%**

Bicycling to Work 2017-2021	Interregional Rail Passengers (SunRail/Tri-Rail) 2017-2021	Working from Home 2017-2021	Total Population 2017-2021
+3%	**-32%**	**+185%**	**+8%**

78.6% *of Florida's* **ANNUAL PERSON TRIPS** *is for* **FAMILY OR PERSONAL BUSINESS, SCHOOL, RECREATIONAL OR SOCIAL PURPOSES**

FLORIDA'S TOTAL POPULATION

30 M

20 M

10 M

(31% OF TOTAL) **UNDER 25** (27% OF TOTAL)

(17% OF TOTAL) **65+** (26% OF TOTAL)

0

2010 2015 2020 2025 2030 2035 2040 2045 2050

60% *of Florida's* **POPULATION GROWTH** *between 2021 and 2050 is projected to be concentrated in* **10 COUNTIES**

[*Orange, Hillsborough, Miami-Dade, Lee, Palm Beach, Broward, Polk, Osceola, Duval & Pasco*]

Florida's **65+ POPULATION** *is projected to* **GROW BY** **67%** *by 2050*

67% OF AGING ROAD USERS *(age 65+) are* **OUTLIVING THEIR ABILITY TO DRIVE** *by an average of* **7-10 YEARS**

Florida is projected to add **580 PEOPLE EVERY DAY** *for the next* **30 YEARS**

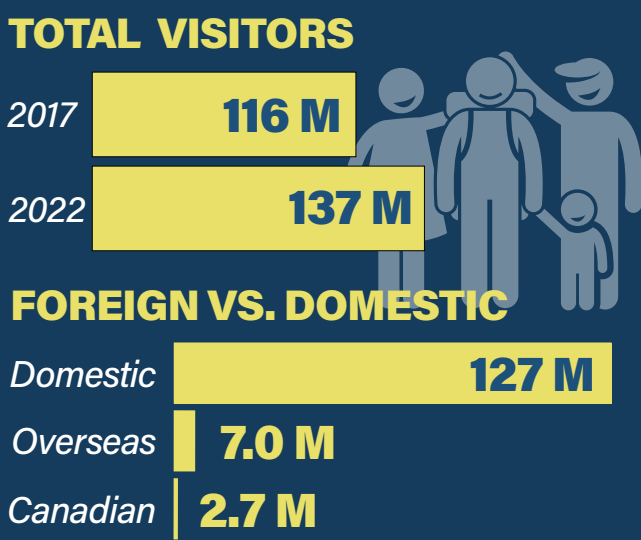### INCREASING DIVERSITY (PROJECTED GROWTH BY RACE)

