

Miami-Dade Transportation Planning Organization

SMART TRENDS TRANSPORTATION SUMMIT



BREAKOUT ROOM 1

MIAMI-DADE PORTS & ECONOMIC FORUM



About PortMiami

Economic Engine generating \$43 billion and supporting 334,500 jobs in Florida.

It is recognized as the Cruise Capital of the World and Cargo Gateway of the Americas.





Cruise Statistics

Prior to the Pandemic,

PortMiami was on track to exceed 7 million cruise passengers.

The sector generated **\$7 billion/40,000 jobs a year** from ground/air transportation, food/beverages, lodging, manufacturing, agriculture, travel agencies, hotels, and more.

CRUISE PASSENGERS past 6 years

FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
4,980,000	5,340,000	5,419,000		3,477,516 Pandemic	

252,099 PASSENGERS





RoyalCaribbear

NATIONA

VOYAGES

Recent Passenger Terminal Investments

CT B - Norwegian Cruise Line Opened – August 2021 Architect - Bermello Ajamil

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CT A - Royal Caribbean Opened - November 2018 Architect - Broadway Malyan

> CT V - Virgin Voyages Opened - February 2022 Architect - Arquitectonica



Future Passenger Terminal Investments

CT AA/AAA - MSC Cruise Line Groundbreaking - March 2022 Completion date - December 2023 Architect - Arquitectonica

Carnival

CT F - Carnival Cruise Line Completion date - October 2022 Architect - Berenblum Busch

MSC

Miami International Airport and Cruising

ARRIVALS

15% Arrivals are PortMiami Passengers

- Miami International Airport is #1 in international cargo and in international passengers in the U.S.
- About 1 out of 7 (15%) of MIA's passengers are PortMiami cruise passengers.

CRUISE

MIAMI INTERNATIONAL AIRPORT



Cargo Statistics

Despite the Pandemic, Cargo numbers continue to exceed expectations with a recorded **1.25 million TEUs, up 17.6%**,

> making it the busiest year in cargo activity in PortMiami's history. The Port has surpassed the 1 million TEU mark for seven consecutive years.



TEUs past 6 years

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FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
1,028,155	1,020,192	1,083,586	1,120,913	1,066,738	1,254,062

