

1

WELCOME!

CLIMATE READY DOWNTOWN AND
NORTH END OPEN HOUSE

B

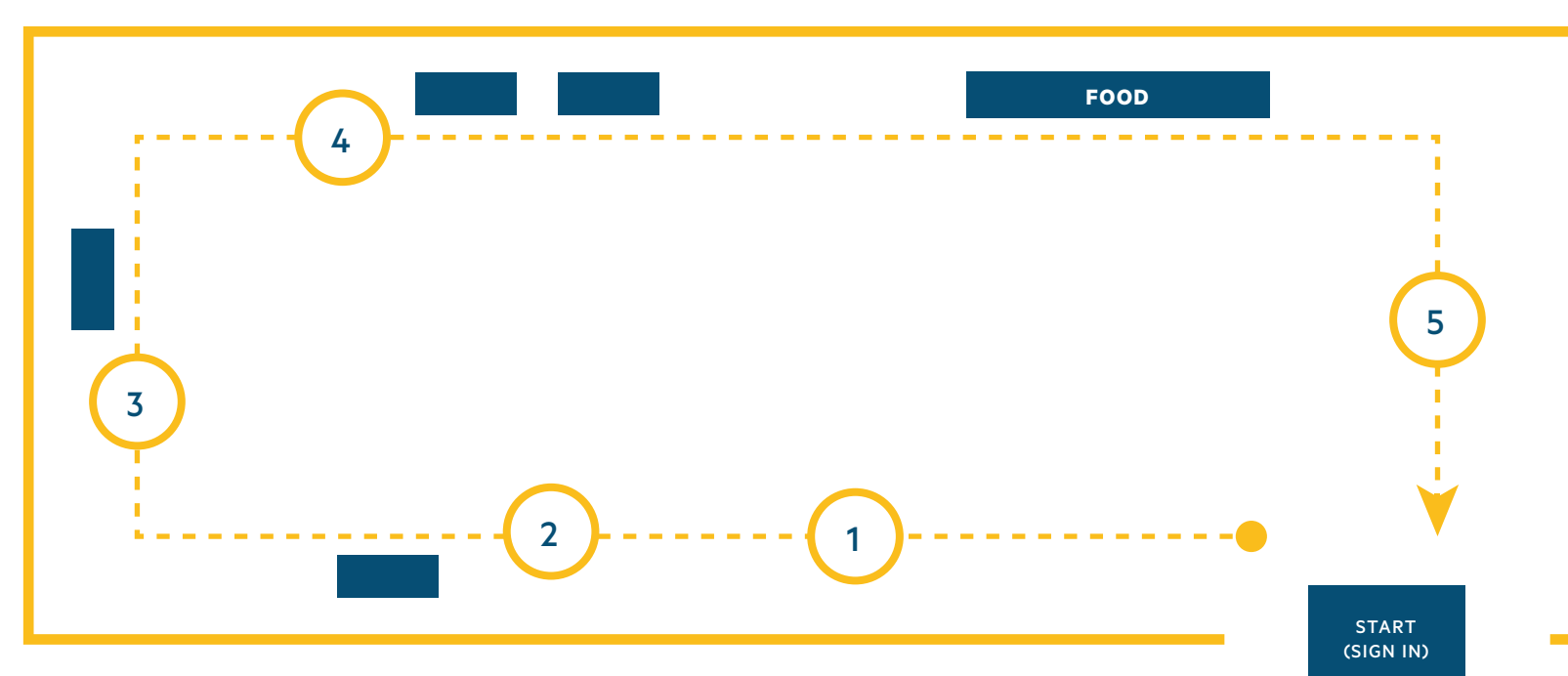
GREENOVATE
CITY of BOSTON

STOPS

For more information please visit: <https://www.boston.gov/departments/environment/climate-ready-boston/climate-ready-downtown-and-north-end>

Climate Ready Boston is Mayor Walsh's initiative to help the City prosper and grow in the face of long-term climate change. Goals for climate preparedness are included in many City plans, and new projects are underway to address priority issues. In Downtown, our priority is to develop solutions to protect the neighborhood from coastal flooding caused by sea level rise and storms. These solutions can create equitable development and job creation, improve transit and community service, increase access to open spaces and enhance health and security in the community. The workshop today is to involve the community early in the design process. **At the end of the year, the City will release a final report with draft designs and an implementation plan for the City and its partners in Downtown Boston.**

