

# Supply Chains are Broken

- 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

# Generational Supply Chain Shifts

- Inland Empire 1970's Before massive shift of manufacturing to China
- BY 1990 Ports of LA/LB become nations busiest
- 2000 West Coast Strike shifts significant volumes to East Coast Ports
- 2020 after NAFTA passage 60,000 trucks cross U.S./Mexico border daily

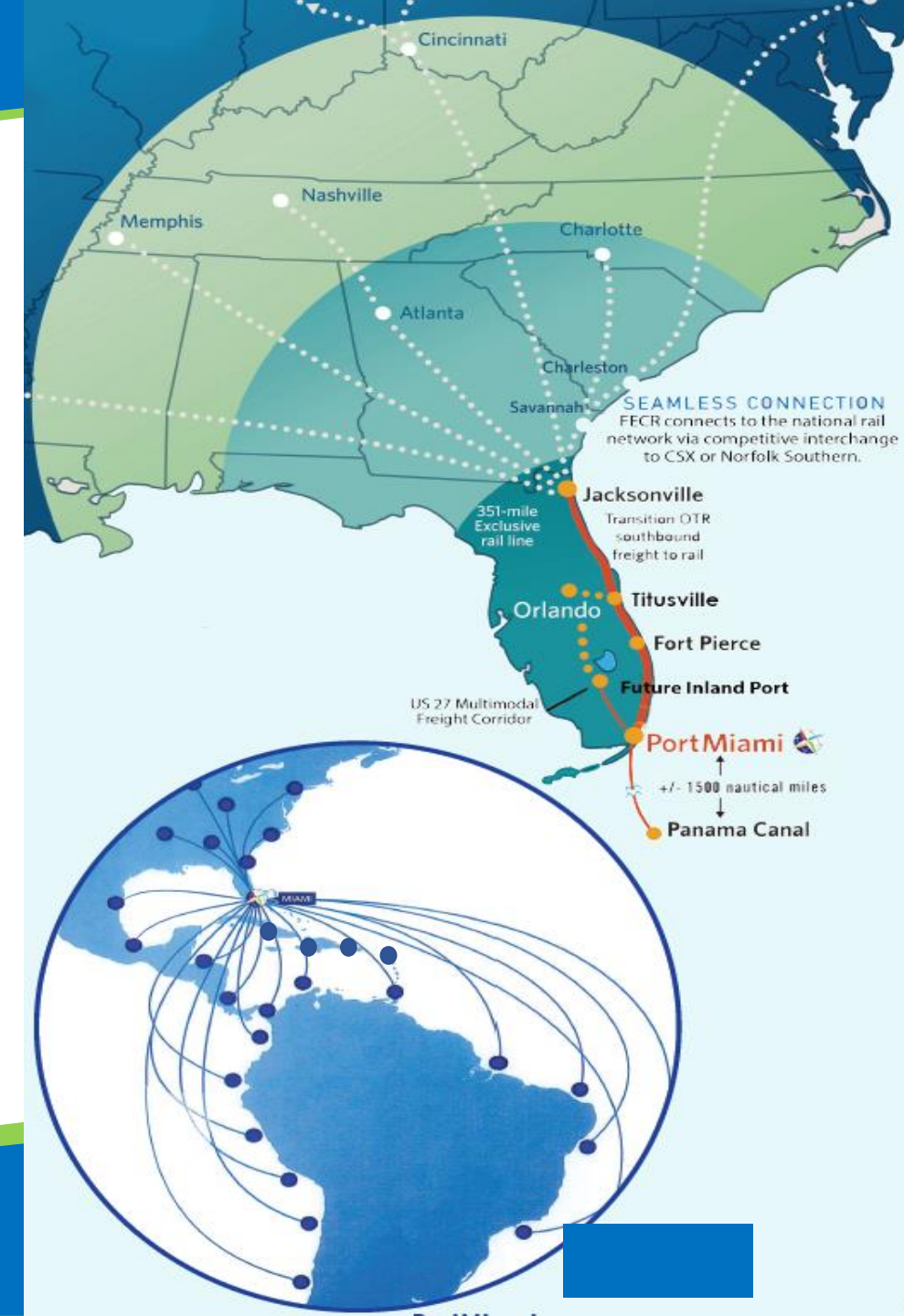


# Next Sea-Change for U.S. Supply Chains is Here

Major Market Drivers have been identified

1. Acceleration of nearshoring to Western Hemisphere
2. Drought in west shifting agricultural sourcing to Latin America
3. 1 in 16 US citizens (18 million) live between Miami/Orlando
4. Geo-political adversity with China and supply chain security
5. Truck congestion and costs at US/Mexico border
6. High freight rates for US/Asia Ocean shipment
7. Labor shortages
8. Fuel costs
9. Environmental and Social drivers
10. Product shortages
11. Lack of supply chain capacity for US Exports

Infrastructure Grants once in a generation opportunity







**PORTMIAMI**  
**netzero**

**Resiliency & Supply Chain  
Improvements**



**PORTMIAMI**







**PORTMIAMI**  
**netzero**

PortMiami is accelerating the development of its **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 to solve supply chain congestion, disruption and double-digit cost increases**

- With environmental justice (electrification of the supply chain)
- Social justice (in underserved areas and workforce training)
- A \$1.2 trillion package with **\$17.5 billion dedicated to ports**
- **PortMiami seeking \$400-\$500 million** in grant funding over 5 years
- Including the MEGA Grant Program