Non-Hispanic White	+10%
Non-Hispanic Black	+36%
Hispanic	+54%
Other	+42%

Florida has GDP of
$1.3 TRILLION
ranking **4TH** among all states

If Florida were an independent country, it would rank
15TH _in the world_

TOTAL VISITORS

2017	116 M
2022	137 M

38% of Florida's visitors **ARRIVE VIA AIR**

FOREIGN VS. DOMESTIC

Domestic	127 M
Overseas	7.0 M
Canadian	2.7 M

Florida has a population of
22.2 MILLION
today, ranking
3RD _among the states_

MIGRATION _accounts for_ 89% _of_ POPULATION GROWTH _between_ 2010 & 2020

Florida's
COMBINATION TRUCK TONNAGE DECREASED
0.6% _between 2016 & 2020_

AVIATION VOLUME INCREASED
21.5% _between 2017 & 2021_

RAIL TONNAGE DECREASED
16% _between 2017 & 2021_

SEAPORT TONNAGE INCREASED
2% _between 2018 & 2022_
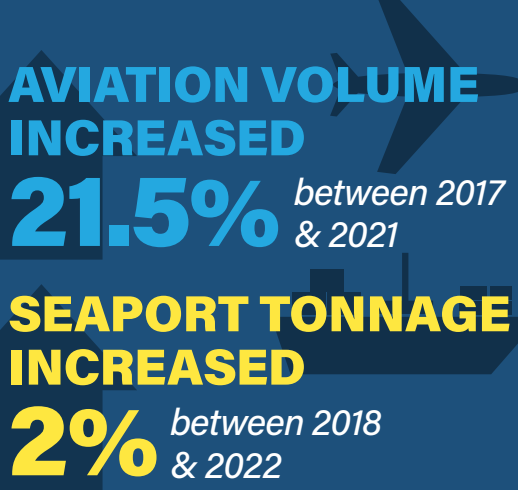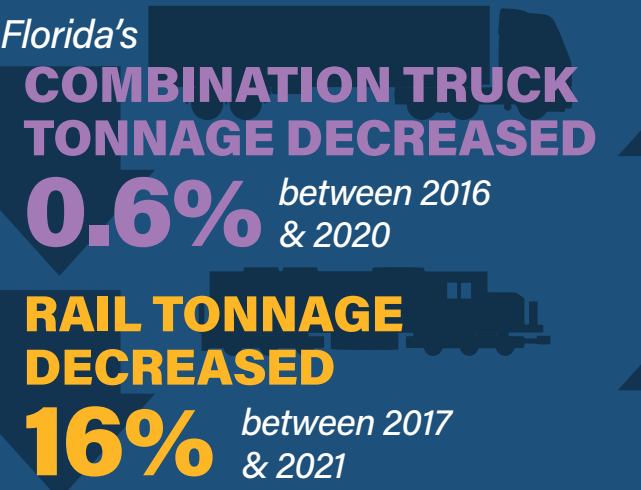
For 2022 Florida's total merchandise trade was
$190 BILLION

$103 B IMPORT	$87 B EXPORT

Florida is home to
21 U.S. military bases with more than
66,971
active military personnel

FATALITY RATE
(per 100 million VMT in 2021)

Florida	1.72
National	1.28
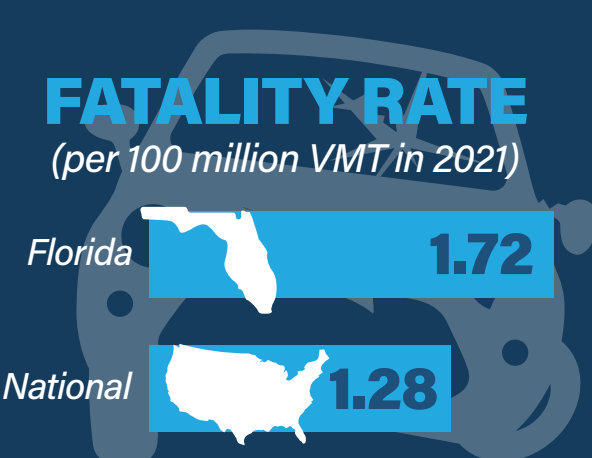
Florida manufacturers employed
388,000 WORKERS
in 2021, producing
$64.5 BILLION IN OUTPUT

NEXT

Florida's population is projected to grow from
22.2 MILLION
in **2022** to
27.9 MILLION
residents in **2050**

An increase of
25%

The total number of **OUT-OF-STATE VISITORS** to Florida is projected to
INCREASE 46% _between 2023 and 2043_