FLOOR PLAN

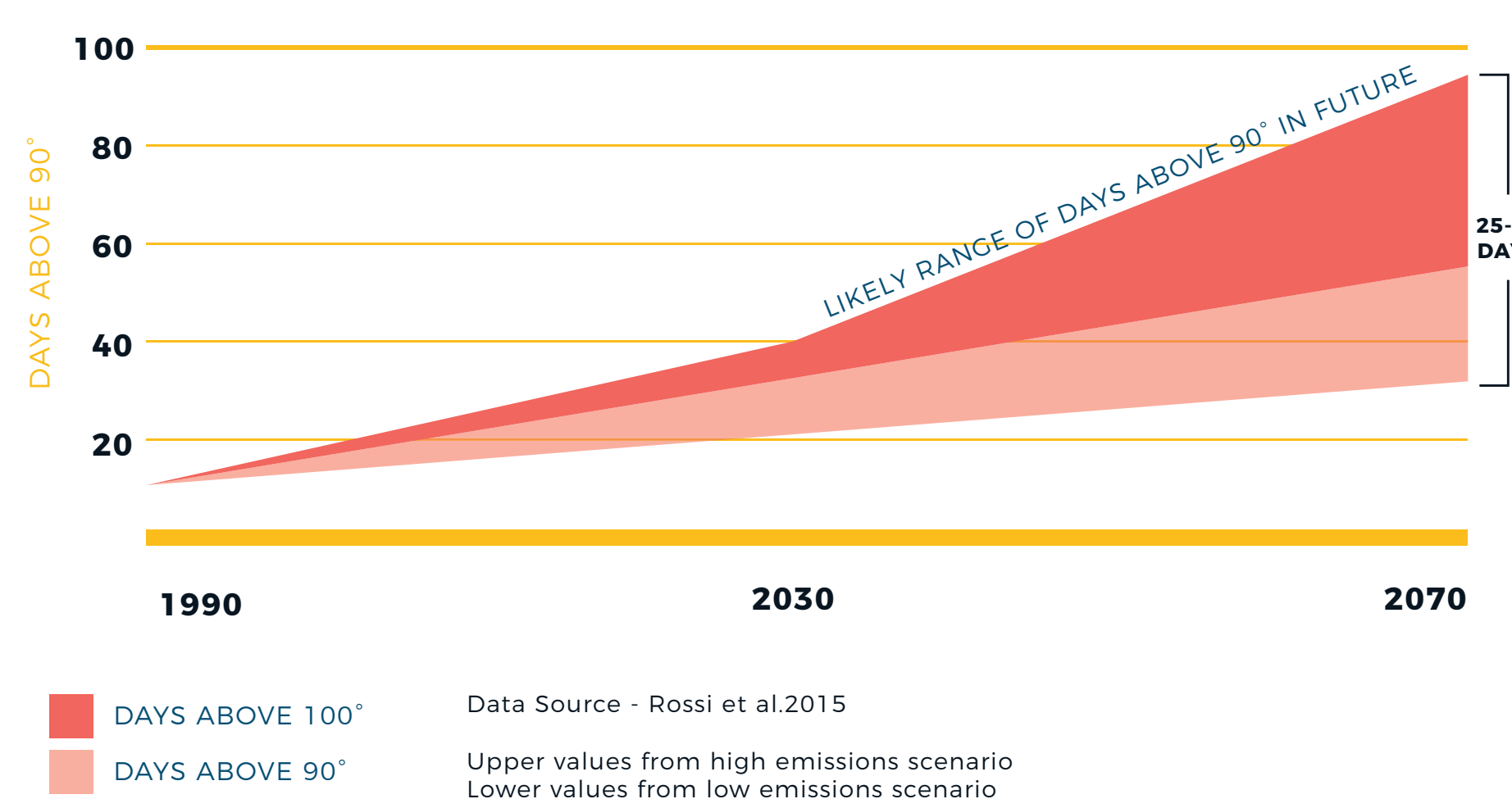


WE WANT YOUR INPUT - VISIT ALL STATIONS AND LET US KNOW WHAT'S IMPORTANT TO YOU!