# Need



**PORTMIAMI**  
**netzero**

**Cargo Demand is growing at double digit rates**

- **CA, GA, VA, NY are congested with ships at anchor for weeks**
- **Central/South Florida population reaching 18 million residents**
  - **Plus serving the consumption of 120 million annual visitors**
- **Companies are nearshoring in reaction to China and Eastern Europe**
- **More fruits and vegetables will come from Latin America instead of S.W. U.S.**
- **More sustainable infrastructure needed**
- **Labor shortages require more efficient rail served supply chains**



# Overview On-Port Net Zero Infrastructure



## ON-PORT PROGRAM

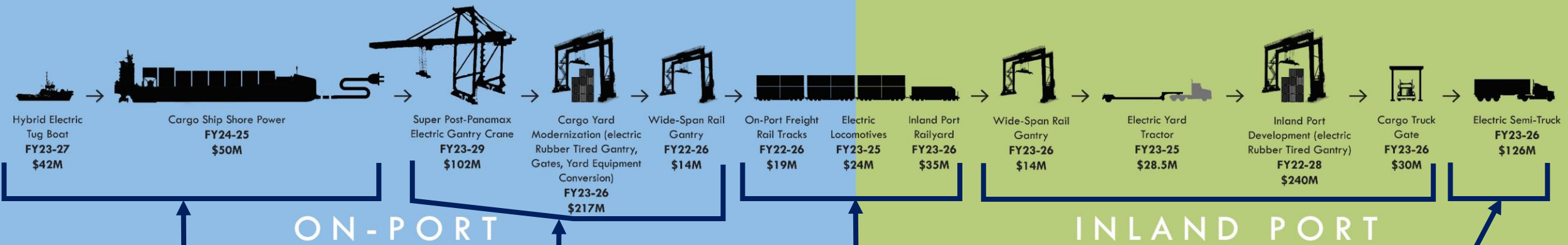
- 1 Electric Tug Boats
- 2 Shore Power
- 3 Super Post-Panamax Electric Gantry Cranes
- 4 Cargo Yard Modernization
  - ☐ Automated Truck Gates Project
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  - ☐ Electric Reefer Expansion
- 5 Railyard Capacity Upgrades
  - ☐ Railyard Expansion
  - ☐ Wide-Span Rail
- 6 Electric Locomotives
- 7 Co-Generation Facility and Other Renewable Energy Sources





## Bi-Directional (Inbound & Outbound)

### PORTMIAMI NET ZERO SUPPLY CHAIN PROGRAM



Cargo vessels assisted to berth by hybrid electric tugs and then plug into shore power

Cargo is transloaded by electric container handling equipment

Cargo is transported to Inland Port via electric locomotives in partnership with FEC

Electric container handling equipment and technology for innovative operations

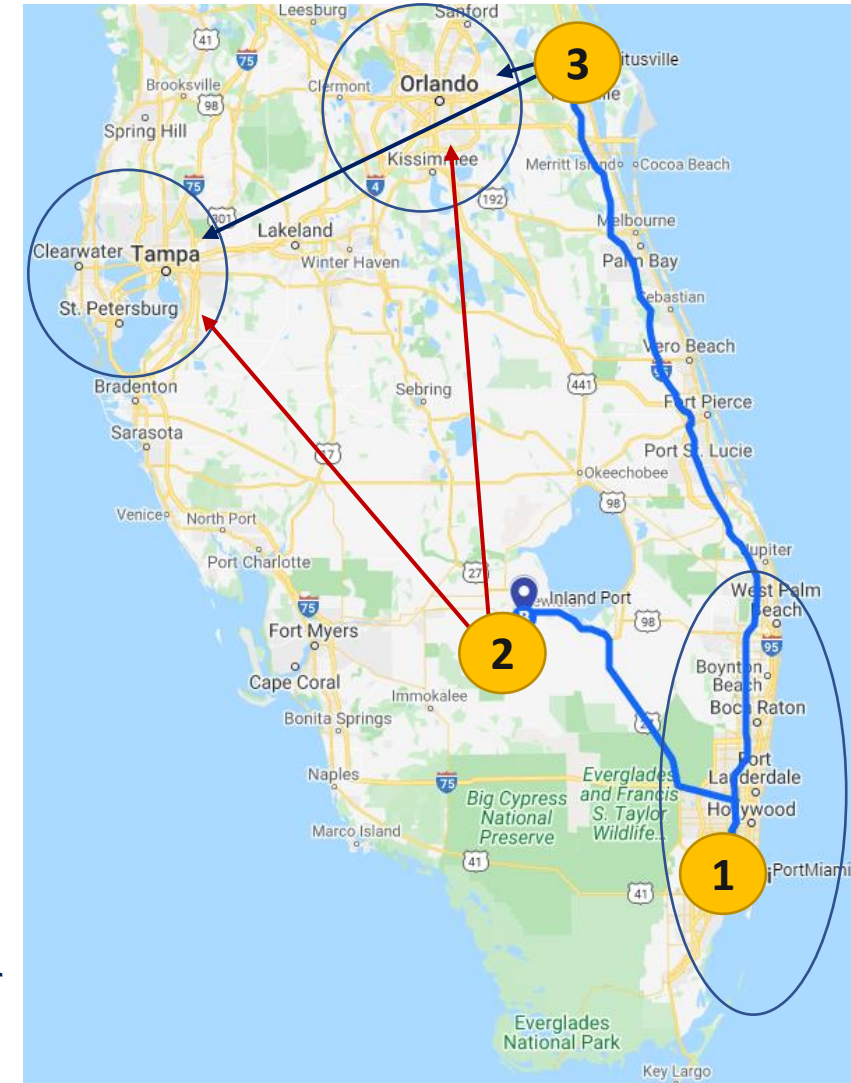
Final delivery to distribution centers on electric truck fleet

- Estimated Total Program Cost: \$700-800 million
- Costs shared among PortMiami, port partners, and federal/state grants.



