



EMERGING TRENDS



FORECASTING AND TRENDS OFFICE

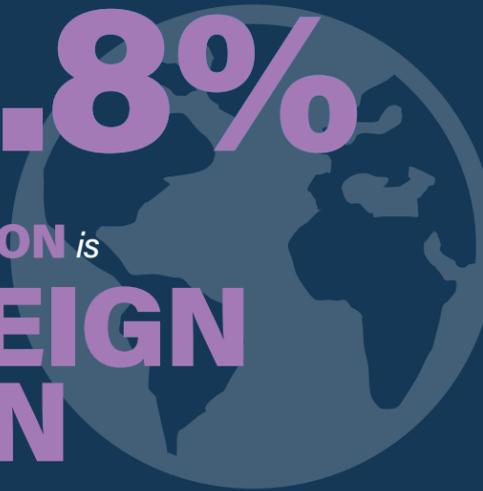
JULY 2022

9 OUT OF 10
FLORIDIANS
live in **URBAN AREAS**



20.8%

of Florida's
POPULATION is
FOREIGN BORN

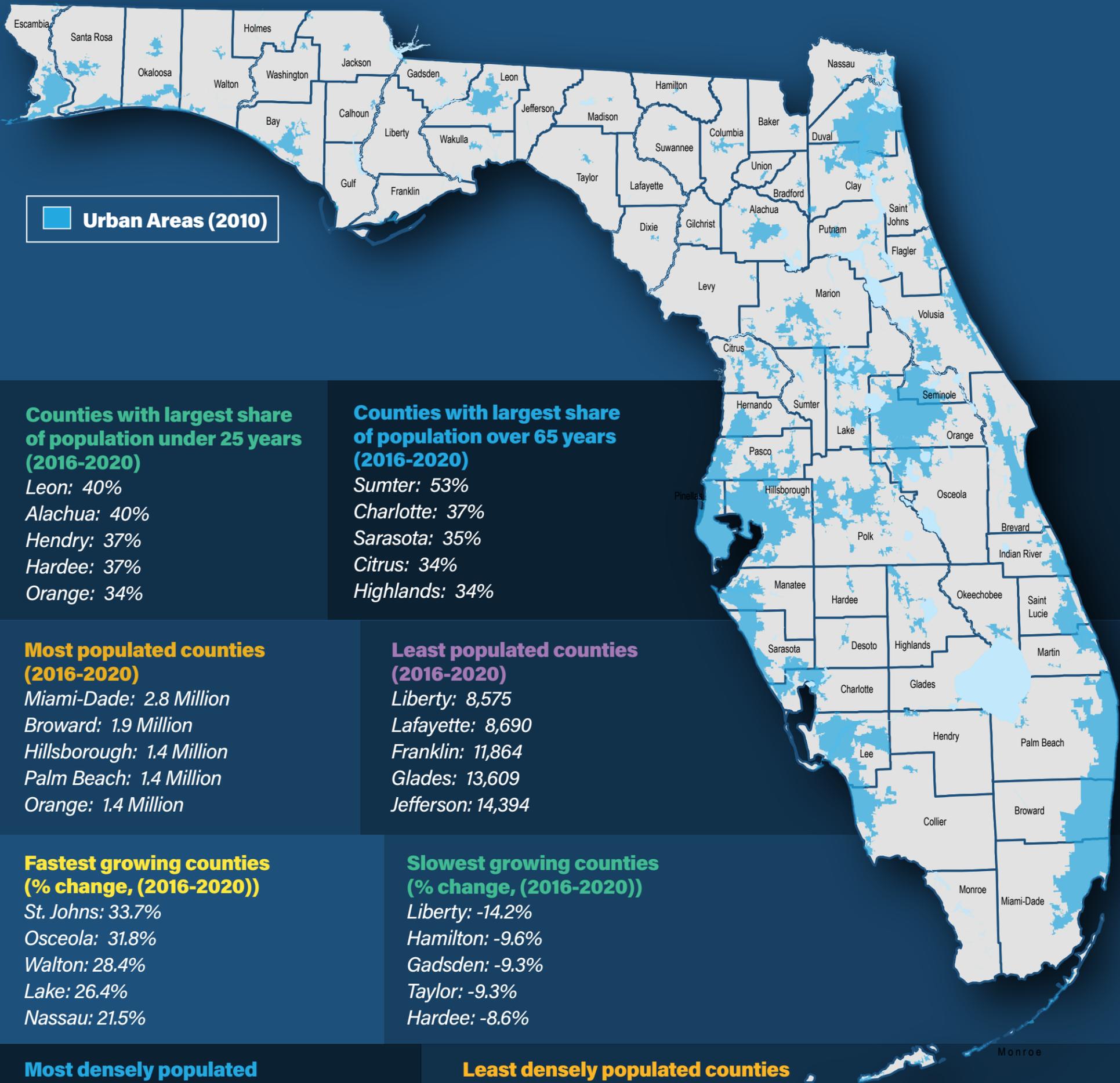


6.9%

of Florida's households are
LIMITED ENGLISH SPEAKING



FLORIDA'S URBAN AREAS



Counties with largest share of population under 25 years (2016-2020)
 Leon: 40%
 Alachua: 40%
 Hendry: 37%
 Hardee: 37%
 Orange: 34%

Counties with largest share of population over 65 years (2016-2020)
 Sumter: 53%
 Charlotte: 37%
 Sarasota: 35%
 Citrus: 34%
 Highlands: 34%

Most populated counties (2016-2020)
 Miami-Dade: 2.8 Million
 Broward: 1.9 Million
 Hillsborough: 1.4 Million
 Palm Beach: 1.4 Million
 Orange: 1.4 Million

Least populated counties (2016-2020)
 Liberty: 8,575
 Lafayette: 8,690
 Franklin: 11,864
 Glades: 13,609
 Jefferson: 14,394

Fastest growing counties (% change, (2016-2020))
 St. Johns: 33.7%
 Osceola: 31.8%
 Walton: 28.4%
 Lake: 26.4%
 Nassau: 21.5%

Slowest growing counties (% change, (2016-2020))
 Liberty: -14.2%
 Hamilton: -9.6%
 Gadsden: -9.3%
 Taylor: -9.3%
 Hardee: -8.6%

Most densely populated counties (people per square mile) (2016-2020)
 Pinellas: 3,504
 Broward: 1,617
 Orange: 1,585
 Seminole: 1,522
 Hillsborough: 1,428

Least densely populated counties (people per square mile) (2016-2020)
 Liberty: 10
 Glades: 15
 Lafayette: 15
 Taylor: 21
 Franklin: 23

REGIONAL & LOCAL

NOW

Florida's **NONFARM EMPLOYMENT** was over **9 MILLION JOBS** in April 2022



Florida's **UNEMPLOYMENT RATE** was **3.0%** IN SECOND QUARTER 2022



Florida's 2020 median **HOUSEHOLD INCOME** was **\$57,703**



12.4% of Florida households lived **BELOW THE POVERTY LINE** in 2021



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



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



20% of Floridians have a commute time **UNDER 15 MINUTES**
18% of Floridians have a commute time of **45 MINUTES OR LONGER**



