WELCOME TO WORKING PORT IDEA EXCHANGE









TOM GLYNN

Chief Executive Officer

Massachusetts Port Authority



CAROLYN A. KIRK

Deputy Secretary

Executive Office of Housing and

Economic Development for the

Commonwealth of Massachusetts



BRUCE CARLISLE

Director

Massachusetts Office of Coastal

Zone Management

Massachusetts Port and Harbor Planning Program

Working Port Symposium January 24, 2018





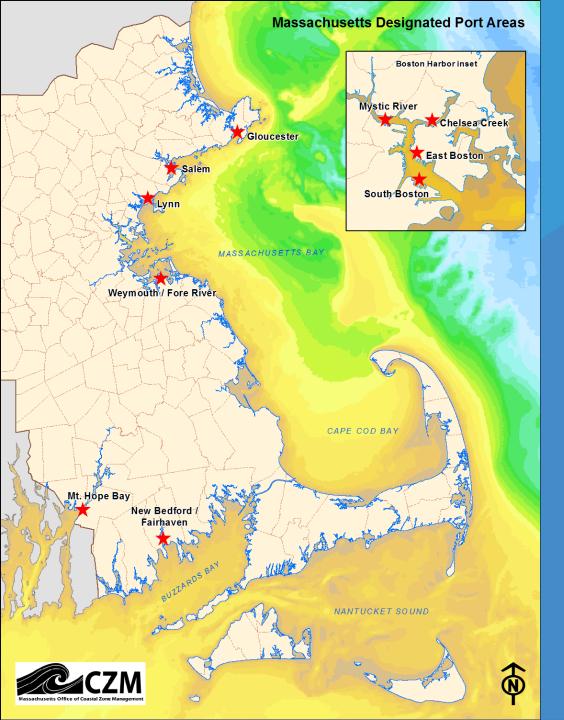
Port and Harbor Planning Program

Work with municipalities, agencies and stakeholders to:

- Balance development and growth of waterfront areas while protecting and promoting public interest
- Protect Designated Port Areas (DPA) as geographic areas of particular state, regional, and national significance for waterdependent industrial uses

DPA Regulatory Background

- 1978 Formal establishment of Massachusetts
 Coastal Management Program
 - Policies to protect marine dependent industrial uses
 - DPAs are finite resources
 - Consistent with National statutory goals
- 1979 Waterways Regulations include DPA provisions protecting water-dependent industrial uses for waterways
- 1984 Legislature expanded Chapter 91 licensing authority (including DPA rules) to filled tidelands
- 1994 Regulations codifying procedure and criteria for establishing and modifying DPA boundaries

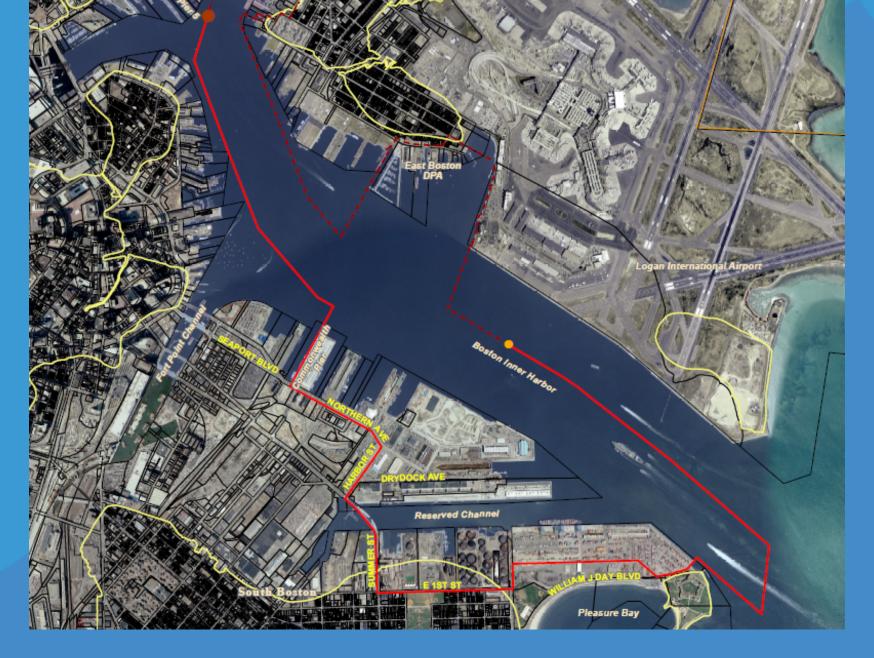


- Gloucester Inner Harbor
- Salem Harbor
- Lynn
- Mystic River
- Chelsea Creek
- East Boston
- South Boston
- Weymouth Fore River
- New Bedford-Fairhaven
- Mount Hope Bay



Boston Harbor DPAs

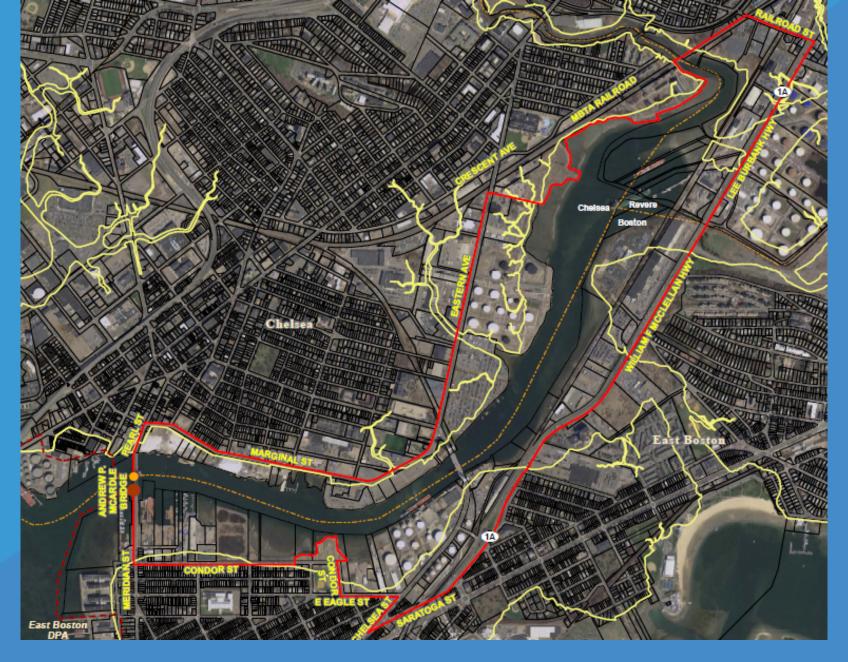
- Working waterfront is major economic driver:
 - \$4.6 billion annual impact
 - 50,000 total jobs
- Water-dependent industrial uses include:
 - marine terminals
 - bulk shipping
 - commercial passenger vessel operations
 - boatyards, dry docks, and port operations
 - commercial fishing and processing ...
- Four DPA areas comprise the Boston Inner Harbor DPA



South Boston DPA



East Boston DPA



Chelsea Creek DPA



Mystic River DPA

Waterways Program

- Administered by MassDEP, the Public Waterfront Act (MGL Chapter 91) is the public trust statute and protects the public's rights in waterways and filled tidelands
- C. 91 regulations promote the preservation of tidelands for water-dependent uses and provide for public use and enjoyment when privately developed
- Projects seeking license must ensure that they:
 - do not unreasonably interfere with navigation,
 - provide a proper public purpose,
 - do not interfere with public rights or rights of adjacent property owners,
 - will not adversely affect natural resources, and
 - preserve DPAs for maritime industrial use