# Inland Port & Export Consolidation Center

- An Inland Port will **significantly increase Miami-Dade County's regional economic competitiveness**, boosting cargo capacity and with expanded access to every major Florida market. (Orlando, Tampa, Ft. Meyers, Naples, Ft. Lauderdale, Palm Beach, Tampa)
- PortMiami evaluating Inland Port locations inside the County and a Regional location outside the County.
- An Inland Port provides at least a **50% increase in container volume capacity**, driving economic growth in Miami-Dade County and increasing the Port's regional reach.
- **Business partnership opportunities** with major online retailers, international firms, and more.



- 1 – Site within Miami-Dade County  
2 – Site between MDC and Orlando (e.g., Hendry County)  
3 – Site near Orlando/Tampa market (e.g., Titusville)



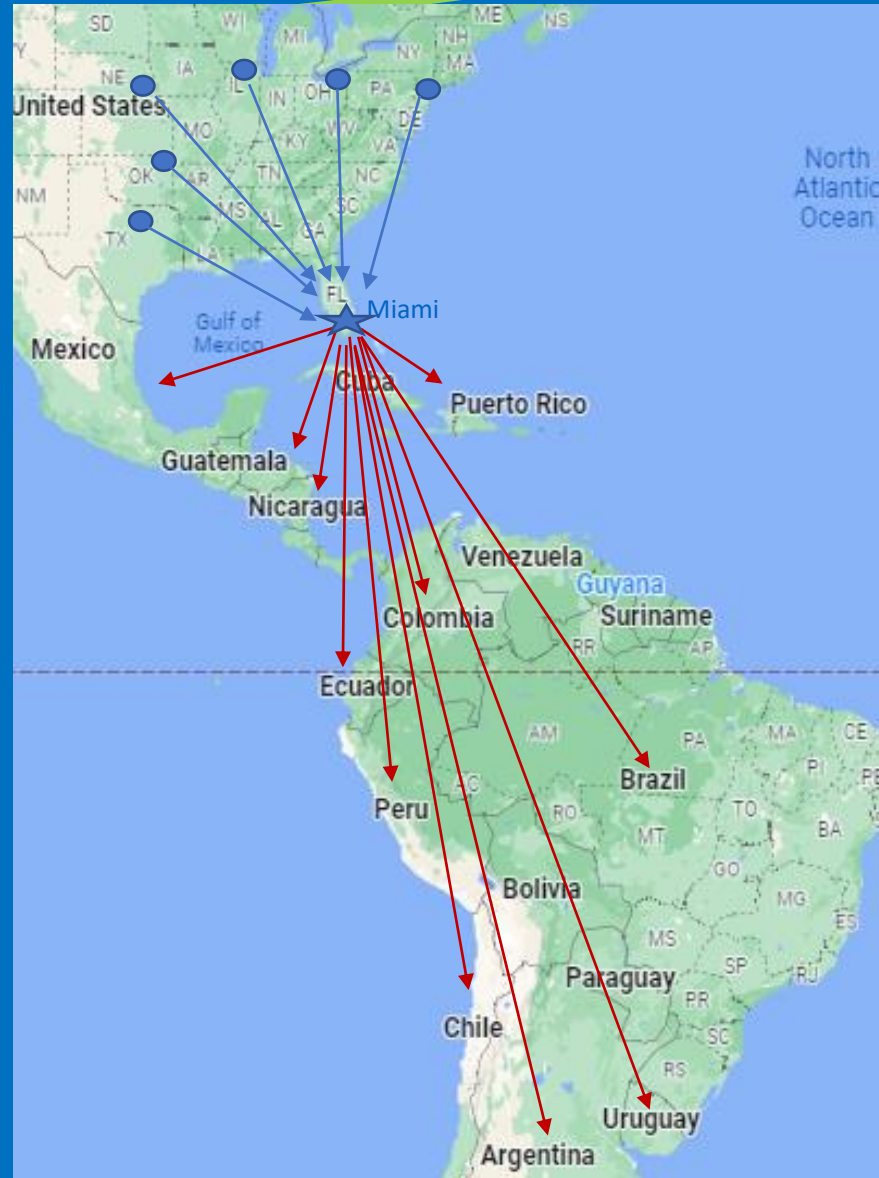
## Inland Port to Serve as an Export Consolidation Center

## Advantages to South Florida/Miami as the hub for American-made products shipped to Latin America and the Caribbean:

- Ideal Location for Export Consolidation
- Savings with larger vessels
- Expanded Services
- E-Commerce
- Near Shoring
- Security
- FTZ Warehouses

## Targeted US Exports

Beef/Poultry/Pork	Prepared Food & Dairy
Consolidated Cargo	Household Products
Machinery	Beverages
Cereal	Motor Vehicles



## American products bound for big box stores:



- 2,703 Walmart stores in Mexico
- 864 Walmart stores in Central America & 382 stores in South America



- 27 PriceSmart stores in Central America
- 13 PriceSmart stores in the Caribbean & 9 PriceSmart stores in South America



# Western Hemisphere Growth Opportunities



## PROJECTIONS

PortMiami handled 1,254,062 TEUs of containerized cargo in 2021. According to the Port's 2035 Master Plan, the demand for containerized cargo handling is projected to be between 1.8 million and 3.2 million TEUs in international trade by 2035.

## USDA GROWTH IN IMPORTS

The USDA estimates that food imports will likely continue to increase and that by 2027, 75 percent of fruit and almost half of US vegetables will likely be imported, and PortMiami being the closest port to the growing regions of Latin America and the Caribbean, with improvements, we will continue to serve and growth as the preferred perishables gateway into the US.