CMA CGM

MAERSK

AD

CARGO

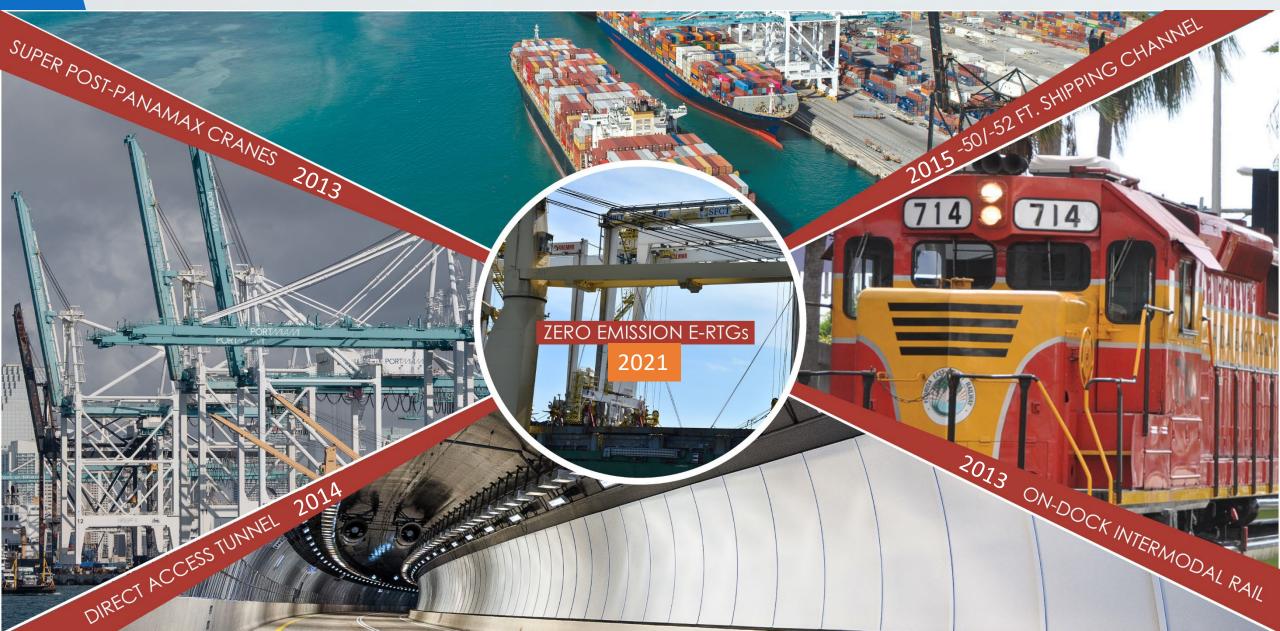
1,254,062 TEUs

ZIM

HAMBURG SÜD K Hapag-Lloyd



Thanks to Our County's Past Investments





Cargo is OPEN

Mayor Daniella Levine Cava with an "OPEN" Campaign message

Due to our commitment to the OPEN Campaign, PortMiami is now the **#1 Port in Florida** and **#2 in North America** for **efficient container performance**.

CARGO



Current National Concerns

Supply Chain Challenges

- U.S. supply chains are under duress.
 - Ships are at anchorage on the West and East Coasts
 - Ocean freight rates Asia/U.S. up 900%
 - Empties for U.S. exports are not available
 - Labor shortages highlighted by truck driver shortages
 - Fuel prices
 - General inflation
 - Geo-political conflict
 - Goods out of stock

CURRENT

-

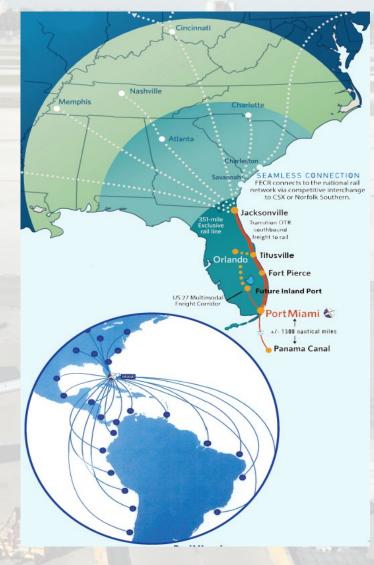
Next Sea-Change for U.S. Supply Chains Opportunity

Nearshoring Program Offers Solution to Current Challenges

PORTMAM

CURRENT

- Congress has made nearshoring a primary foreign policy objective, by introducing the Latin American Nearshoring Act HR 7579.
 - Relocation of manufacturing operations closer to the U.S.
- PortMiami, Gateway to the Americas is READY to lead this initiative due to its proximity to Latin America and the Caribbean.
- INFRA Infrastructure for Rebuilding America grant program will offer PortMiami FUTURE READY opportunities.





FUTURE

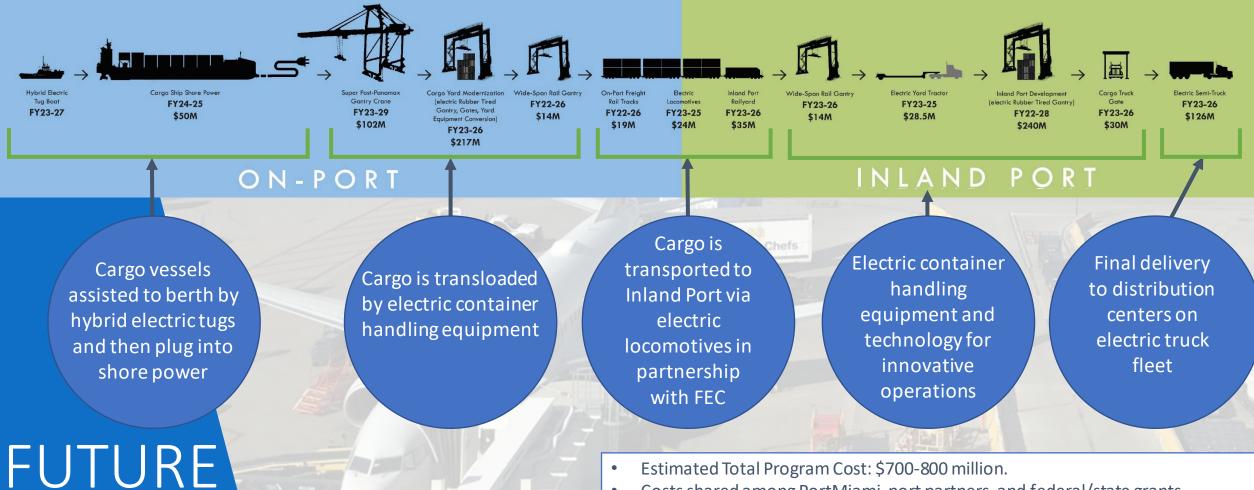
Our Future Ready Vision

PortMiami has embarked on the development of a visionary and transformational program to develop the nation's first end-to-end net zero carbon emission supply chain in line with the County's 2030 50% emissions reduction goal, while also working towards the County's economic development goals.