Port and Harbor Planning

- Municipal Harbor Plans
 - Establish a community's objectives, standards, and policies for public and private use of tidelands under Public Waterfront Act (Chapter 91)
 - Plans may include alternative siting and design criteria for projects or amplify certain c. 91 provisions
- DPA Master Plans
 - Identify measures to preserve and enhance capacity to accommodate water-dependent industrial use
 - Municipality may request flexibility for certain use standards but must balance that flexibility with elements that ensure that DPA interests are still protected

DPA Boundary Reviews

- CZM regulations containing procedure and criteria for establishing and modifying the boundaries of DPAs
- Reviews may be initiated by:
 - CZM
 - Request of municipality
 - State or regional agency with authority over proposed area
 - Owner of proposed area
 - Any ten citizens of the Commonwealth
- Process includes public hearings, comments, meetings and consultations, review of available plans, permits, and licenses
- Two step process: eligibility and application of criteria
- CZM looks at groups of parcels that form coherent planning units rather individual parcels or project sites

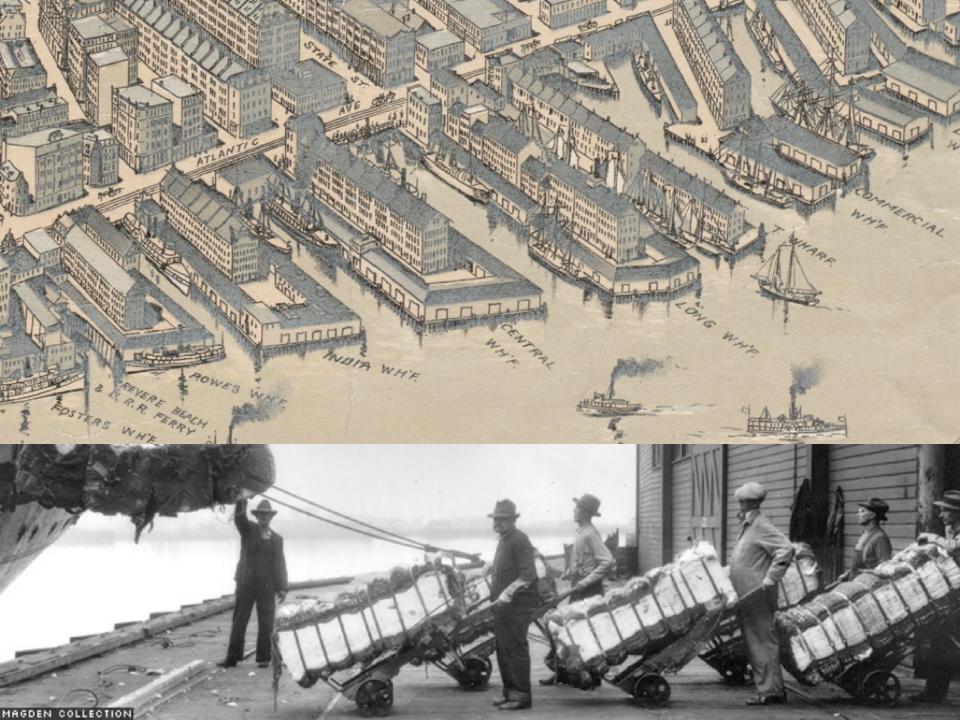
www.mass.gov/port-and-harbor-planning-program





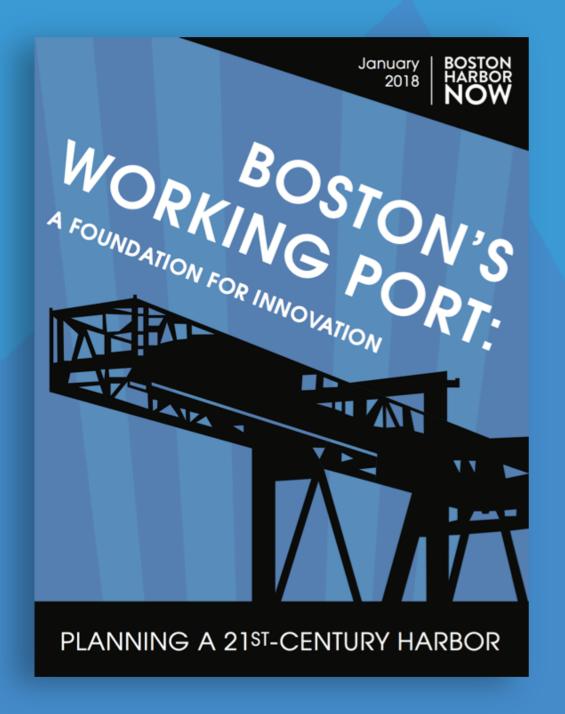
KATHY ABBOTT

President & CEO **Boston Harbor Now**





Through conversations with expert stakeholders, we are convinced that viable public policy and collaborative investment opportunities exist to increase innovation and profitability in Boston's maritime industrial waterfront.