## NEARSHORING AND CONGRESS/DC AGENCIES

Regarding increases in nearshoring, it is important to note that Latin America and the Caribbean share a cultural affinity with Miami, have demonstrated cost-effectiveness in both labor and transportation, along with a growing talent pool that will continue to attract new manufacturing to the Western Hemisphere. Congress has made nearshoring, or friend shoring, a primary foreign policy objective, introducing legislation such as HR 7579, the Latin American Nearshoring Act that provides low interest financing for nearshoring to lessen the United States dependence on manufactured products from China. Following the lead of Congress and the Administration, the Inter-American Development has made nearshoring a priority in countries such as Colombia and Chile. In addition, the Association of Latin American Free Zones (AFZA) launched Relocate LATAM, a specialized platform for reshoring, nearshoring and offshoring and a 2020 Gartner survey found that a third of 260 leading global companies plan to move part of their manufacturing out of China by 2023, thus the shift is on modernization of PortMiami's infrastructure/logistics chair can help accelerate this win-win proposition of nearshoring.



# Far-Reaching Local, Regional and National Benefits

## PORTMIAMI NET ZERO SUPPLY CHAIN PROGRAM

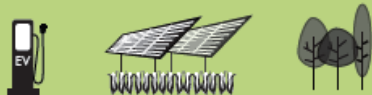
### ECONOMIC DEVELOPMENT



- Land set-aside for designated Distribution Centers
- Offices / Maintenance Facility

**FY23-29**  
**\$20M**

### RESILIENCY



- Electric Vehicle / Equipment Charging Station
- Solar Farm (Agrivoltaics)
- Cogen Facility
- Reducing Heat Island Effect through Tree Canopy
- Porous Materials
- Utilities
- LNG Direct Supply
- Drainage / Wetland

**FY23-29**  
**\$110M**

### EQUITY



- Workforce Training
- Labor Support
- Acquisition of Land in Underserved Areas

**Broadband**  
**FY23-29**  
**\$25M**

### TECHNOLOGY



- Port Yard Equipment
- Phytosanitary Treatment and Cold Chain Processing
- CBP at Inland Ports
- Federal Inspection Facility On-Port
- Crane Management Facility
- Drone Deployment
- Trouble Resolution

**FY23-29**  
**\$100M**

### TRANSPORTATION



- US-27 Improvements
- New Rail Corridor
- Inland Port Roadways

**FY23-29**  
**\$50M**

## ELEMENTS

**Economic Development**  
in partnership with national retailers, e-commerce firms and more

**Resiliency**  
Improvements to mitigate impacts of climate change, sea level rise, and environment

**Equity**  
Progressing underserved communities by investing in labor, work force training, apprenticeships

**Technology**  
improvements in cargo operations to increase efficiencies leading to increased capacity and safety

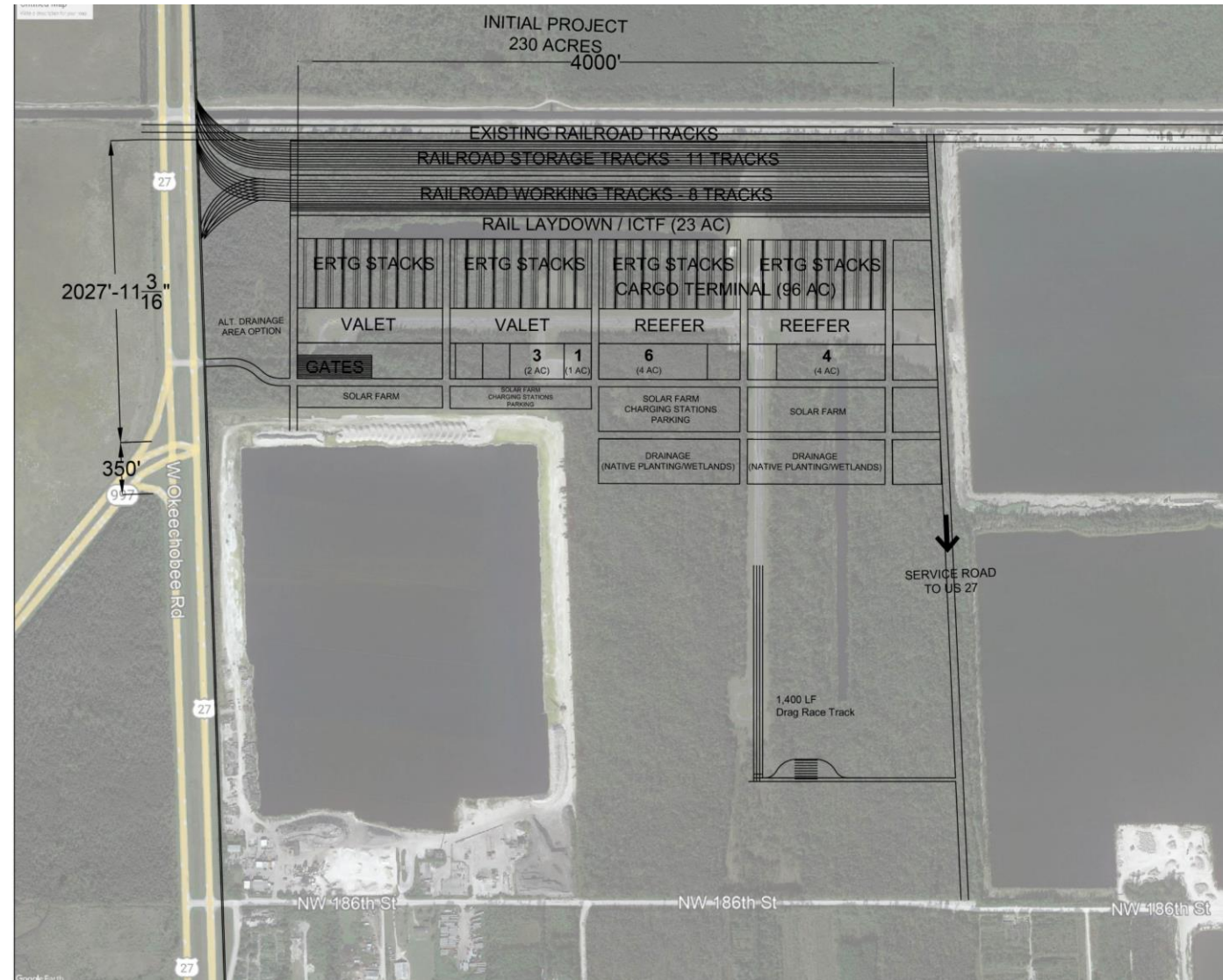
**Transportation**  
investment in highway and rail eliminating bottlenecks and improving goods movement