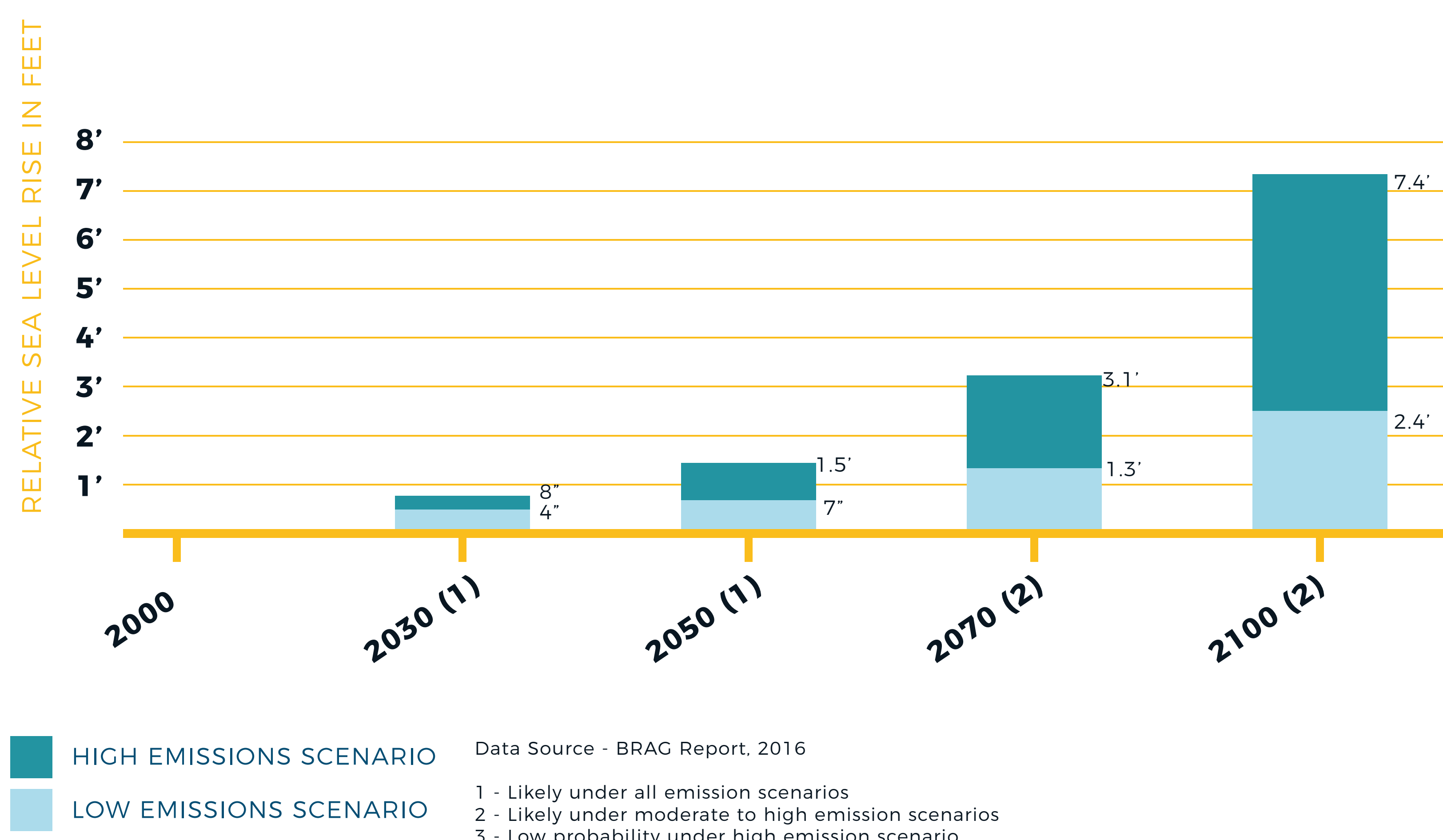
- 1. WELCOME!**
- 2. FLOODING IN DOWNTOWN**
- 3. RESILIENT SOLUTIONS**
- 4. WATERFRONT OPEN SPACES**
- 5. DOWNTOWN & NORTH END IMAGE GALLERY**