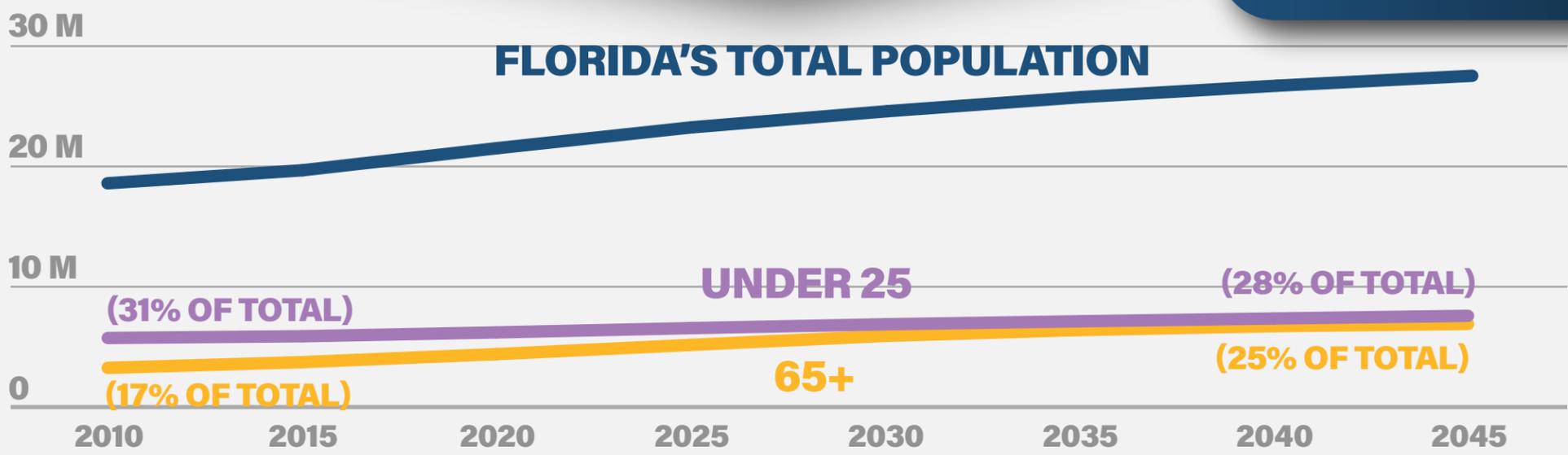
TRANSPORTATION CHOICES

Motorcycle Endorsements 2016-2020 +11%	Walked to Work 2016-2020 -7%	Transit Revenue Miles 2016-2020 +8%	Average Commute Time 2016-2020 +4%
Bicycling to Work 2016-2020 -14%	Interregional Rail Passengers (SunRail/Tri-Rail) 2016-2020 -39%	Working from Home 2016-2020 +26%	Total Population 2016-2020 +7%

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



NEXT



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 73%** by 2045



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	+12%
Non-Hispanic Black	+57%
Hispanic	+102%
Other	+66%

Florida has GDP of

\$1.2 TRILLION

ranking **4TH** among all states

If Florida were an independent country, it would rank

15TH in the world

Florida has a population of

21.5 MILLION

today, ranking

3RD among the states

MIGRATION

from other states and nations accounted for

32% of **POPULATION GROWTH** between

2010 & 2020

TOTAL VISITORS

2017 **116 M**

2021 **122 M**

FOREIGN VS. DOMESTIC

Domestic **117.38 M**

Overseas **4.06 M**

Canadian **0.58 M**

36%

of Florida's visitors

ARRIVE VIA AIR

Florida's

COMBINATION TRUCK TONNAGE DECREASED

0.6% between 2016 & 2020

RAIL TONNAGE DECREASED

4.5% between 2015 & 2019

AVIATION VOLUME INCREASED

13.0% between 2016 & 2020

SEAPORT TONNAGE DECREASED

4.6% between 2016 & 2020

For 2021 Florida's total merchandise trade was

\$164.1 BILLION

\$89.4 B IMPORT

\$74.7 B EXPORT

Florida is home to

21 U.S. military bases with more than

65,000

active military personnel

FATALITY RATE

(per 100 million VMT in 2020)

Florida **1.61**

National **1.34**

Florida manufacturers employed

382,000 WORKERS

in 2020, producing

\$56 BILLION

IN OUTPUT

Florida's population is projected to grow from

21.5 MILLION

in **2020** to

27.8 MILLION

residents in **2050**

An increase of

29%

The total number of

OUT-OF-STATE VISITORS

to Florida is projected to

INCREASE

55% between 2019 and 2031

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

NOW

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

There are **15 MILLION PEOPLE** living in Florida's **COASTAL COUNTIES**

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

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



HURRICANE MICHAEL

October 2018

35 counties evacuated
375,000 residents affected
\$5.8 BILLION in estimated insurance loss