# Inland Location Concept Design

## Inland Port/Export Consolidation Concept

- 200 Acres
- 500,000 container capacity at full buildout
- Rail served (electric train shuttles)
- Solar farm
- Work force training center



# Partner Support

PortMiami has received support from key partners, stakeholders, and potential business partners, including:



PortMiami  
1015 North America Way, 2nd Floor  
Miami, Florida 33132

Norfolk, January 18<sup>th</sup>, 2022

Subject: Expression of Interest

To the attention of Mr. Eric Olafson, Director Global Trade & Business Development for PortMiami.

Dear Sir,

I make reference to our conference call dated January 13<sup>th</sup>, 2022 with Mr. Stanley Rigaud and Mr. Nimrod Simeon, during which we discussed the future development of an Inland Port with rail connectivity in



525 Washington Blvd, 16<sup>th</sup> Floor, Suite 1660, Jersey City, NJ 07310

STRICTLY PRIVATE & CONFIDENTIAL

February 22, 2022

Ms. Hydi Webb  
Interim Port Director, Port of Miami  
1015 N. America Way, Suite 200  
Miami, Florida 33132

**SUBJECT:** *Letter of Support for Port of Miami Grant Funding Applications.*

Dear Ms. Hydi Webb,

Ports America is pleased to provide this letter of support to the Port of Miami (the "Port") regarding 2022 grant funding application opportunities for investments in marine container terminal facilities, including upgrades to gate and rail infrastructure at the Port of Miami.



February 17, 2022

PortMiami

1015 N. America Way, 2<sup>nd</sup> Floor

Miami, FL 33132

Subject: Expression of Support

To the attention of Hydi Webb, Interim Port Director:

In reference to PortMiami's Green Initiative to reduce congestion and emissions, while increasing cargo throughput and jobs.



February 17, 2022

PortMiami  
1015 N. America Way, 2<sup>nd</sup> Floor  
Miami, FL 33132

Subject: Expression of Support

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In reference to PortMiami's Green Initiative to reduce congestion and emissions, while increasing cargo throughput and jobs.

- Cargo partners
  - CMA CGM
  - Ports America
  - Seaboard
- Existing and potential business partners
  - City Furniture
  - Port of Barranquilla, Colombia





# PortMiami Creating Green Partners in Trade



## INNOVATIVE SOLUTIONS

### ECONOMIC DEVELOPMENT



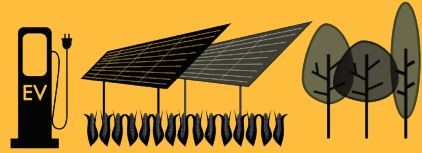
Increased cargo capacity, speed to market, competitive cost, business opportunities.

### EQUITY



New well-paying, green jobs.

### SUSTAINABILITY



Reduced emissions, electric vehicle and equipment charging, solar farm at inland port.

### TECHNOLOGY



Innovative technology to improve operations.

