



Mobility and Clean  
Transportation, Chicago's  
Port

# The Illinois International Port District is ripe for development and decarbonization

In September 2022, IIPD and the Chicago Metropolitan Agency for Planning (CMAP) conducted a study to develop a port master plan with a vision through 2050 that identifies strategies to better **utilize existing facilities and position the port to realize its full economic potential, while providing workforce, community, recreational and environmental**

Figure 1. The Illinois International Port District (IIPD)

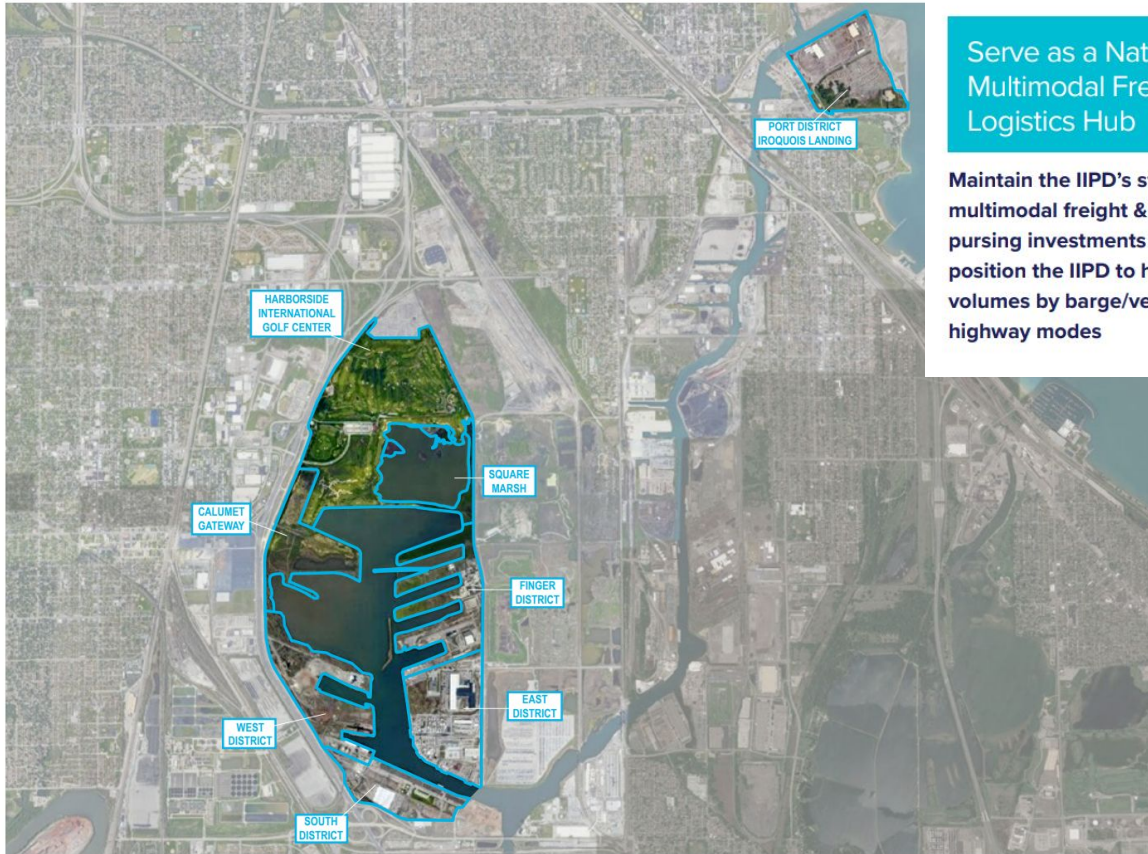
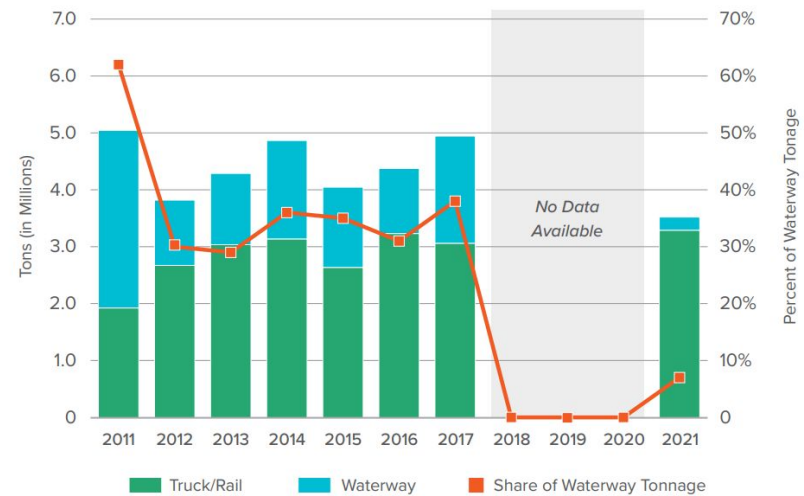