FLORIDA'S 2030 GOALS

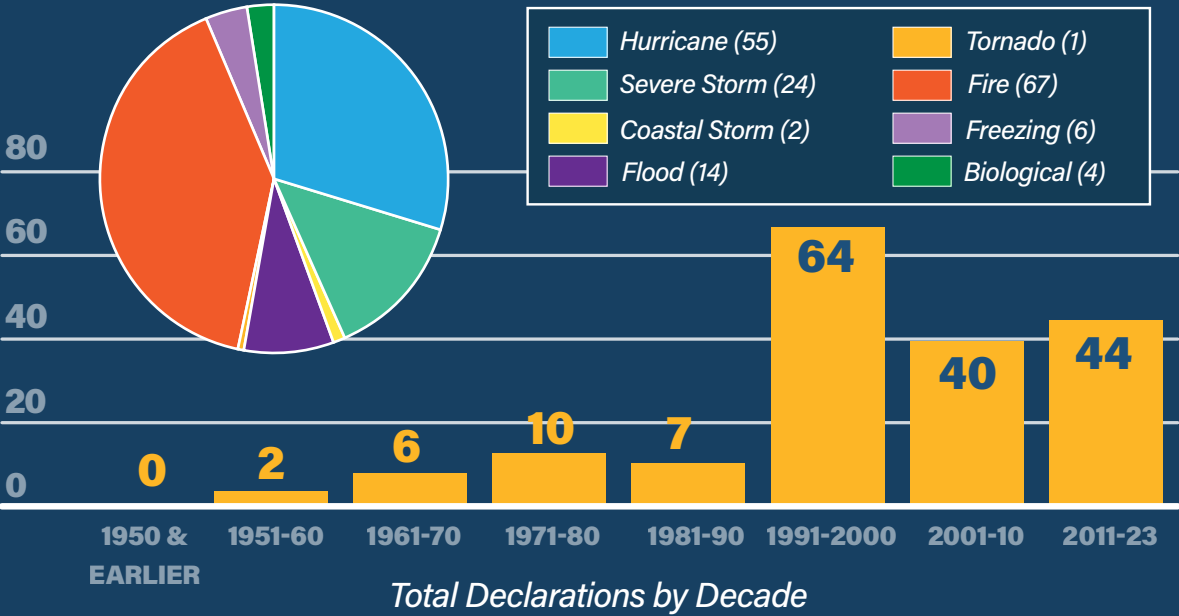|		
GLOBAL RANKING FOR GROSS DOMESTIC PRODUCT	**10th**	**$92B** ORIGIN GOODS EXPORTS TO GLOBAL MARKETS
TRADE, LOGISTICS, & MANUFACTURING JOBS	**1.3M**	**$129B** SERVICES EXPORTS TO GLOBAL MARKETS
U.S. RANKING FOR MANUFACTURING OUTPUT	**5th**	**4.8%** RURAL COUNTIES' SHARE OF FLORIDA GDP

RESILIENCE

Florida has a **HIGHER FREQUENCY OF TORNADOES** per 10,000 square miles **THAN ANY OTHER STATE**

There are **16.9 MILLION PEOPLE** living in Florida's **COASTAL COUNTIES**

2 OUT OF 10 Florida regions have a **SHORTAGE OF SHELTER SPACE** for the general population

3 REGIONS have a shortage of shelter space for **SPECIAL NEEDS POPULATIONS**

FEDERAL EMERGENCY MANAGEMENT AGENCY TOTAL DECLARATIONS

Legend:
- Hurricane (55)
- Severe Storm (24)
- Coastal Storm (2)
- Flood (14)
- Tornado (1)
- Fire (67)
- Freezing (6)
- Biological (4)

Total Declarations by Decade:
- 1950 & EARLIER: 0
- 1951-60: 2
- 1961-70: 6
- 1971-80: 10
- 1981-90: 7
- 1991-2000: 64
- 2001-10: 40
- 2011-23: 44

HURRICANE IAN
Category 4 - September 2022
- 23 counties evacuated
- 739,771 insurance claims
- $17.2 BILLION in estimated insurance loss

Florida Hurricanes (Category 3 and Above) from 1953- 2022

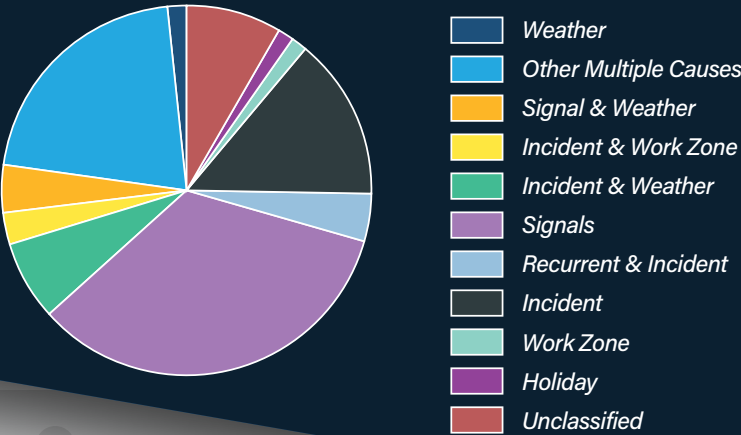## HURRICANE NICOLE
Category 1 - November 2022
- 12 counties evacuated
- 28,092 insurance claims
- $253 MILLION in estimated insurance loss