## EXPORT CONSOLIDATION CENTER

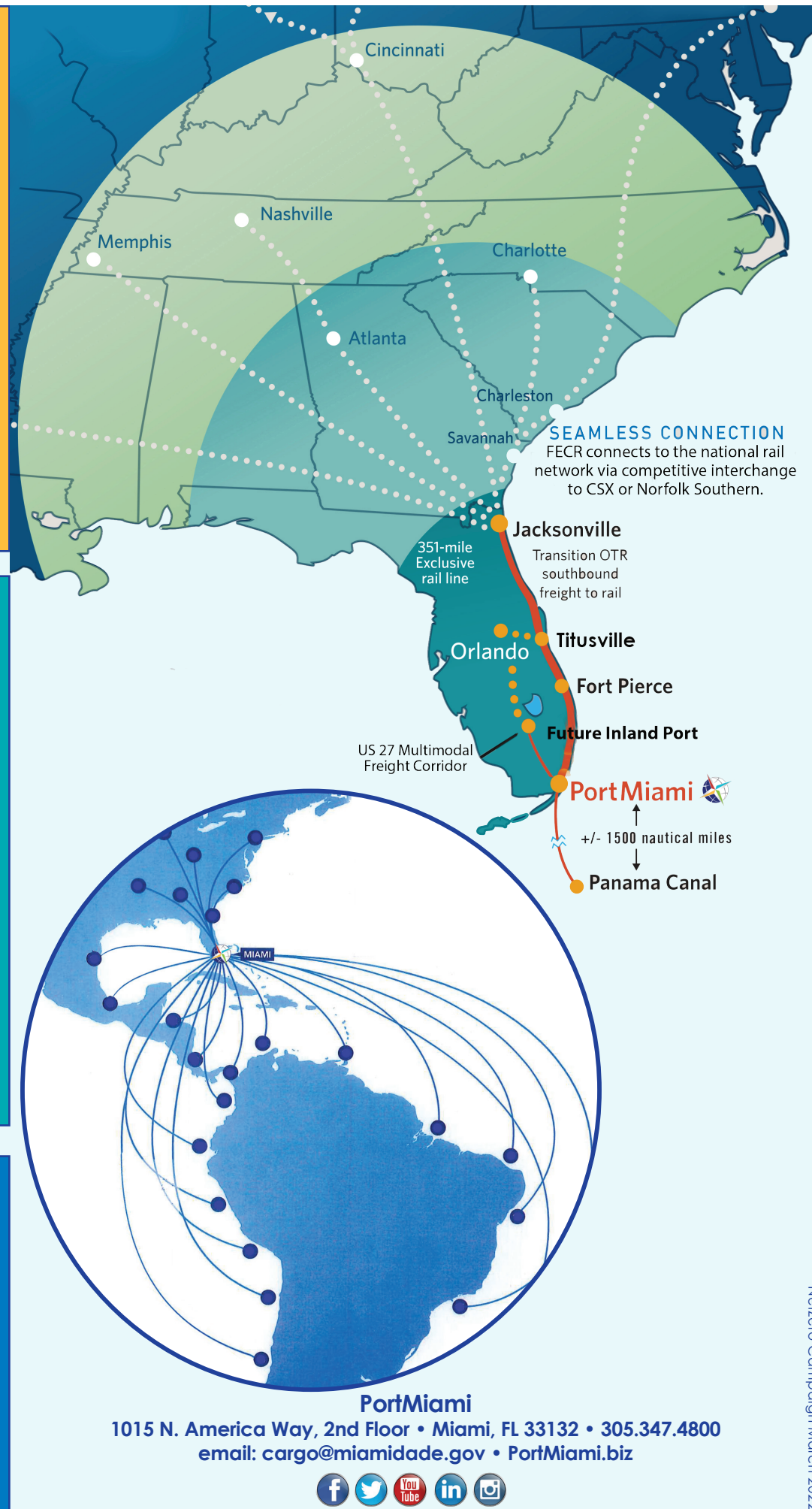
PortMiami as the hub for American-made products shipped to Latin America and the Caribbean:

- ❑ Ideal Location for Export Consolidation Point
- ❑ Opportunities for Nearshoring
- ❑ E-Commerce
- ❑ FTZ Warehouses
- ❑ Savings with Larger Vessels

## P3 LEVERAGE

Program has received financial support from:

- ❑ Existing cargo operators
- ❑ Shipping lines
- ❑ Interested potential business partners
- ❑ State grant funding



# PORTMIAMI netzero

The NetZero Cargo Supply Chain Program will transform PortMiami by developing the nation's first end-to-end net zero carbon emission cargo supply chain, delivering goods from ship to shore to distribution centers via electric intermodal transportation.

- ❑ Provision of **SHORE POWER** for vessels at port.
- ❑ Development of an **INLAND PORT** and **EXPORT CONSOLIDATION CENTER** to act as an intermodal distribution hub.
- ❑ Conversion to **ELECTRIC CARGO** handling equipment and transportation.
- ❑ Expansion of **RAIL INFRASTRUCTURE** and **OPERATIONS**.





# ON-PORT & INLAND PORT/EXPORT CONSOLIDATION CENTER PROGRAM



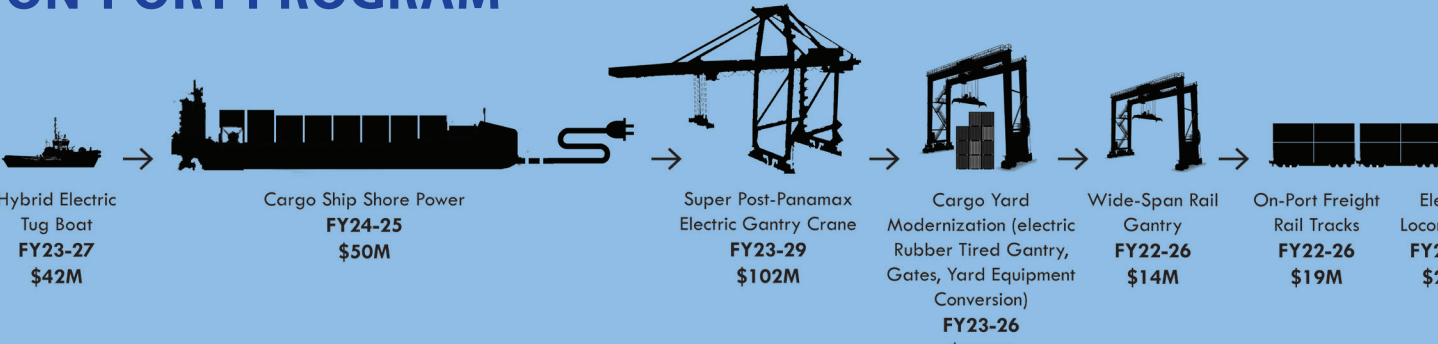
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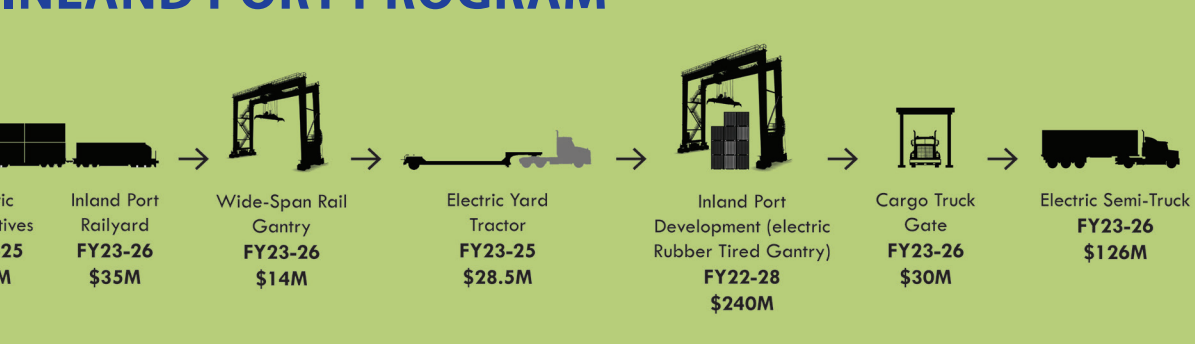
## INLAND PORT & EXPORT CONSOLIDATION CENTER