CHANGE

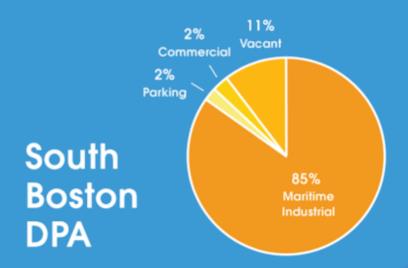


SYNERGY

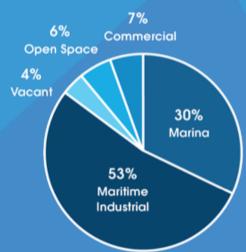








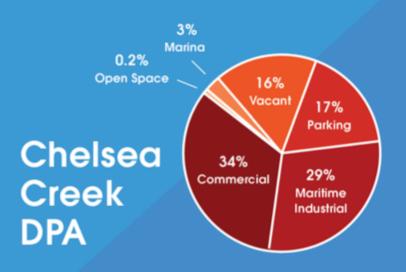


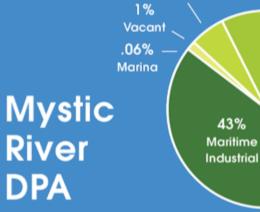


8%

42%

Industrial





6%

Commercial Parking





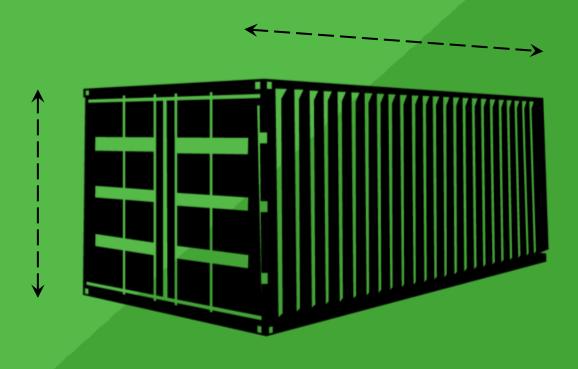






JAMIE FAY

Founder & President Fort Point Associates

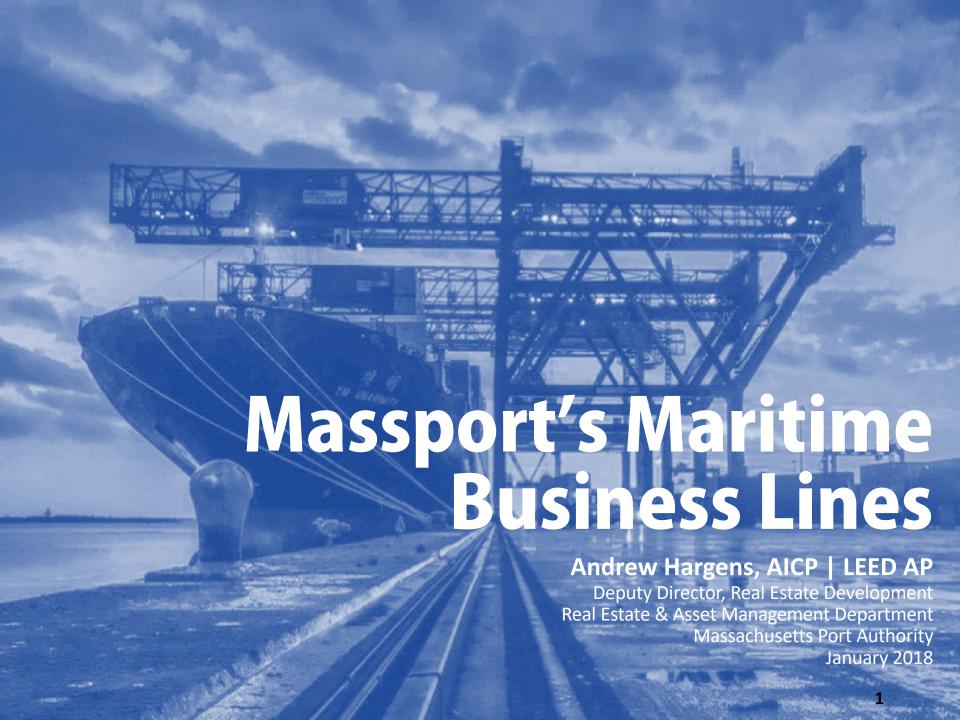


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ANDREW HARGENS

Deputy Director
Real Estate Development
Massachusetts Port Authority



The Port of Boston: A Major Contributor to the Regional Economy

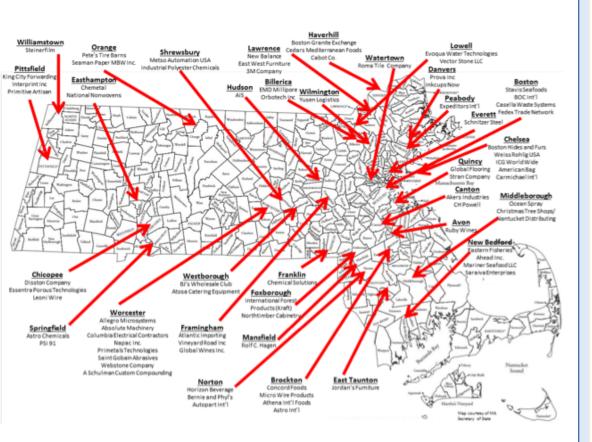
- \$4.6B economic impact
- 50,000 total jobs (7,000 direct jobs)
- Federal tax revenues of \$203M
- State & local tax revenues of \$136M
- 1,600 NE businesses use the port

The Port Compared to Boston's Largest Employers

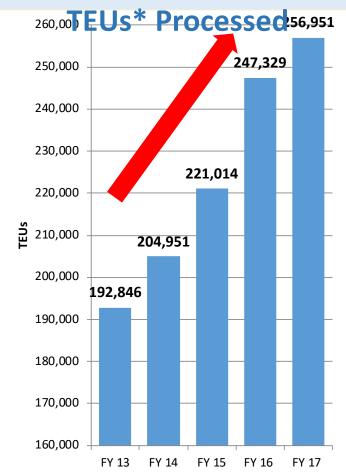
Entity	Employees	
Mass. General	14,752	
Brigham&Women's	11,229	
Boston University	9,783	
Children's Hospital	7,903	
State Street	7,800	
Port of Boston	7,091	
Beth Israel	6,695	
Fidelity	5,500	
Harvard Graduate Schools	5,132	
Northeastern	4,484	



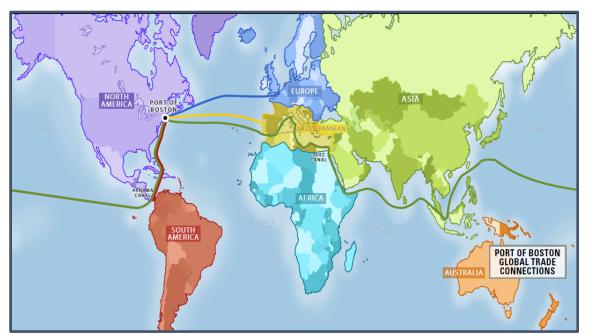
Conley Terminal Keeps MA Businesses Competitive

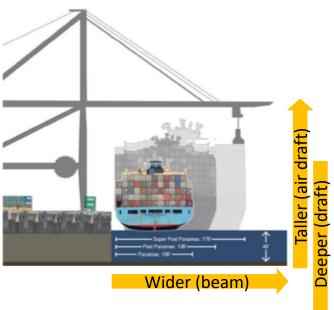


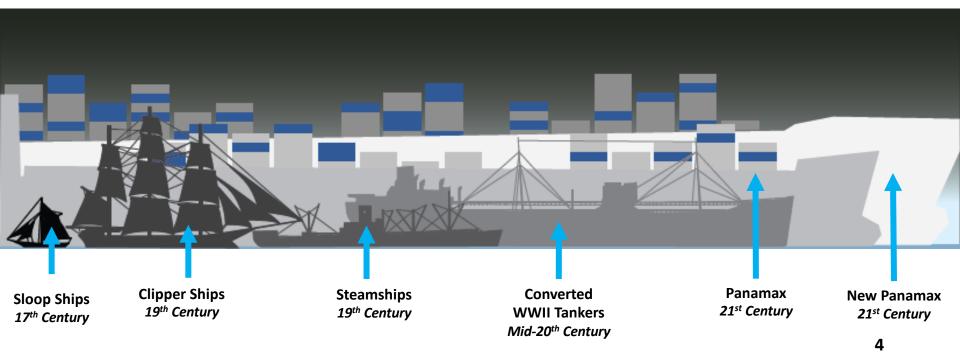
2017 Marked Conley's 3rd Straight Record-Setting Year for the Volume of



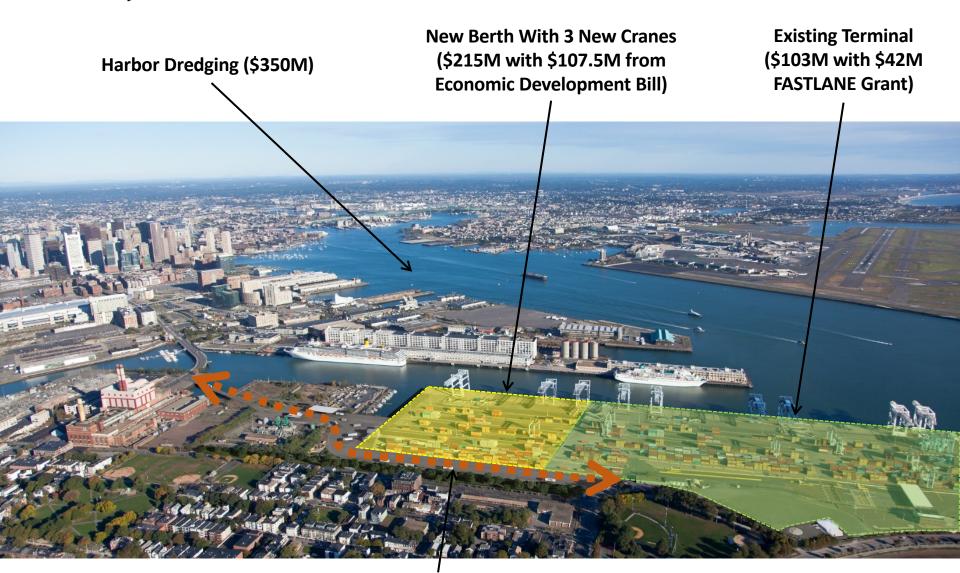
^{*}TEUs or twenty-foot equivalent units are the shipping industry standard for measuring container volumes.