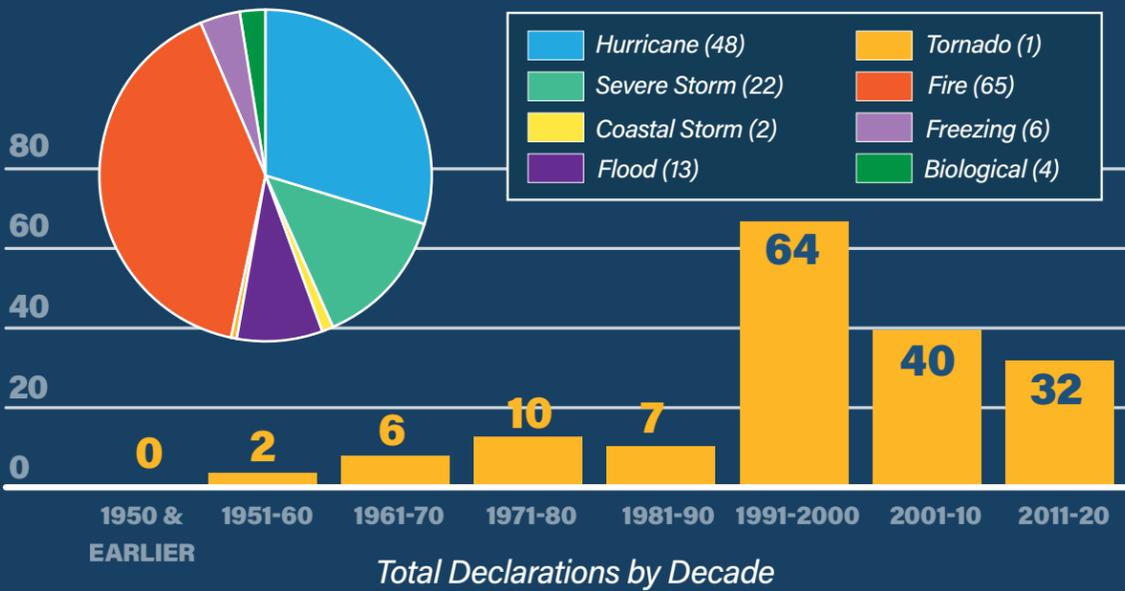
HURRICANE IRMA

September 2017

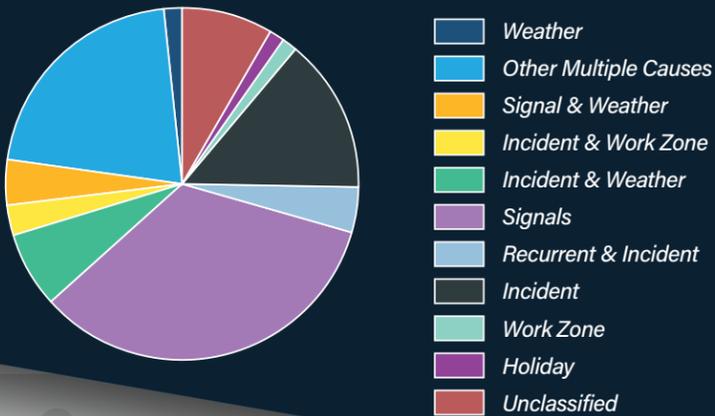
54 counties evacuated
6.8 MILLION residents affected
\$11.1 BILLION in estimated insurance loss