Figure 4. IIPD Master Plan Goals

<p><b>Serve as a National Multimodal Freight &amp; Logistics Hub</b></p> 	<p><b>Facilitate Economic Development</b></p> 	<p><b>Enhance Quality of Life and Community Benefits</b></p> 
<p>Maintain the IIPD's status as a national multimodal freight &amp; logistics hub by pursuing investments that will further position the IIPD to handle additional freight volumes by barge/vessel, rail, pipeline, and highway modes</p>	<p>Facilitate economic development in Southeast Side of Chicago by increasing industrial, commercial, and recreational land utilization at underutilized Port properties</p>	<p>Enhance quality of life of surrounding community by mitigating the negative impacts of freight and industry, and improving the community's ability to connect with each other and with nature in Calumet Gateway and Square Marsh</p>

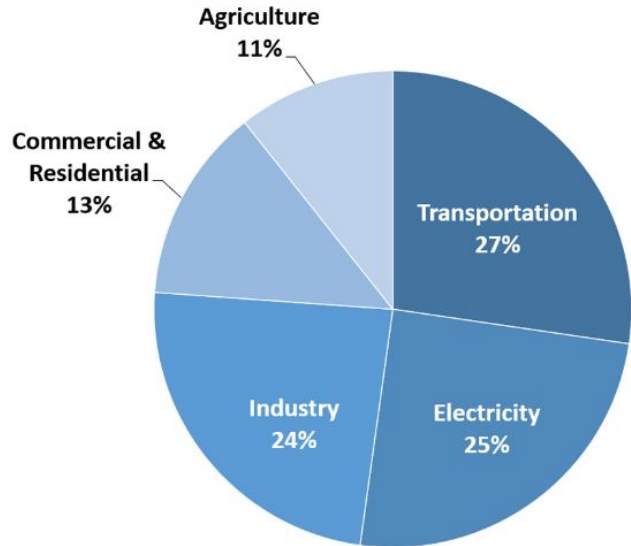
Figure 5. IIPD Freight Tonnage by Mode



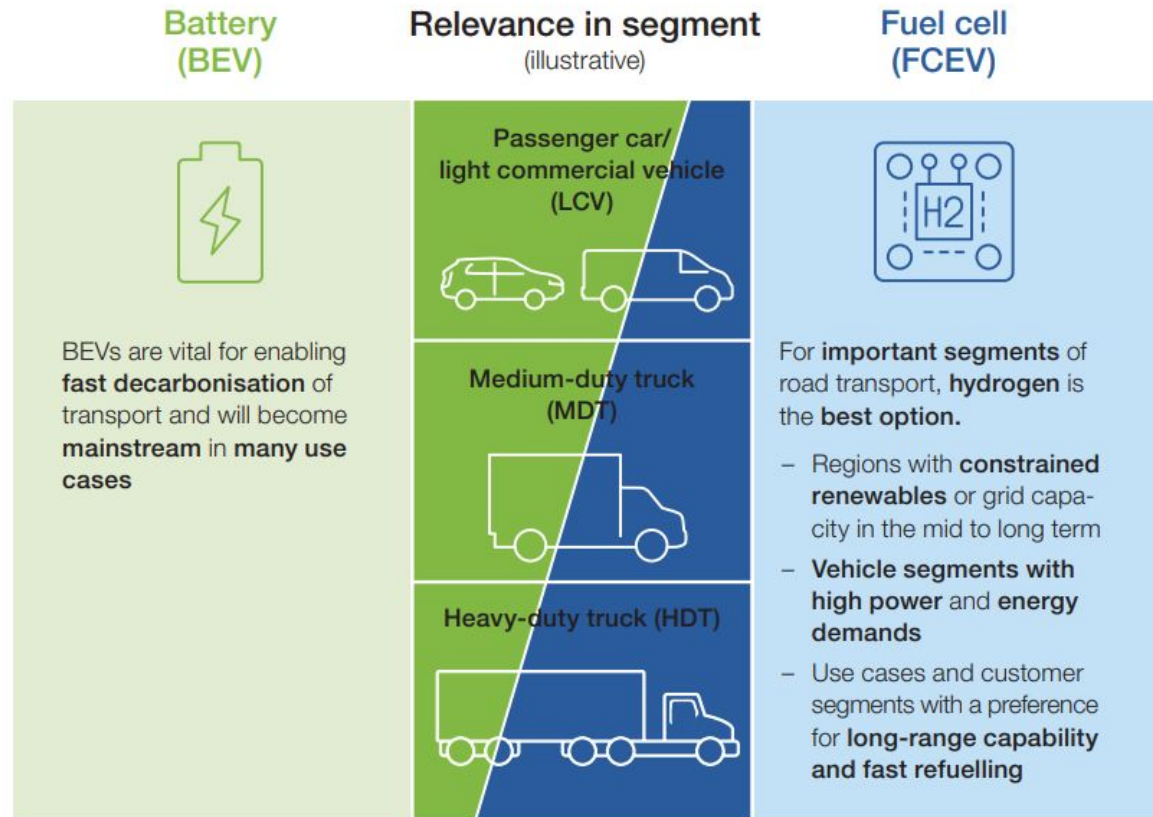
Source: IIPD, 2022. Note: Data on total tonnage moved at the IIPD between 2018-2020 is not available due to limited data collection and record-keeping capabilities during this period.

# Clean hydrogen can play a key role in decarbonizing heavy duty transportation and transforming the port

Total U.S. Greenhouse Gas Emissions by Economic Sector in 2020



Total Emissions in 2020 = 5,981 [Million Metric Tons of CO2 equivalent](#). Percentages may not add up to 100% due to independent rounding.