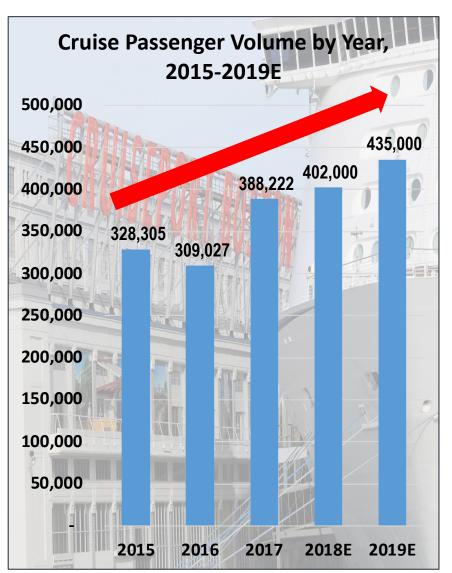


Conley Terminal Revitalization and Modernization

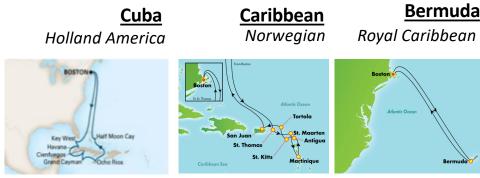


Butler Dedicated Freight Corridor and Buffer Park (\$75M) Opened in fall 2017

CRUISE ship call bookings predict recordbreaking volumes ahead



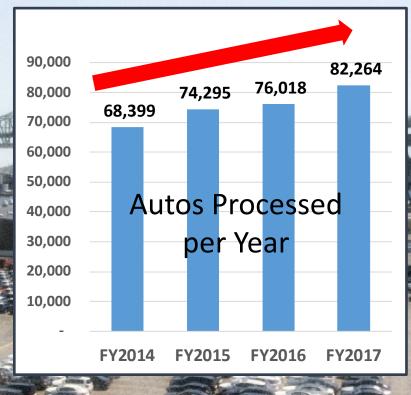
New Itineraries in 2018 Season





Growth and Investment at Boston Autoport

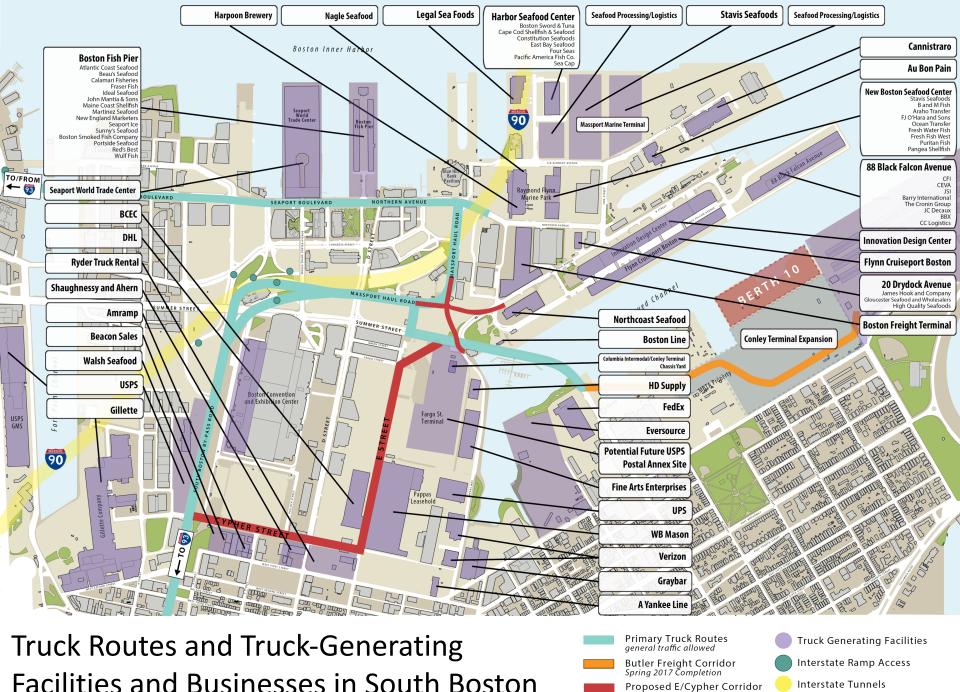
- More than 80,000 autos processed in 2017
- Nearly 250,000 metric tons of salt imported
- Supports 10 different maritime industrial businesses
- 500 employees
- Significant investment by tenant in infrastructure and facilities



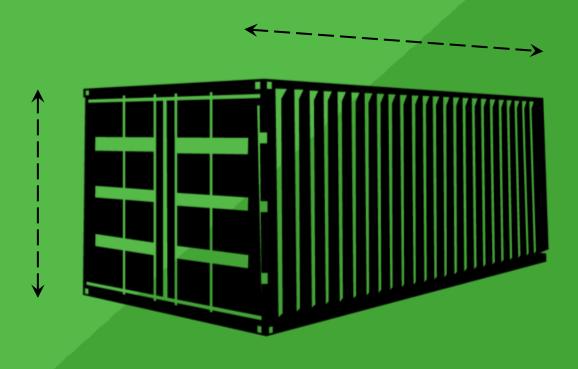


A thriving and growing seafood industry cluster exists in South Boston





Facilities and Businesses in South Boston



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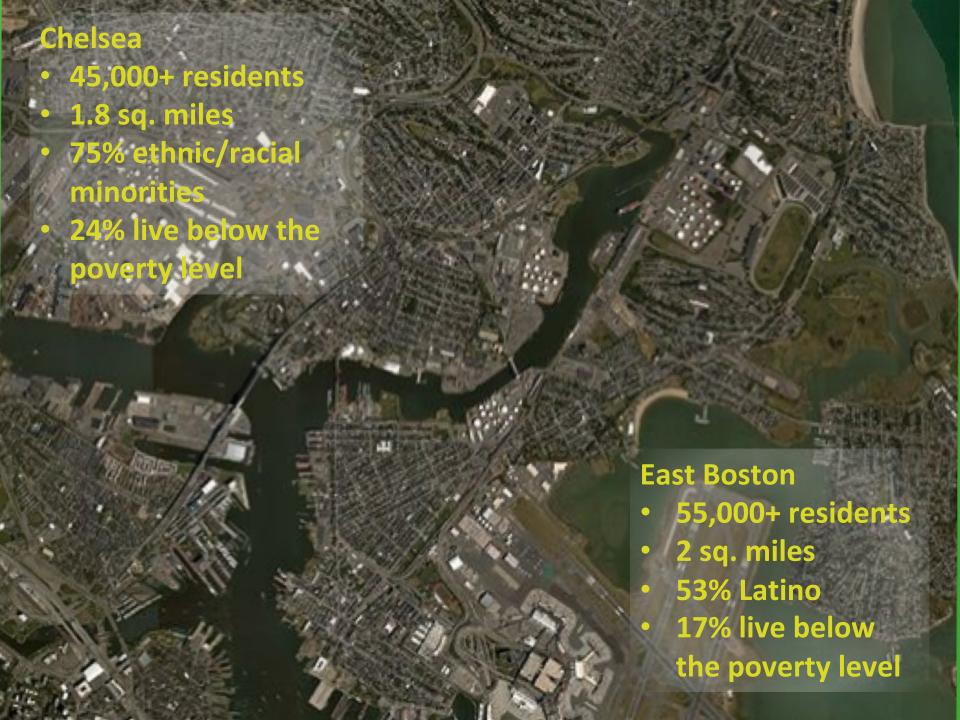


ROSEANN BONGIOVANNI

Executive Director **GreenRoots**







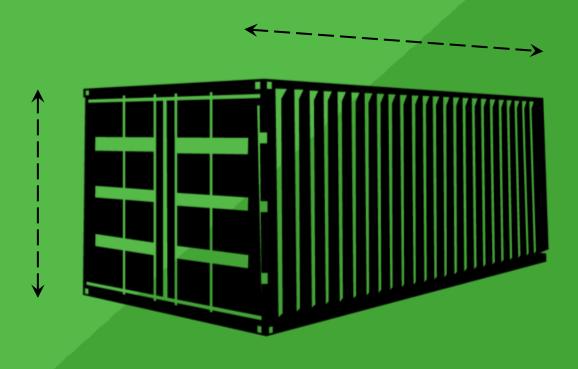












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JAKE CITRIN Chief Executive Officer Cargo Ventures



Thou Shall Not Allow:

- -Uses except for compatible public access and certain industrial, commercial and transportation activities on an interim basis.
- -Supporting Uses to exceed 25% of the total DPA area.
- -Residential units, hotels and motels.