CLIMATE PROJECTIONS

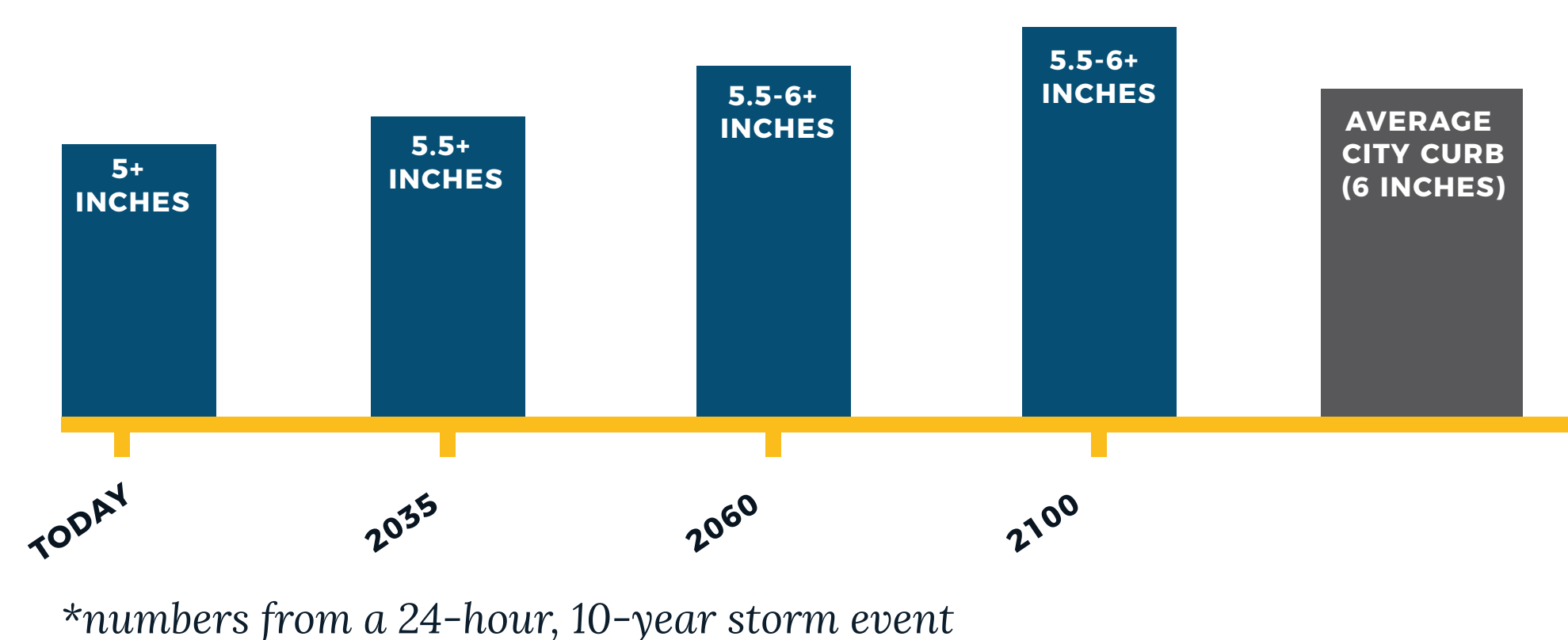
THE NUMBER OF VERY HOT DAYS WILL INCREASE