Since 2000, **TIDAL FLOODING** across Florida has **INCREASED BY 352%**, while sea levels are rising about **1 INCH EVERY THREE YEARS**

SOURCES OF CONGESTION

Legend:
- Weather
- Other Multiple Causes
- Signal & Weather
- Incident & Work Zone
- Incident & Weather
- Signals
- Recurrent & Incident
- Incident
- Work Zone
- Holiday
- Unclassified

In Florida, **INCIDENTS, WEATHER, CONSTRUCTION, AND OTHER SPECIAL EVENTS** account for **46% OF CONGESTION**

AVERAGE ANNUAL FUEL PRICES IN FLORIDA

Y-axis: $0, $1, $2, $3, $4, $5
X-axis: 2007, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2022, 2023 (YTD)
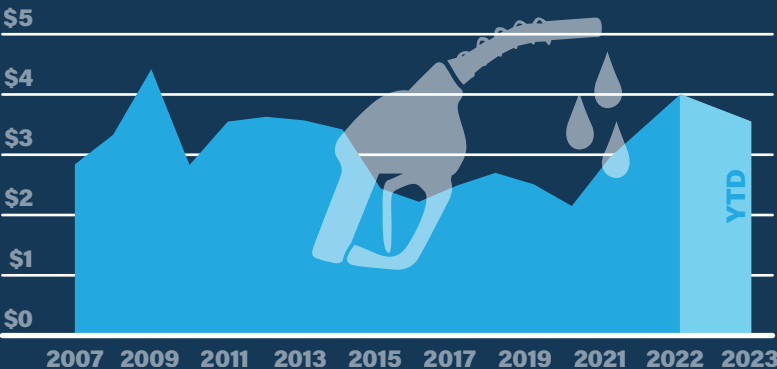
INFLATION IS AT A 40-YEAR HIGH

After **LOSING 1.8M JOBS** in early 2020, Florida has **GAINED BACK ALL LOST JOBS** and **ADDED AN ADDITIONAL 664,000 JOBS**

The increasing **GLOBAL INTEGRATION** of Florida's economy means our **TRADE, TOURISM, AND OTHER INDUSTRIES** can be impacted by recessions, instability, and supply chain disruptions around the world
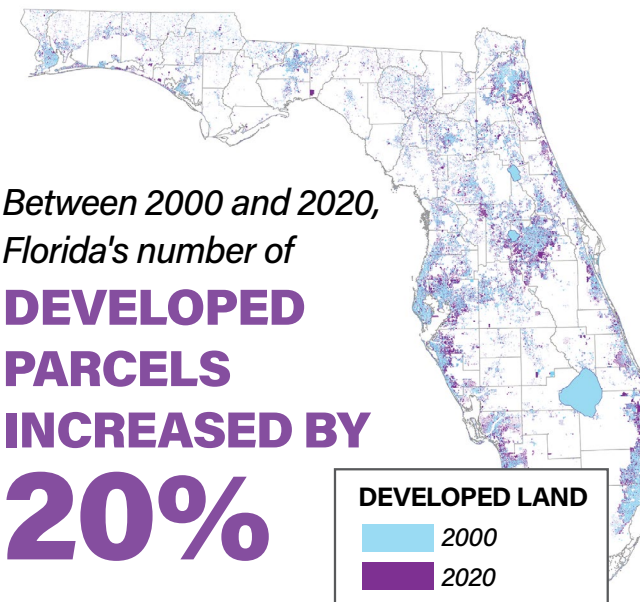
More than **1/2 OF ALL JOBS COULD BE AUTOMATED TODAY** using current technologies

Up to **85% OF ALL JOBS** in 2030 could be in industries or occupations that **DO NOT EXIST TODAY**

Statewide partner studies of potential future development in the year 2070 project between **3.5 MILLION & 5.4 MILLION ACRES** of **ADDITIONAL LAND** could be developed

Florida can expect between **2.2 AND 2.5 INCHES OF SEA LEVEL RISE** between 2020 and 2030

Depending on Location, NOAA Low Projection (2022)

Between 2000 and 2020, Florida's number of **DEVELOPED PARCELS INCREASED BY 20%**