AJESPAPEPL

-Recreational boating facilities and large sport/amusement complexes.

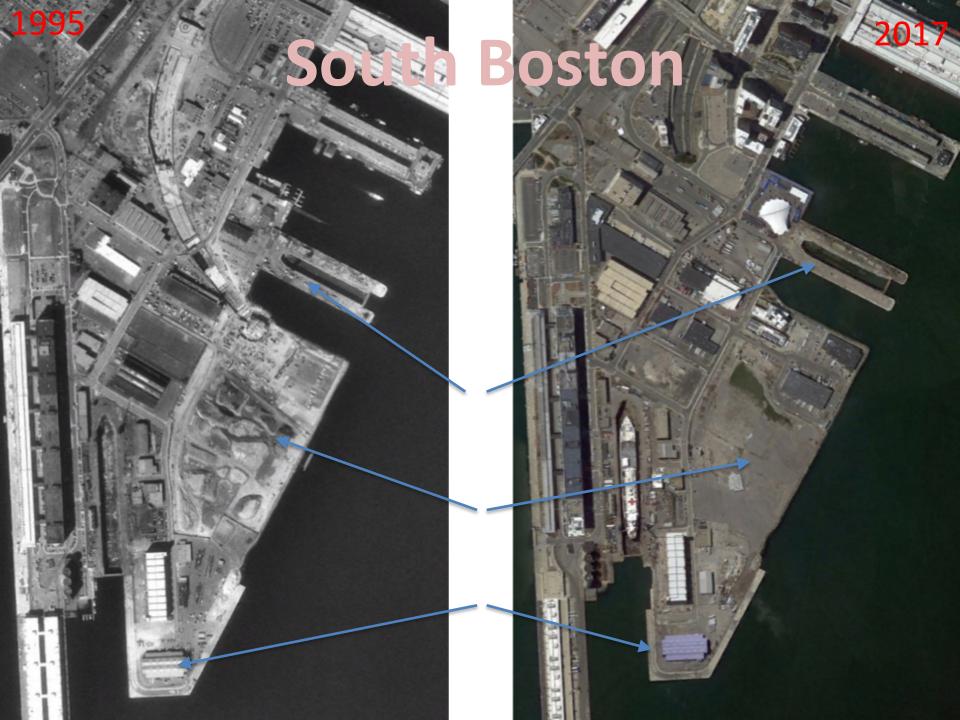
Average Price per foot of FAR (floor area ratio):



-Multi-Family: \$140+

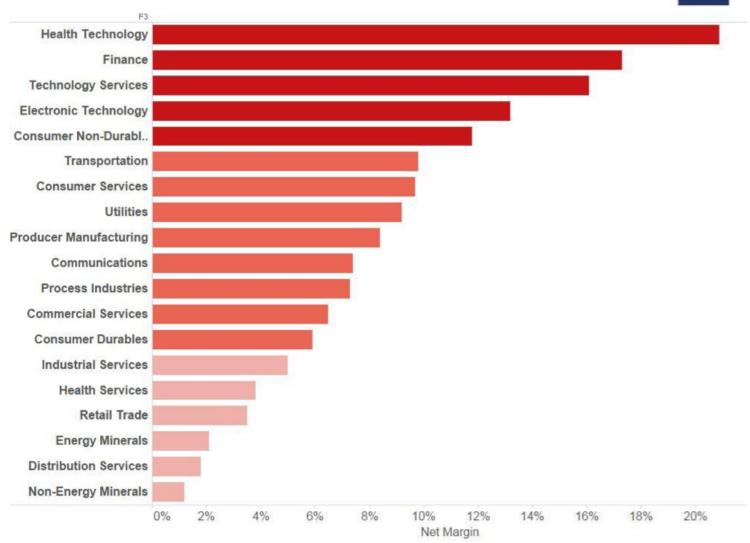
-Office: \$75-125

-General Industrial: \$25-\$50



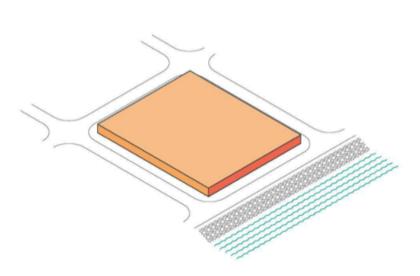
The Most Profitable Industries In 2015

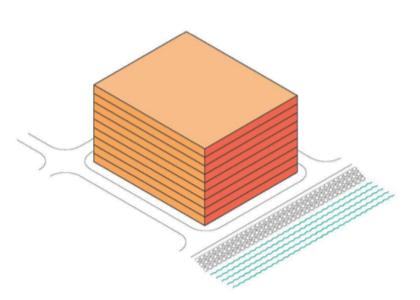




9 Story Office Building 70,000 sq. ft. per floor for 630,000 sq. ft.

1 Story Industrial Building 70,000 sq. ft.

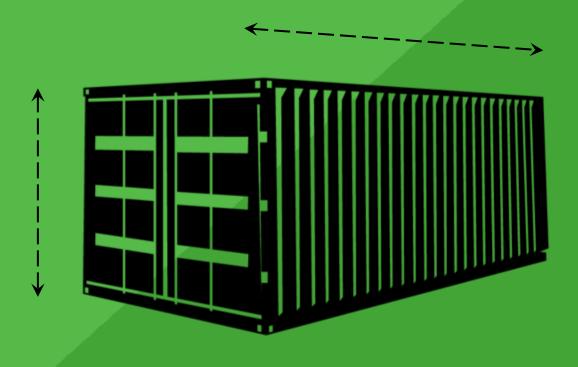






Building Square Footage	70,000			Building Square Footage	630,000		
COSTS	Costs	P SF	% of Total	COSTS	Costs	PSF	% of Total
Site Work/Foundations	10,220,000	146.00	26.1%	Site Work/Foundations	15,300,000	24.29	5.4%
Hard Costs	23,100,000	330.00	58.9%	Hard Costs	201,600,000	320.00	71.0%
Soft Costs	4,000,000	57.14	10.2%	Soft Costs	53,550,000	85.00	18.9%
Contingency	1,866,000	26.66	4.8%	Contingency	13,522,500	21.46	4.8%
Total Costs	39,186,000	559.80	100.0%	Total Costs	283,972,500	450.75	100.0%
CAPITAL				CAPITAL			
Equity	25,326,000			Equity	113,589,000		ŀ
Debt	13,860,000			Debt	170,383,500		ŀ
Total Sources	39,186,000			Total Sources	283,972,500		
INCOME				INCOME			
Net Operating Income	1,260,000	\$18.00		Net Operating Income	31,500,000	\$50.00	
Ret urn on Cost	3.2%			Ret urn on Cost	11.1%		
Debt Service	884,000			Debt Service	22,098,000		
Net Cash Flow	376,000			Net Cash Flow	9,402,000		
Return on Equity	1.5%			Return on Equity	8.3%		l l





