





# Overview



**PORTMIAMI**  
netzero

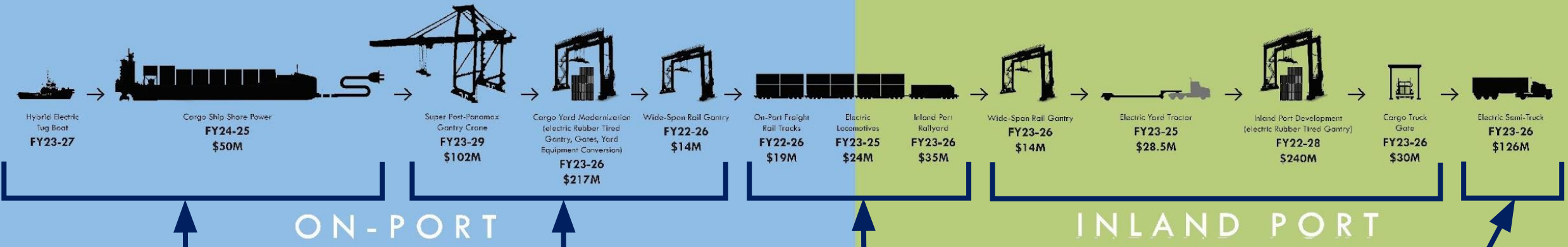
PortMiami has embarked on the development of a **visionary and transformational program to develop the nation's first end-to-end net zero carbon emission supply chain** in line with the County's 2030 50% emissions reduction goal, while also working towards the County's economic development goals.

The Infrastructure Investment and Jobs Act (IIJA) is an **unprecedented opportunity**

- A \$1.2 trillion package with **\$17.5 billion dedicated to ports**
- **PortMiami seeking \$400M** in grant funding over 5 years

# Supply Chain Process

## PORTMIAMI NET ZERO SUPPLY CHAIN PROGRAM



### ON-PORT

### INLAND PORT

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

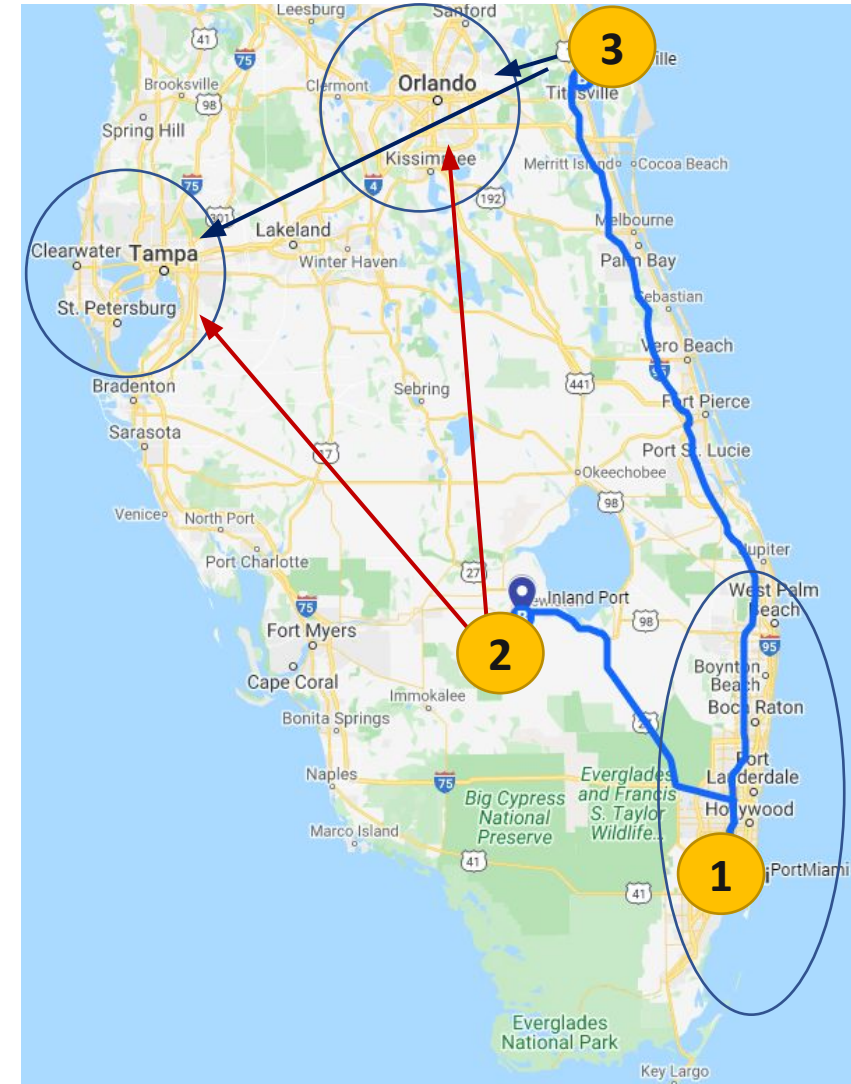
Final delivery to distribution centers on electric truck fleet