The Infrastructure Investment and Jobs Act (IIJA) is an unprecedented opportunity. A \$1.2 trillion package with **\$17.5 billion dedicated to ports.**

NetZero Supply Chain Program

PORTMIAMI NET ZERO SUPPLY CHAIN PROGRAM



PORTMAM

• Costs shared among PortMiami, port partners, and federal/state grants.



NetZero Supply Chain Program



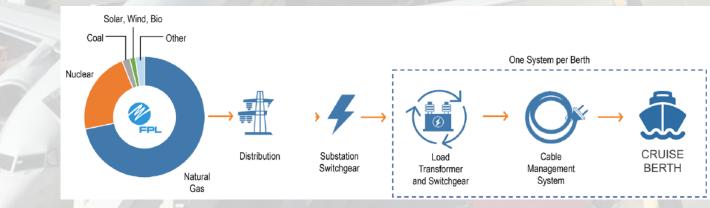


NetZero Supply Chain Program – Shore Power

 Shore Power Phase 1 under design for five Cruise Terminals: CT AA/AAA (MSC Cruises), CT A (Royal Caribbean Group), CT F (Carnival Corp), CT B (Norwegian Cruise Line Holdings) and CT V (Virgin Voyages) for implementation in Winter 2023 for a total investment of \$110 million with Phase I at \$55 million.



• **Diesel Emission Reduction Act (DERA) Grant** for shore power infrastructure from the EPA anticipated to be awarded in the amount of \$2 million.



FUTURE

PORTMAM

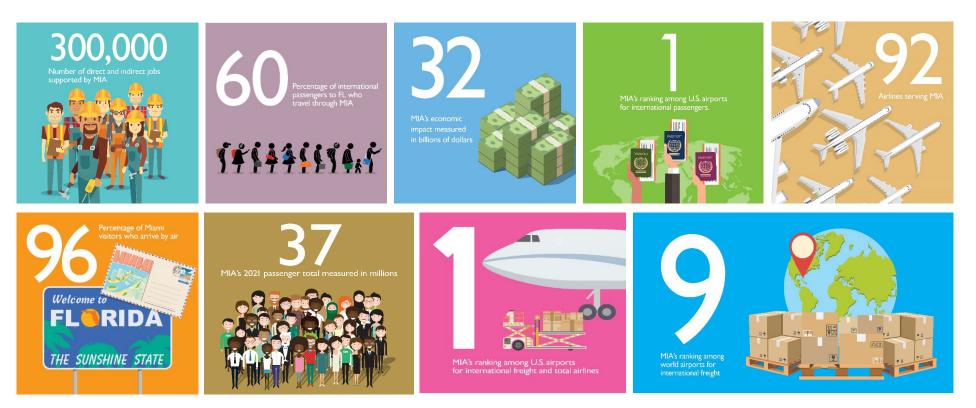






Ralph Cutie *Director and Chief Executive Officer* Miami-Dade Aviation Department

MIA BY THE NUMBERS



• Economic impact on related airport users statewide: \$118 billion and 697,255 jobs

New Airlines:

- Southwest Airlines (November 2020): \$853.7 million; 6,800 jobs
- JetBlue Airways (February 2021): \$915 million in business revenue; 7,300 jobs
- Emirates (July 2021): First-ever Miami-Dubai service; MIA's 4th Middle East route
- Spirit Airlines (November 2021): \$1.6 billion in business revenue; 12,500 jobs

PASSENGER GROWTH

- Largest growth in airline seats in the <u>world</u>, March 2022 vs. March 2019
- Three busiest days ever in March 2022, including record day of 168,000 on 3/20/22
- Passenger traffic up 9.8% May 2022 calendar year to date vs. May 2019 CYTD
- Busiest U.S. airport for international passengers, 11th-busiest in the world (2021)
- 9th-busiest in the world for aircraft operations, up from 24th in 2020 and 30th in 2019

TOP TWENTY AIRPORTS

Top Twenty Airports

Search...