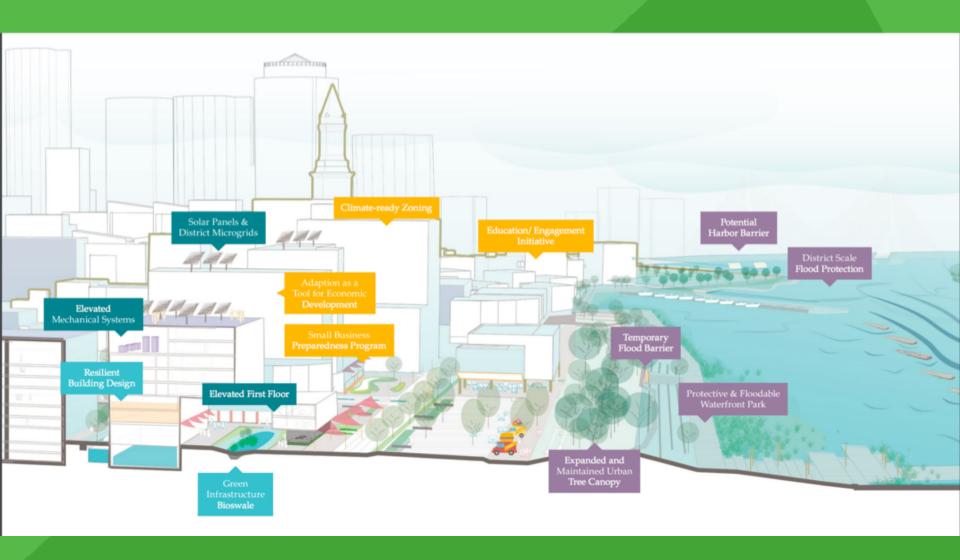
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MIA MANSFIELD

Climate Ready Boston
Program Manager
City of Boston Office of
Environmental Energy and
Open Space

A CARBON FREE, CLIMATE READY BOSTON

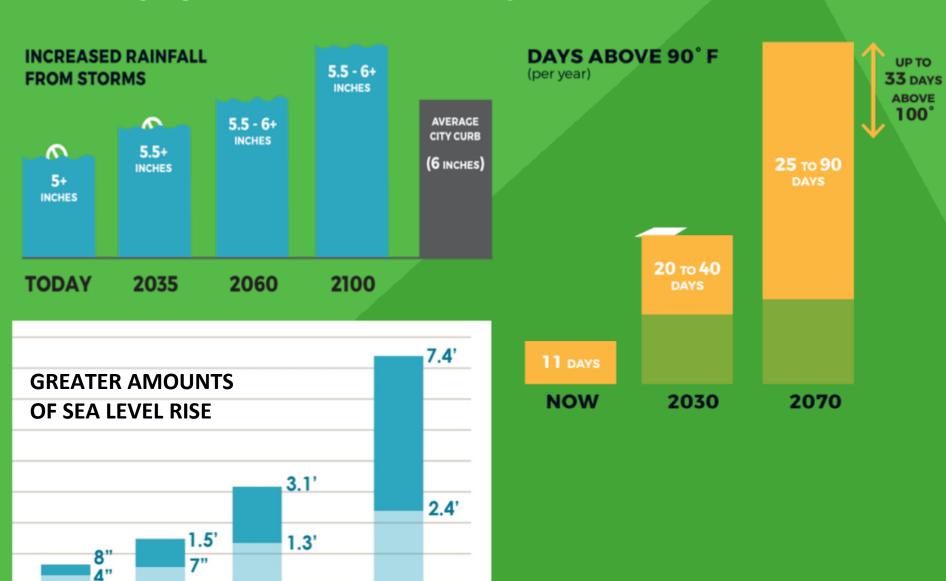


IMPACTS ARE HAPPENING

2030¹

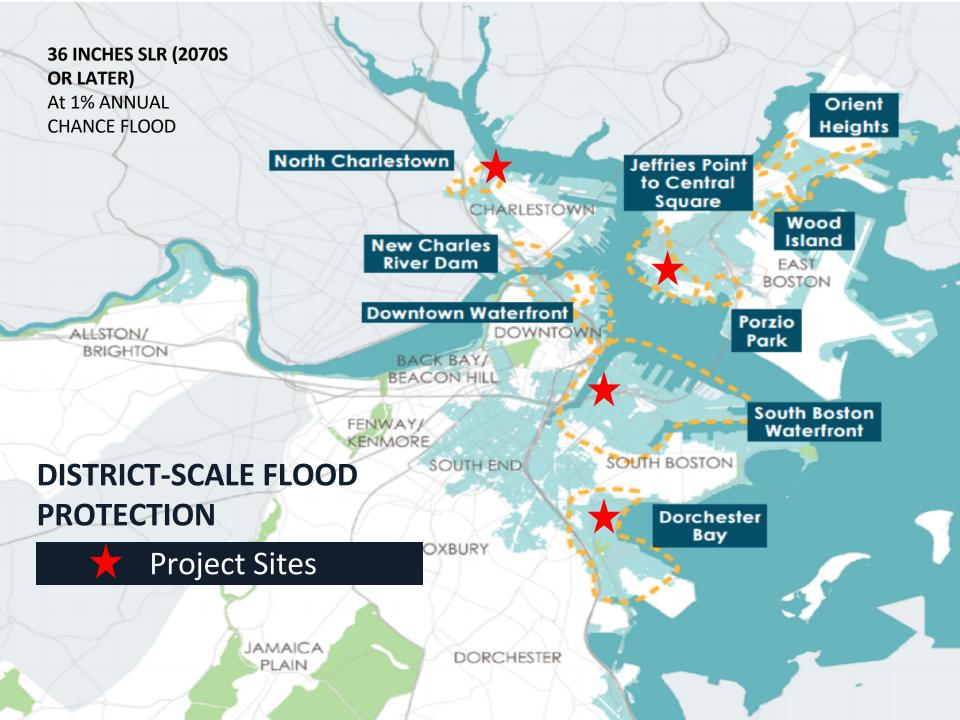
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2100²