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

FEDERAL EMERGENCY MANAGEMENT AGENCY TOTAL DECLARATIONS

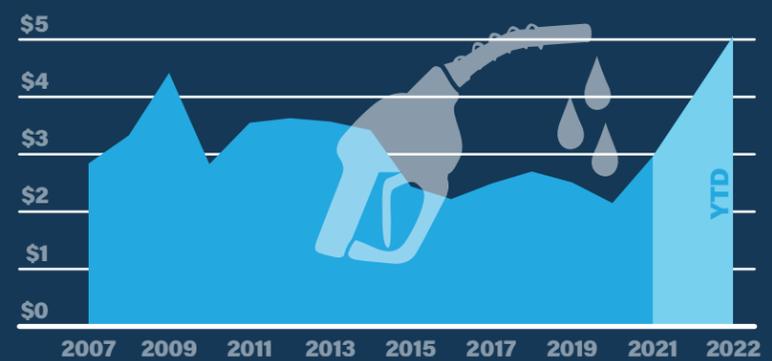


SOURCES OF CONGESTION



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

AVERAGE ANNUAL FUEL PRICES IN FLORIDA



NEXT

INFLATION IS AT A 40-YEAR HIGH

After **LOSING 1.2M JOBS** in early 2020, Florida has **GAINED BACK ALL LOST JOBS** and **ADDED AN ADDITIONAL 223,000 JOBS**



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**

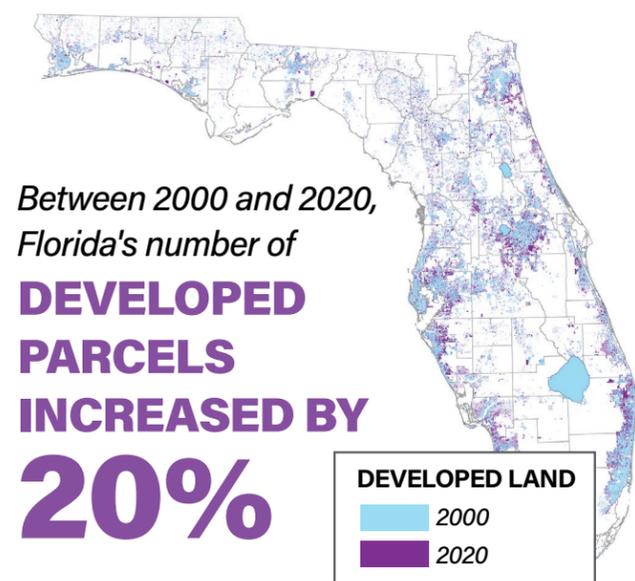
The increasing **GLOBAL INTEGRATION** of Florida's economy means our **TRADE, TOURISM, AND OTHER INDUSTRIES** can be impacted by recessions, instability, and supply chain disruptions around the world

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)



TECHNOLOGY

NOW

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



52%

of college students took at least one **ONLINE COURSE** from 2019-2020



85.4%

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

98.9% & **86.1%**
of urban areas & 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

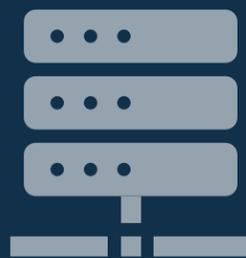
ZETTABYTES

and is projected to be over

180

ZETTABYTES

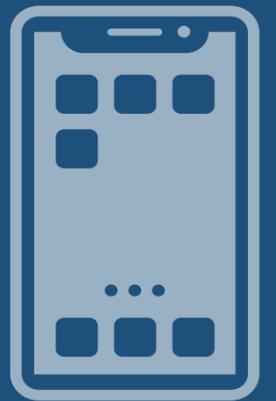
by 2025



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**

NEXT

5G will account for nearly

1/2 OF ALL MOBILE SUBSCRIPTIONS by 2027



In 2019, the **GLOBAL ADDITIVE MANUFACTURING MARKET SURPASSED \$10 BILLION**

and is suspected to

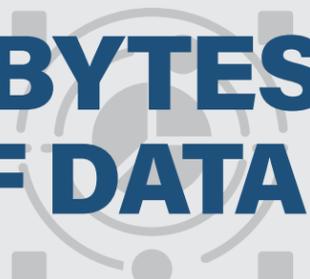
DOUBLE EVERY 3 YEARS



By 2025, it is estimated that more than

171 ZETTABYTES (171 X 10²¹) 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.





FORECASTING AND TRENDS OFFICE

Brian Watts

Florida Department of Transportation
605 Suwannee Street, Mail Station 28

Tallahassee, Florida 32399-0450

850-414-4818 // Brian.Watts@dot.state.fl.us

www.fdot.gov/planning/fto

SOURCES