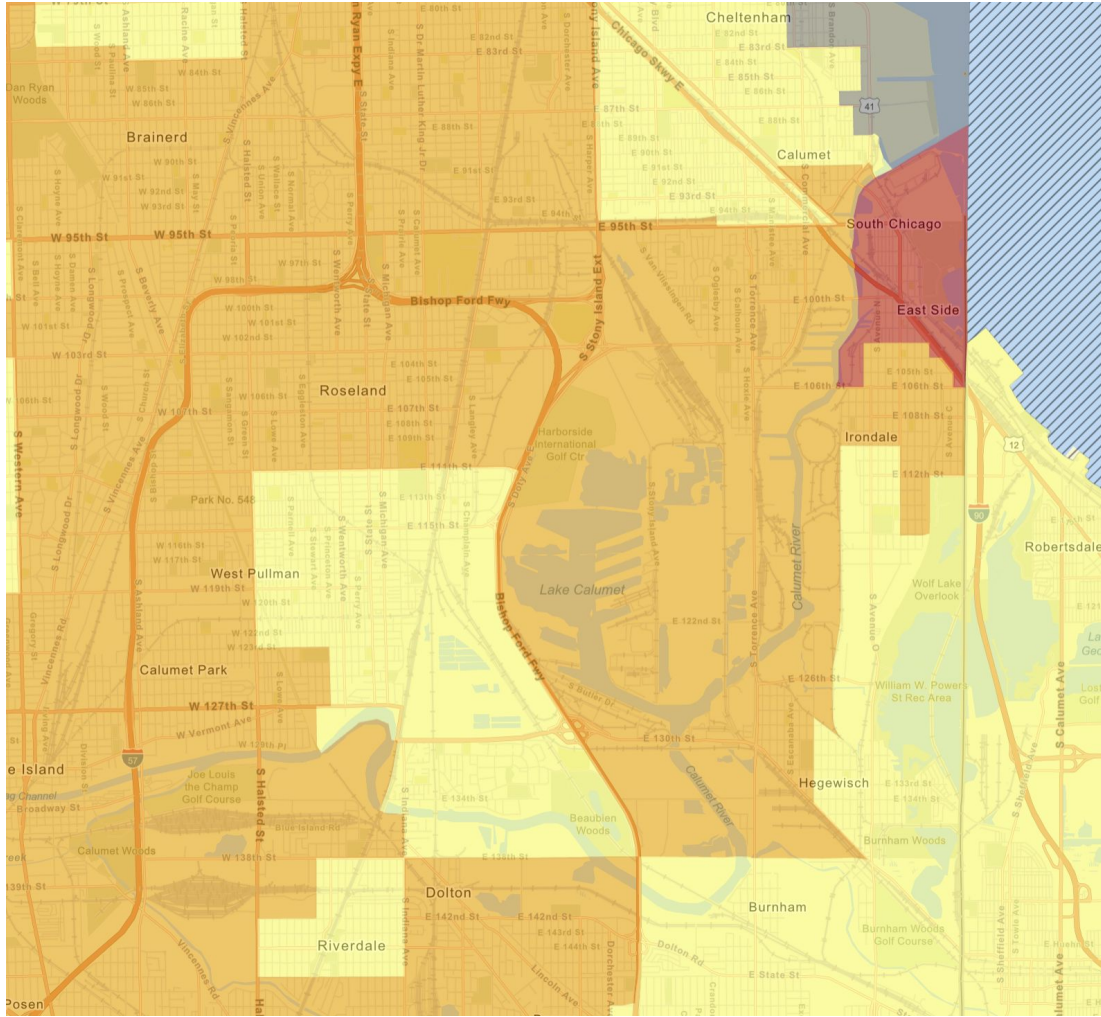
Source: Energy Information Administration, US Energy Related Carbon Dioxide Emissions, 2017; US EPA [Sources of Greenhouse Gas Emissions | US EPA](#); Hydrogen Council [Transport-Study-Full-Report-Hydrogen-Council-1.pdf \(hydrogencouncil.com\)](#)

# The EPA Clean Ports Program offers substantial funding

- **The Inflation Reduction Act provided EPA with \$3 Billion for the Clean Ports Program.**
- **The NOFO is expected in January 2024.**
- **Funding is available for:**
  - Purchase and install of zero emission port equipment and technology
  - Planning and permitting in connection with the purchase or installation of zero emissions port equipment or technology
  - Development of climate action plans (*in process for IIPD*)
- **IIPD clean development opportunities for funding include:**
  - Need for upgraded electrical infrastructure to support increased electrical demand for hydrogen or otherwise
  - Hydrogen storage, fueling station and backup power
  - *The port has already secured funding for a climate plan*
- **Key Partners:**
  - Local community stakeholders
  - Tenant engagement to support commercial business case for storage and fueling
  - Hydrogen hub partner engagement to support delivery of hydrogen

# Port development will revitalize the community, reducing emissions of freight transport will have substantial health benefits

Diesel Particulate Matter



Low Income / Asthma and Low Life Expectancy



\* EPA Environmental Justice Screen,

Regarding Mobility and Clean Transportation, to achieve Greater Chicago's Carbon and Equity goals, a critical obstacle to collectively overcome in 12 months is **to support the development of the grant application and letters of support for the IIPD to secure government funding to decarbonize port transportation and revitalize the local community.**