COASTAL RESILIENCE SOLUTIONS FOR EAST BOSTON AND CHARLESTOWN

Boston.gov/climate-ready





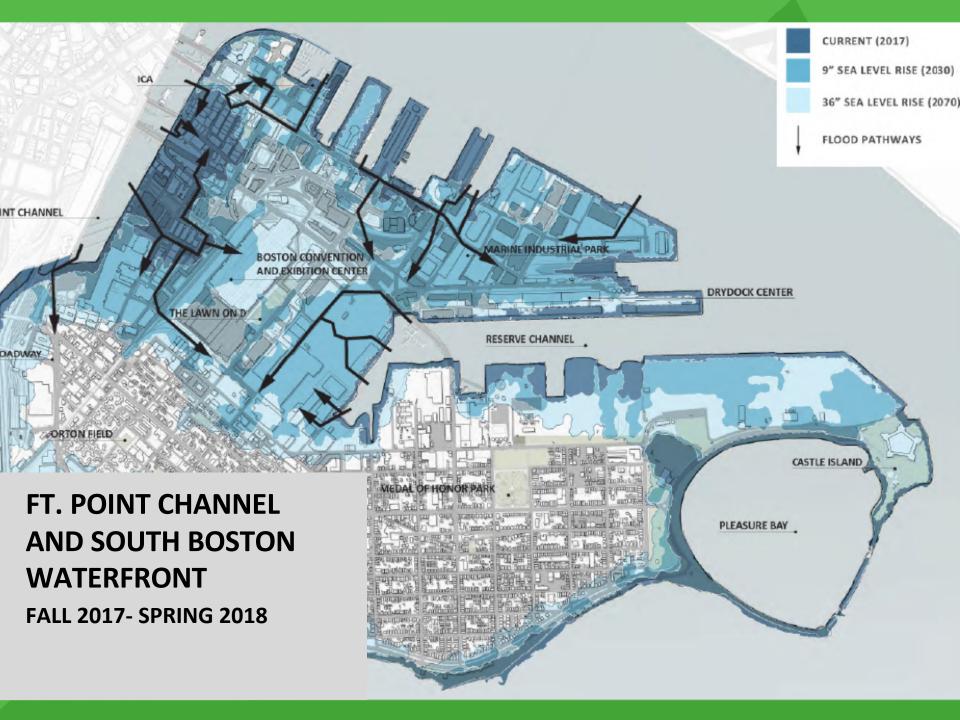


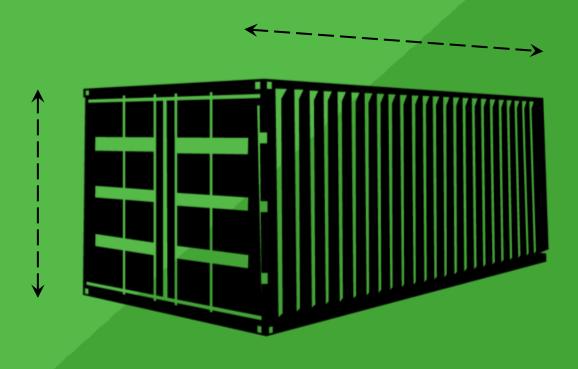
LONG TERM COASTAL RESILIENCE VISION



WINTER STORM GRAYSON 1/4/18







8 x 40



TIFFANY SKOGSTROM

Outreach and Policy Coordinator

Massachusetts Office of Technical

Assistance (OTA)

Chemical Safety and Climate Change Risks



Tiffany Skogstrom, MPH
Outreach & Policy, Massachusetts Office of
Technical Assistance (OTA)
tiffany.skogstrom@state.ma.us
617-626-1086

Program Goal



Floods

Chemical Releases & Spills Emergency Shutdowns

Extreme Heat

Chemical Temperature Explosion Risks

Climate Change & Chemical Releases

Extreme Cold

Power Outages Frozen pipes HVAC Failure

Storms

Power Outages
HVAC Failure
Infrastructure Failure



Dangerous Chemical?

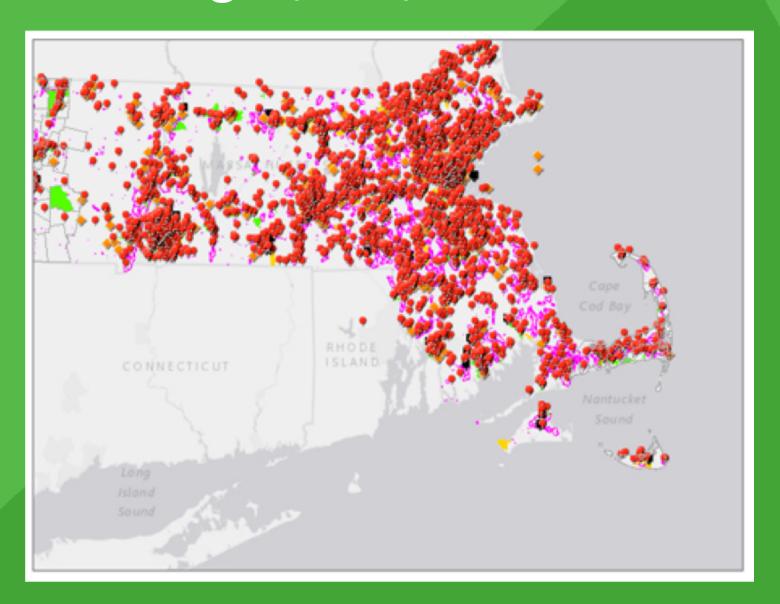
Human /
Environmental
Contact?





Potential for Hazard?

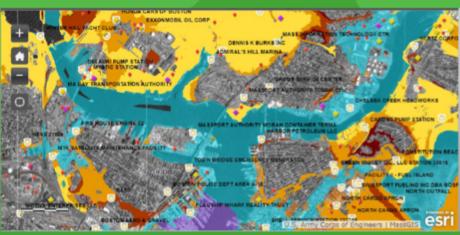
mass.gov/eea/ota-climate



Chelsea Creek

Mystic River

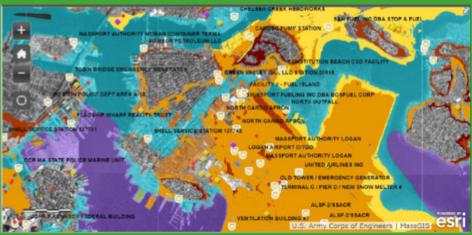




South Boston

East Boston





www.mass.gov/eea/ota-climate

Training Dates and Locations

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Northern Middlesex Council of Governments (NMCOG)

Thursday, March 1, 2018 8:30am – 11:30am

Leominster

Montachusett Regional Planning Commission (MRPC)

Tuesday, March 13, 2018 9 a.m. - 12 p.m.

Holyoke

Pioneer Valley Planning Commission (PVPC)

Tuesday, March 27, 2018 8:30am – 11:30am

Taunton

Southeastern Regional Planning and Economic Development District (SRPEDD)

Friday, March 2, 2018 9 a.m. - 12:30 p.m.

Haverhill

Merrimack Valley Planning Commission (MVPC)

Tuesday, March 27, 2018 8 a.m. - 12 p.m.

Greenfield

Franklin Regional Council of Governments (FRCOG)

Tuesday, April 3, 2018 4 p.m. - 6 p.m.

Central Massachusetts Regional Planning Commission (CMRPC)
TBA

www.mass.gov/eea/ota-climate

Recommendations & Opportunities

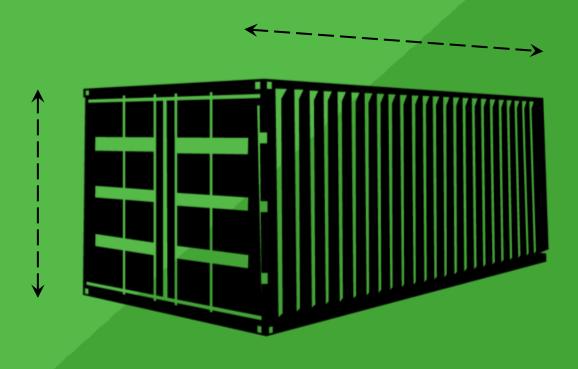
Refer Businesses to OTA

Incorporate Trainings Into L/REPC Culture Unite
Chemical
Safety &
Emergency
Preparedness

Form Govt.
Agency
Alliances

Refer Businesses to Spring Trainings

Tiffany Skogstrom tiffany.skogstrom@state.ma.us 617-626-1086 mass.gov/eea/ota-climate



8 x 40



DAN ADAMS

Founding Principal Landing Studio







Marginal Street Corridor Improvement Project and Memorandum of Agreement

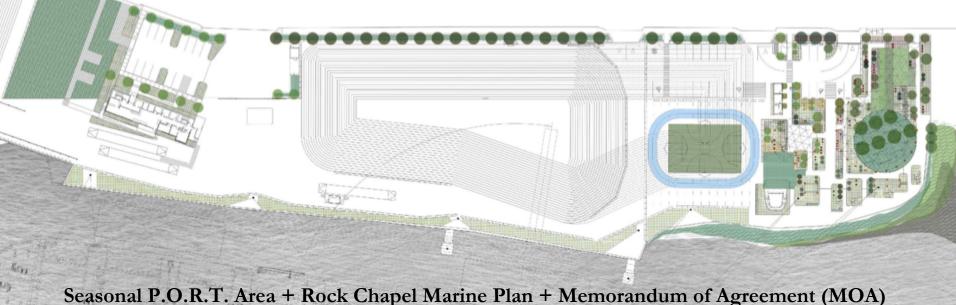
This Memorandum of Agreement ("MOA") is made this 9th day of July, 2007 between and among Eastern Minerals, Inc., Eastern Salt Company Inc., Rock Chapel Marine LLC (sometimes collectively "Eastern"), and the City of Chelsea, a Massachusetts municipal corporation (the "City of Chelsea, a