Development of a new inland port to increase cargo volume and capacity, boosting PortMiami's regional economic competitiveness and expanding access to Orlando and Tampa markets. An inland port would allow the Port to increase container volume in excess of 50%.

## ON-PORT PROGRAM



## INLAND PORT PROGRAM





# Collier County Food Policy Council

Southwest Florida Regional Planning Council

May 3<sup>rd</sup>, 2022, 9am

The Healthiest Cities and Counties Challenge is funded by the Aetna Foundation, an independent, charitable, philanthropic affiliate of CVS Health. The views presented here are those of the authors and do not necessarily reflect those of the American Public Health Association or the Aetna Foundation, its directors, officers, or staff.



# 2022 Food Policy Council Meeting Dates and Times

17<sup>th</sup> MAY 2022 10 am

7<sup>th</sup> JUNE 2022 9 am

21<sup>st</sup> JUNE 2022 10 am

Any learning priorities, technical assistance or topic requests that would be helpful to learn more about?

Please email: [aodeh@swfrpc.org](mailto:aodeh@swfrpc.org)



# Meeting Agenda



**Complete Journey  
Map Activity**



**Healthiest Cities and  
Counties Challenge  
(HCCC) Updates**



**Southwest Florida  
Regional Planning  
Council (SWRPC)  
Updates**



**Partner Organization  
Updates**



**Next steps and asks**

Action Items



# **Community Guidelines**

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We all belong here; we each have a role in tending this space

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Speak only for ourselves, make space for others to speak

---

Limit multi-tasking

---

Be aware of who is missing in each conversation

---

Remember that no one has a monopoly on truth, and everyone's experience is valid

---

Critique ideas and not people

---

Listen to our bodies and tend to their needs

---

Give some grace for technical and logistical difficulties

---

Aim for connection, not perfection

---

# Journey Map Activity



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**What is a journey map?** A journey map is a way to look back on the work you have done to remember the steps you took early on in your project. It helps you to remember the progress you have made along the way. It can also help you to look forward to the future of your work.

---

**Why make a journey map?** The HCCC community interviews will be discussions that both look back on your journey over the last two years and look forward to what steps come next to fix food access or health care access issues in your community. This activity will help you brainstorm what you want to talk about in the interviews. We may even share pictures of your journey maps on our final website!



# Southwest Florida Regional Planning Council

The Southwest Florida Regional Planning Council (SWFRPC or "Council") was created by an interlocal agreement between Charlotte, Collier, Glades, Hendry, Lee and Sarasota Counties in 1973.

Focus Areas:

- Regional Conveners
- Transportation
- Quality of Life
- Emergency Preparedness
- Economic Development