Airports	Seats in Mar-22	Change v Mar-19	Change v Feb-22
Atlanta	4,552,931	-16.4%	3.4%
Dubai	3,703,845	-23.1%	5.8%
Delhi	3,504,739	6.7%	18.4%
Guangzhou	3,453,950	-7.1%	6.6%
Dallas/Fort Worth	3,413,061	-3.2%	0.4%
Chicago O'Hare	3,331,536	-19.4%	5.8%
Denver	3,267,307	0.8%	1.3%
Los Angeles	3,167,305	-26.5%	2.7%
Tokyo Haneda	2,974,916	-35.6%	12.1%
London Heathrow	2,914,169	-30.2%	21.0%
New York JFK	2,817,356	-10.7%	4.2%
Istanbul	2,798,427	-15.7%	6.7%
Jakarta	2,784,238	-13.7%	-1.4%
Shanghai Pudong	2,771,643	-27.9%	5.3%
Miami	2,748,878	17.2%	0.6%
Beijing	2,631,166	-49.0%	12.1%
Orlando	2,625,881	-2.4%	6.8%
Paris CDG	2,580,804	-27.3%	15.2%
Shenzhen	2,523,846	-5.4%	0.8%
Amsterdam	2,509,452	-24.5%	13.0%

Source: Official Airline Guide (OAG)

MIA INDUSTRY RANKINGS & AIR SERVICE



MIA CARGO HIGHLIGHTS (2021)



MIA TOP IMPORT COMMODITIES (2021)

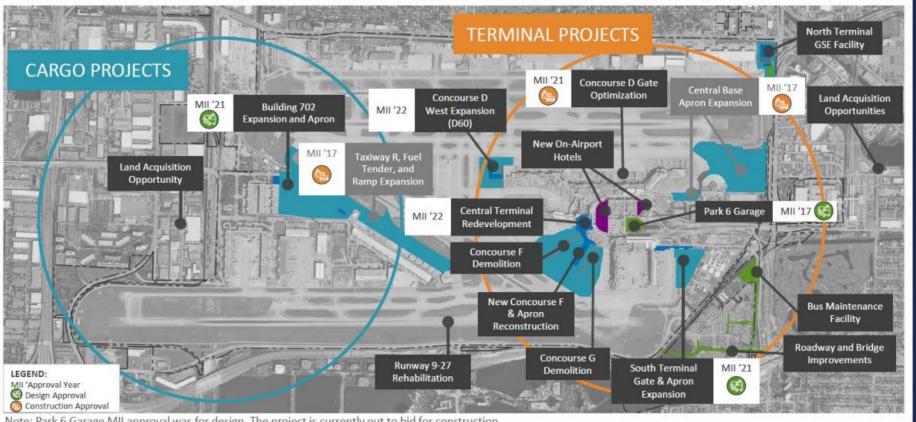
MIA leads all U.S. Airports in Perishables Cargo by a wide margin





- Negotiations approved by BCC in March 2022
- Five-level, 1.7M square-foot, state-of-the-art cargo handling facility
- Private investment of \$2 billion; 13,620 jobs during construction
- Over 3,000 permanent cargo operations jobs
- Annual capacity of 4.5M metric tons
- Projected completion: 2027

MIA'S CAPITAL IMPROVEMENT PROGRAM (CIP)



- Note: Park 6 Garage MII approval was for design. The project is currently out to bid for construction.
 - Future Fumigation and Cold Chain Processing Facility at SW corner of MIA
 - 100,000-sq-ft facility for airport and PortMiami cargo imports
 - Capacity to reduce average truck gate processing time from 2 hours to 1 hour
 - Provides alternative to offload perishables at PortMiami presently diverted to Northeast U.S. ports and trucked back to South Florida
 - Funded by \$44M U.S. DOT grant, FDOT & County match of \$21M

MIA'S CAPITAL IMPROVEMENT PROGRAM (CIP)