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



# Economic Competitiveness

- An Inland Port will **significantly increase PortMiami's regional economic competitiveness** by boosting cargo capacity and volume and expanding access to the vital Tampa and Orlando markets.
- PortMiami is exploring both a Local Inland Port inside of the County and a Regional Inland Port outside of the County.
- Regional Inland Port will allow a roughly **50% increase in container volume annually**, driving economic growth from 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)

# Additional Programs

## 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

**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

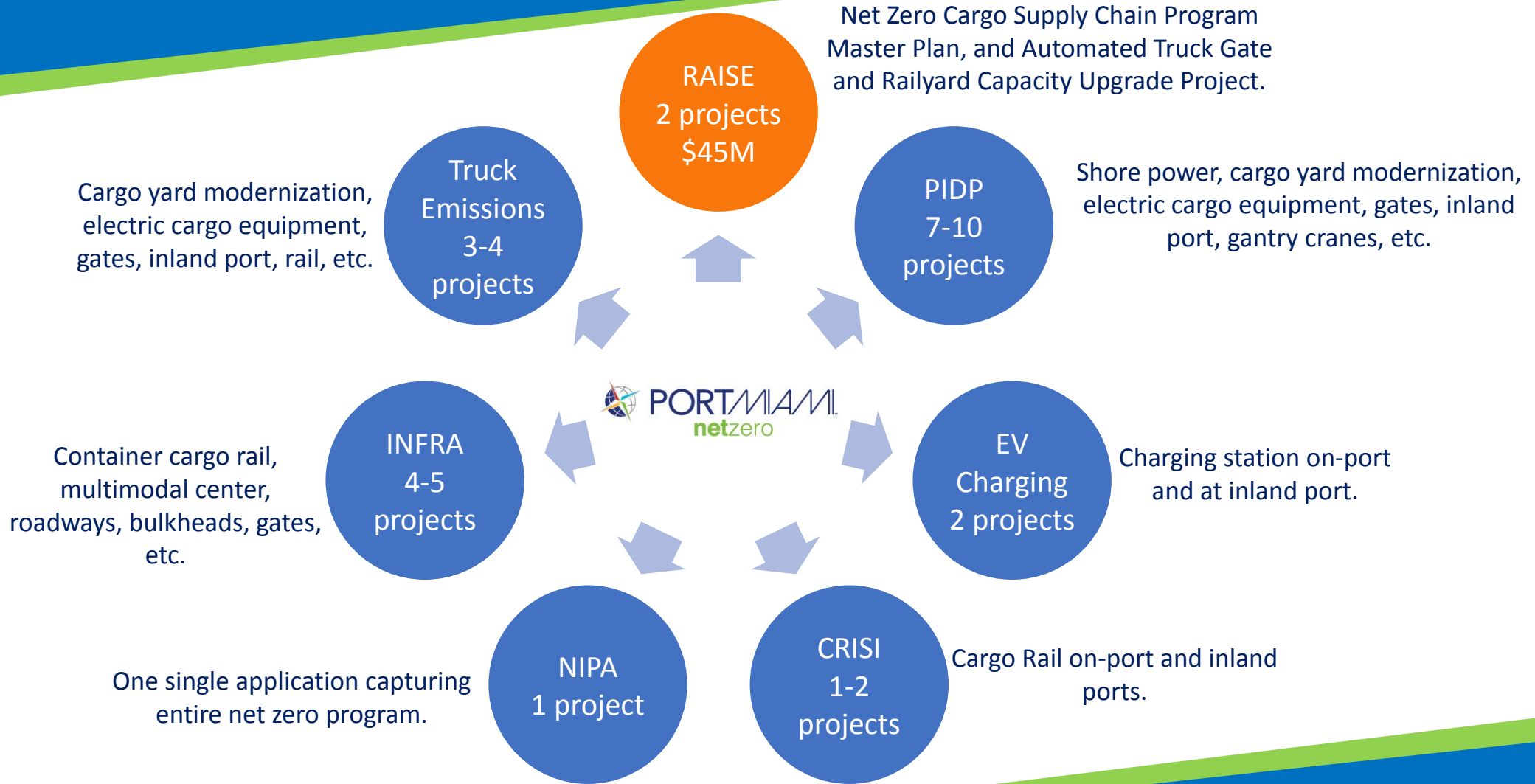
**Resiliency**  
Improvements to mitigate impacts of climate change, sea level rise, and environment

**Equity**  
Progressing underserved communities by investing in labor and opportunities

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

**Transportation**  
investment to highway and rail creating and improving connections

# Key Grant Opportunities



## FEC Rail at PortMiami

- Due to increased customer demand, FEC has added a 2<sup>nd</sup> daily train to service the port's customers demands for intermodal rail.
- Fiscal year 2022 to date (Oct. to Jul.), FEC has moved 31,969 containers at PortMiami. That was 5.1% more than the same period in FY2021.
- Average monthly volumes for FY2022 are up 5.1% when compared to the same period a year before and this trend is expected to continue.