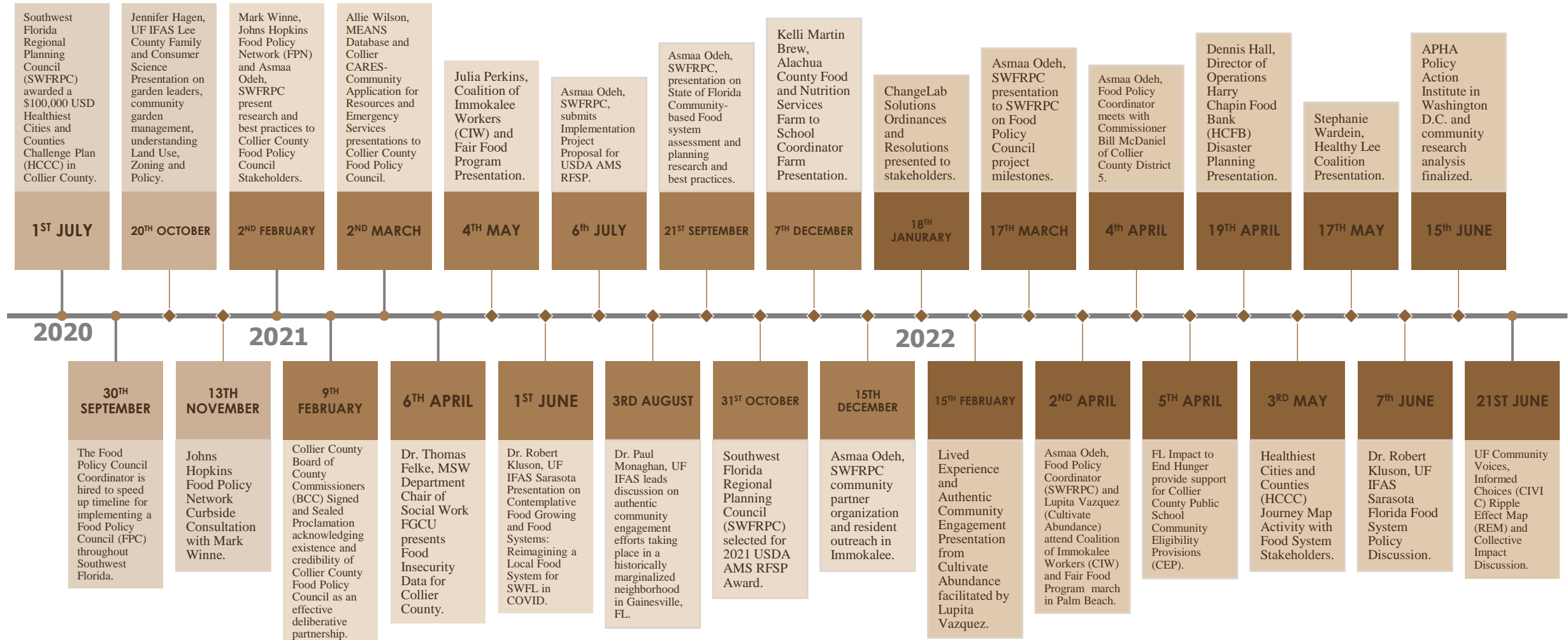
## Regional Map

Outreach and best practices presented from the following Florida Counties:

1. Alachua County
2. Pasco County
3. Hillsborough County
4. Pinellas County
5. Manatee County
6. Sarasota County
7. Martin County
8. St. Lucie County
9. Palm Beach County
10. Orange County
11. Dade County

# History Timeline Healthiest Cities and Counties Challenge Plan (HCCC)

## Southwest Florida Regional Planning Council (SWFRPC)





# Partner Organizations

## Cross-sector partnership

University of Florida Institute of Food and Agricultural Services (UF/IFAS) Cooperative Extension Service, including Southwest Florida Small Farmers Network	University of Florida Institute of Food and Agricultural Services (UF/IFAS) Family Nutrition Program (FNP), including USDA's Supplemental Nutrition Assistance Program (SNAP) Education	MEANS Database (Local emergency feeding services)	Misión Peniel	Florida Department of Health (DOH) in Collier County	Florida Department of Health (DOH) Lee County
Florida Department of Environmental Protection (FDEP)	Immokalee Community Redevelopment Agency (CRA)	Collier County Board of County Commissioners (BCC)	Coalition of Immokalee Workers (CIW) and Fair Food Program (FFP)	Collaboratory	Collier CARES- Community Application for Resources and Emergency Services
Collier County Business & Economic Development Division	Collier County Public Schools (CCPS)	Cultivate Abundance (Faith-based organization addressing food insecurity)	Feeding Florida (Harry Chapin, along with other small/local food pantries and food banks)	Florida Gulf Coast University (FGCU)	Blue Zones Project
	School District of Lee County	Healthy Lee Coalition	Wallace Center Food System Leadership Network (FSLN)	Johns Hopkins Food System Network (FSN)	

# Advocacy Strategies



Lobbying



Educating  
Legislators



Public  
Education



Community  
Organizing



Coalitions

# Florida Food System and Policy Engagement Topics

Demographics, Population	Population estimates, Housing, Education, Income and poverty, Employment
Food Access	Low income and low access, Food environments, Food insecurity, Local food directories, urban agriculture
Economic, Agriculture, Nutrition	Farm to School
Economic, Food access, Food Retail	SNAP retailers
Education, Nutrition Assistance	K12 Schools: Community Eligibility Program (CEP), Free and Reduced Meals, At-risk after school programs, summer food service sites
Infrastructure, Processing and Distribution	Food Safety, Food chain workers and other essential workers, Food production, Food procurement, Food Processing and Distribution, Food Recovery
Food Access, Hunger	Pantry and free meal sites, Emergency food provisions
Financing	Funding for food system needs



# Resource Flows

Collier County Food Policy Council utilizes Microsoft Teams for Members to stay connected and organized. The platform creates a shared workspace with all conversations, files, and meetings in one place to seamlessly collaborate with team members. This was led by the Food Policy Coordinator to securely store, access, share and collaborate on files. Over the past two years, this has greatly improved inter-agency communication, as there was no previous infrastructure in place for various local food system stakeholders to communicate. By enhancing communication and streamlining processes, team members can easily work together.

If you have any access questions or challenges, please contact:  
[aodeh@swfrpc.org](mailto:aodeh@swfrpc.org)



# Healthy Lee Coalition Presentation May 17<sup>th</sup>, 2022, 10am

Stephanie Wardein, Lee Health  
System Director of Community  
Affairs and Healthy Lee Executive  
Liaison



# Florida Food Policy Presentation and Discussion

**June 7<sup>th</sup>, 2022, at 9am**

Dr. Robert Kluson, Former UF/IFAS Extension  
Agent Sarasota County



# RIPPLE EFFECT MAPPING SESSION

**Florida Agricultural and  
Mechanical University (FAMU)  
and the University of Florida (UF)**

*Community Voices, Informed  
Choices (CIVIC)*

June 21<sup>st</sup>, 2022, at 10 am



# Collective Impact

1. During your time as a FPC member, tell me a story about a highpoint or achievement that you are most proud of?
2. As a result of your participation in the FPC, what new or deepened connections have you had with others (individuals, organizations, businesses)? What did these connections lead to?
3. What unexpected things have happened because of your involvement in the FPC (personal or program-related)?





# Next steps and asks

1. Advocate for organizational policy implementation and plan policy recommendation discussions for local food system stakeholders in preparation for Florida Food Policy Discussion with Dr. Robert Kluson on June 7<sup>th</sup>, 2022, at 9 am
2. Provide support for various food system stakeholder projects and initiatives
  - i. CDBG-MIT Food System Stakeholder List
3. Reflect on overall collective impact of Collier County FPC in preparation for Ripple Effect Mapping (REM) session on June 21<sup>st</sup>, 2022, at 10 am