DEVELOPED LAND
- 2000
- 2020

TECHNOLOGY

More Floridians **WORK FROM THEIR HOMES** *than* **USE PUBLIC TRANSIT** for their commute to work

TELEHEALTH USE HAS INCREASED **38X** *from the pre-COVID 19 baseline*

62% *of college students took at least one* **ONLINE COURSE** *in 2021*

85.4% of Florida households have a **BROADBAND INTERNET CONNECTION**

98.9% of urban areas & **86.1%** of rural areas have **3 OR MORE SERVICE PROVIDERS**

E-commerce has more than **TRIPLED** *in the U.S. since 2019*

Inner city trips with **SHARED BICYCLES & E-SCOOTERS** *have risen* **60%** **YEAR-OVER-YEAR**
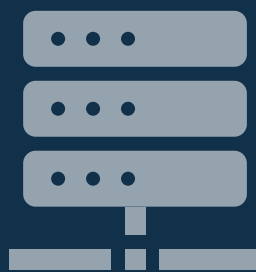
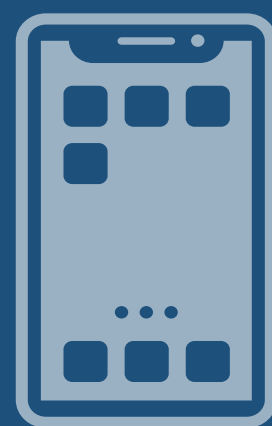*The* **TOTAL AMOUNT OF DATA** *consumed in 2021 was* **79 ZETTABYTES** *and is projected to be over* **180 ZETTABYTES** *by 2025*

Globally, **84%** *of* **MOBILE CONNECTIONS** *will be with* **SMARTPHONES** *in 2025*

24 states allow level 4 **AUTONOMOUS SEMI-TRUCK COMMERCIAL DEPLOYMENT**

By 2030, nearly half of medium- and heavy-duty trucks will be **CHEAPER TO BUY, OPERATE, AND MAINTAIN AS ZERO EMISSIONS VEHICLES**

By 2030, **AUTOMOBILE MANUFACTURERS** *are expecting upwards of* **50%** *of global vehicle sales will be* **ELECTRIC**

Globally, the majority of new cars shipped will be equipped with embedded **CONNECTIVITY TECHNOLOGY** *in 2023, and the share of* **CONNECTED CARS** *will account for nearly* **3/4 OF ALL CARS SOLD BY 2025**

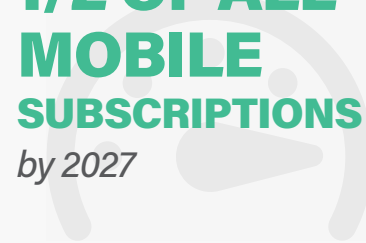**5G** *will account for nearly* **1/2 OF ALL MOBILE SUBSCRIPTIONS** *by 2027*

In 2022, the **GLOBAL ADDITIVE MANUFACTURING MARKET SURPASSED $256 BILLION** *and is suspected to* **GROW $183 BILLION** *by 2032*
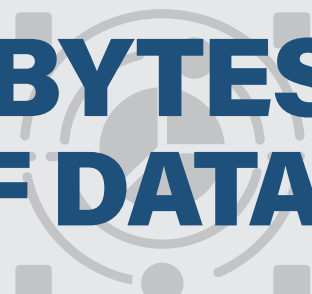
By 2025, it is estimated that more than **171 ZETTABYTES** **(171×10^{21}) OF DATA** *will be generated annually*

AMAZON AIR *would put* **70%** *of the* **U.S. POPULATION** *within* **NEXT-DAY REACH**

By 2030, **URBAN AIR MOBILITY** *could provide* **750 MILLION PASSENGER FLIGHTS** *per year*

COMMERCIAL SPACE STATIONS *may be developed in* **low earth orbit** *as early as 2025*

UPS used **DRONES TO DELIVER COVID-19 VACCINES** *in Winston Salem, North Carolina.* **DRONES WERE ALSO USED TO DELIVER PRESCRIPTION MEDICATION** *in The Villages, Florida.*

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FORECASTING AND TRENDS OFFICE

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SOURCES