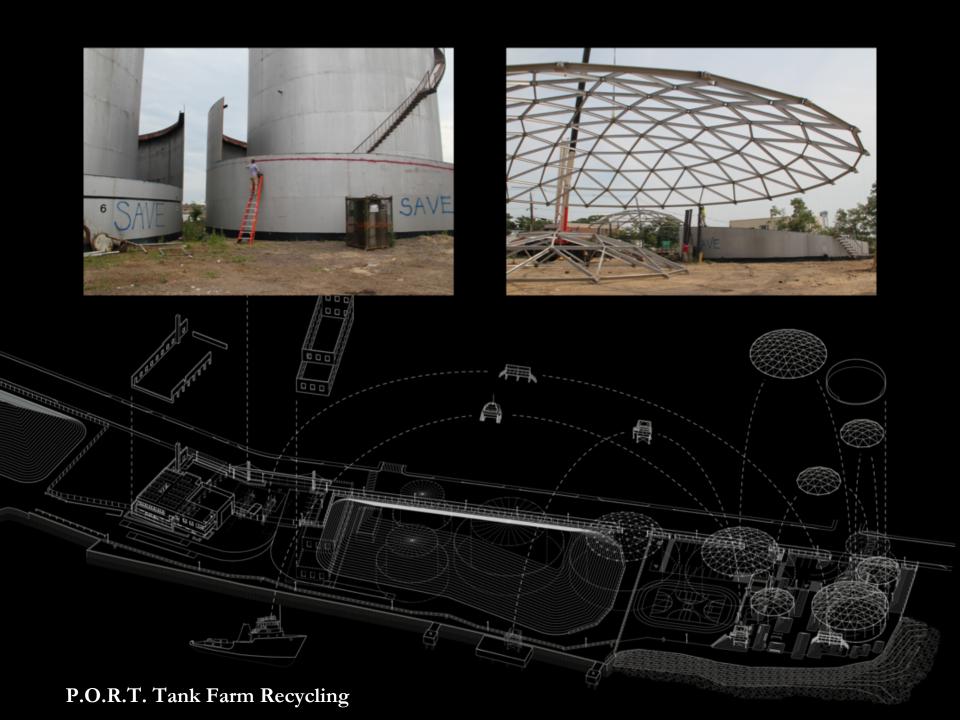
The purpose of this MOA is to establish a framework for mutual cooperation in achieving the following goals:

- Increase the opportunities for public access to the City's waterfront in a manner that is safe, compatible, and harmonious with the commercial eargo operations and other water-dependent maries industrial uses of the Chelesa Creek Designated Port Area ("DPA"); and with the port security and public safety requirements established under the United States Coast Guard's Homeland Socratiy regulations.
- 2. Increase the capacity for public recreation and meeting space on the City's waterfront neighborhood in a manner that promotes understanding and cooperation between local businesses and residents; improves understanding and knowledge of the City's ongoing maritime heritage; and improves and benefits from the seemic opportunities of the harbor and the City's working waterfront.
- Investigate and remedy historical environmental contamination at the marine petroleum terminal located at 99 Marginal Street.
- 4. Coordinate the aesthetic appearance of the Marginal Street Promesade, as that term is used in this MOA, in order to improve the scenic vitality of the streeticage and establish a satisfying vitsual liskage between the neighborhood's industrial, commercial, residential and recreational land uses as shown on the Revised Landscape Plan, Sheet L3, stamped by Marshall Oary LLC, dated Jasuary 28, 2007, revised April 13, 2007 (the "Landscape Plan"), which is attached hereto as <u>Exhibit</u>.
- Reduce the risk of traffic congestion on Marginal Street, a state designated truck route.

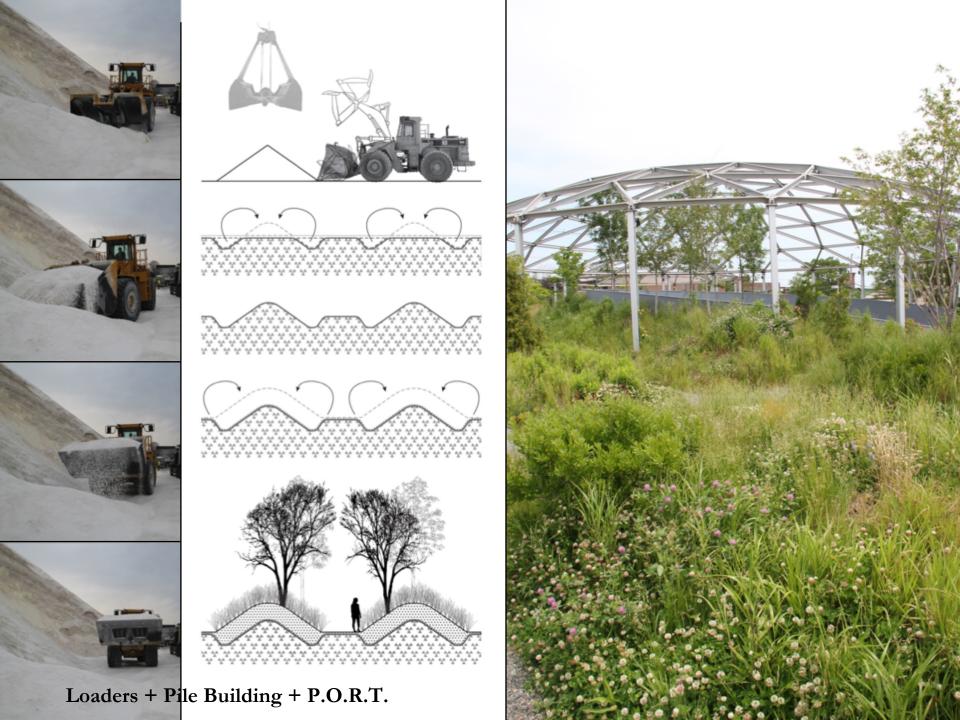
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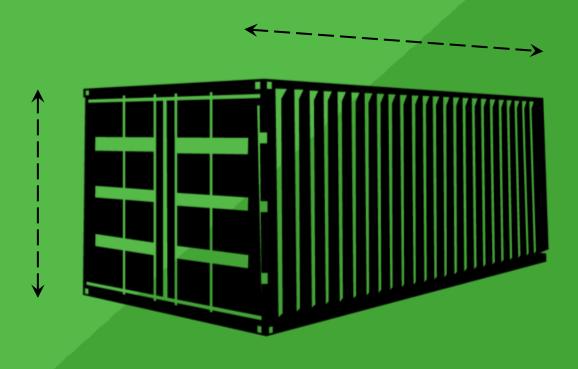












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INTERMISSION

Please take your seats. Program to commence shortly.



BRUCE MOHL

Editor Commonwealth Magazine

WORKING PORT IDEA EXCHANGE

AMMAR KANAAN BILL NEEDELMAN JAMIE TORRES SPRINGER AUSTIN BECKER



JEFF PORTER

Chair, Board of Trustees **Boston Harbor Now**

RECEPTION & NETWORKING