Project Sequencing and Anticipated Timelines MII Approval Year AE PROCUREMENT DESIGN PROCUREMENT CONSTRUCTION 🔄 Design Approval Construction Approval 0 TIMELINE 2021 2022 2023 2024 2025 2026 2027 2028 2030 2031 2032 2029 2033 MII 2021 S) **Concourse D Gate Optimization** 62 MII 2021 S) South Terminal Gate and Apron Expansion S) MII 2022 **Central Terminal Redevelopment Phase 1** S) Concourse D West Expansion (D60) MII 2022 S) **Central Terminal Redevelopment Phase 2** MII 2022 S) Lower Concourse E FIS Renovations S) New Concourse F

CUSTOMER EXPERIENCE ENHANCEMENT INITIATIVE



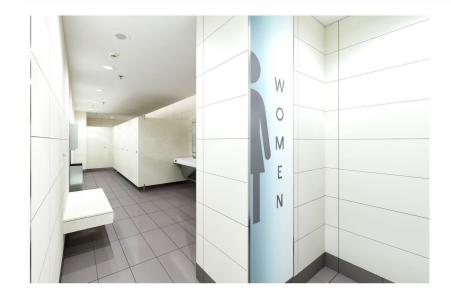


Passenger Loading Bridges (PLBs)

- Total of 128 PLBs
- Replacement of first 42 bridges underway
- Annual refurbishments in progress
- Completion by 2025 (2/3 new or refurbished)



CUSTOMER EXPERIENCE ENHANCEMENT INITIATIVE



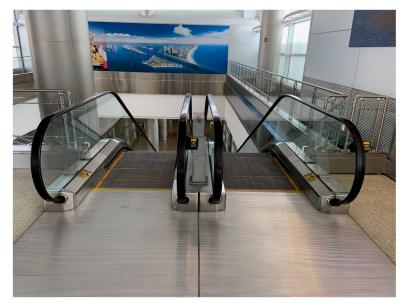




Terminal Restroom Renovation Program

- ADA compliant
- Total of 447 Terminal Restrooms
- Phase 1 Renovation of 192 Restrooms underway
- First 52 Restrooms Notices to Proceed (NTP) issued for construction
- Design selection for remaining 140 Restrooms in Fall of 2021
- Total of 128 single occupancy Restrooms to be designated Gender Neutral

CUSTOMER EXPERIENCE ENHANCEMENT INITIATIVE







Conveyance Modernization Program

- Total of 617 units
- Modernization of first 46 elevators underway
- Annual refurbishments in progress
- Completion by 2025

Parking Access and Revenue Control System

The new Parking Access and Revenue Control System (PARCS) will offer the following:

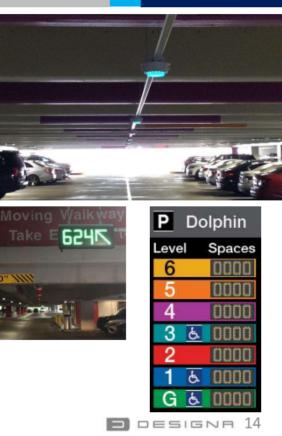
- 16 "Pay-On-Foot" Systems will be installed in centralized areas throughout the Dolphin and Flamingo parking garages. This should reduce congestion at the exit as the prepaid ticket is processed faster
- Ability to pay for parking by use of either credit cards, debit cards or mobile pay (Apple Pay, Samsung Pay and Google Wallet).
- All exit lanes will be equipped with Exit Terminals that will allow unattended payment allowing for more throughput regardless of staffing levels
- Intercoms at each device will allow parkers to contact a Customer Service Representative in the 24/7 staffed Parking Control Room to assist them with any issue





Parking Guidance System

- The Parking Guidance System installed in the Dolphin and Flamingo Garages will assist parkers to find an available space
- Camera sensors installed above the drive lanes equipped with LED lights will detect available spaces and light up the LED signs with different colors to illustrate available spaces
- LED Space available signs strategically placed at each decision point will direct parkers to lanes and levels where there are spaces, reducing dwell time for finding a space
- Six (6) strategically Monument signs with LED signs will reflect available spaces at each level allowing parkers to drive directly to levels with available spaces
- Camera sensors will read License Plates of parked vehicles allowing parkers to use the "Find your Car" feature in the POF stations. A map will be displayed after payment with a map illustrating where the vehicle is parked



MULTICATION NEXT

Expanding the Gateway of the Americas



Scan the QR code or visit www.iflyMIA.com to learn more about Miami International Airport's Capital Improvement Program



"Thank You!"