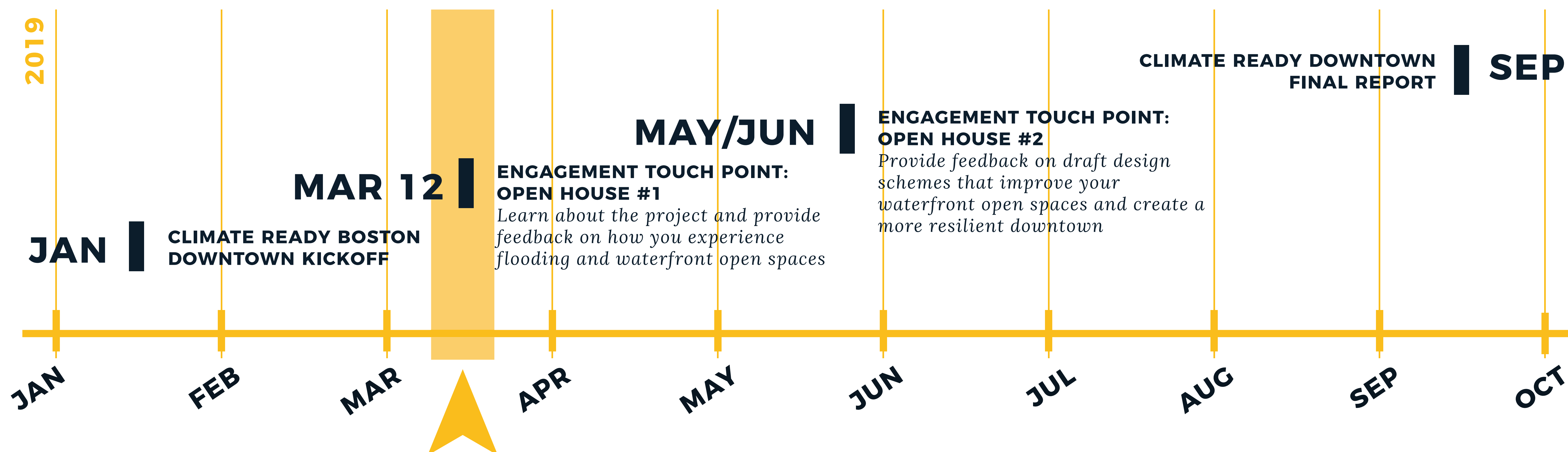
SEA LEVELS IN BOSTON WILL CONTINUE TO RISE



STORMWATER FLOODING WILL INCREASE



WHERE DO WE FIT IN?



1

WELCOME!

CLIMATE READY DOWNTOWN AND
NORTH END OPEN HOUSEFor more information please visit: <https://www.boston.gov/departments/environment/climate-ready-boston>

B

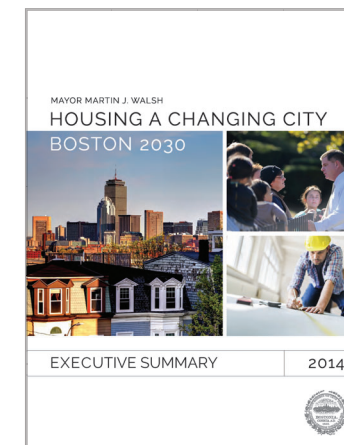
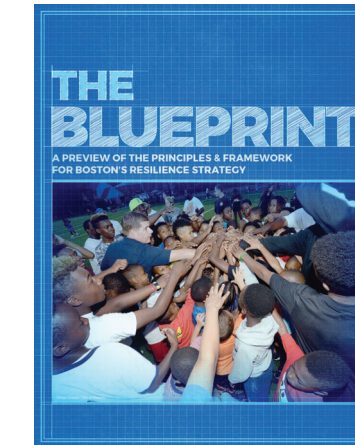
GREENOVATE
CITY of BOSTON

STOS

CLIMATE PREPAREDNESS PLANNING TO DATE & IN PROGRESS

IMAGINE
BOSTON 2030

As Boston's first citywide plan in 50 years, Imagine Boston 2030 will create a framework to preserve and enhance Boston, while embracing growth as a means to address our challenges and make the city stronger and more inclusive.

2014 Climate
Action Plan
UpdateHousing a
Changing CityGo Boston
2030Open Space and
Recreation Plan
2015-2021Resilience Strategy:
The Blueprint2016 Climate Ready
Boston Full Report

CLIMATE READY BOSTON

Climate Ready East
Boston /
Charlestown (2017)

Identifying short- and long-term solutions to protect East Boston and Charlestown from coastal flooding.

Moakley Park Vision
Plan (in progress):

Addressing recreational needs, park opportunities, and coastal and stormwater flooding concerns.

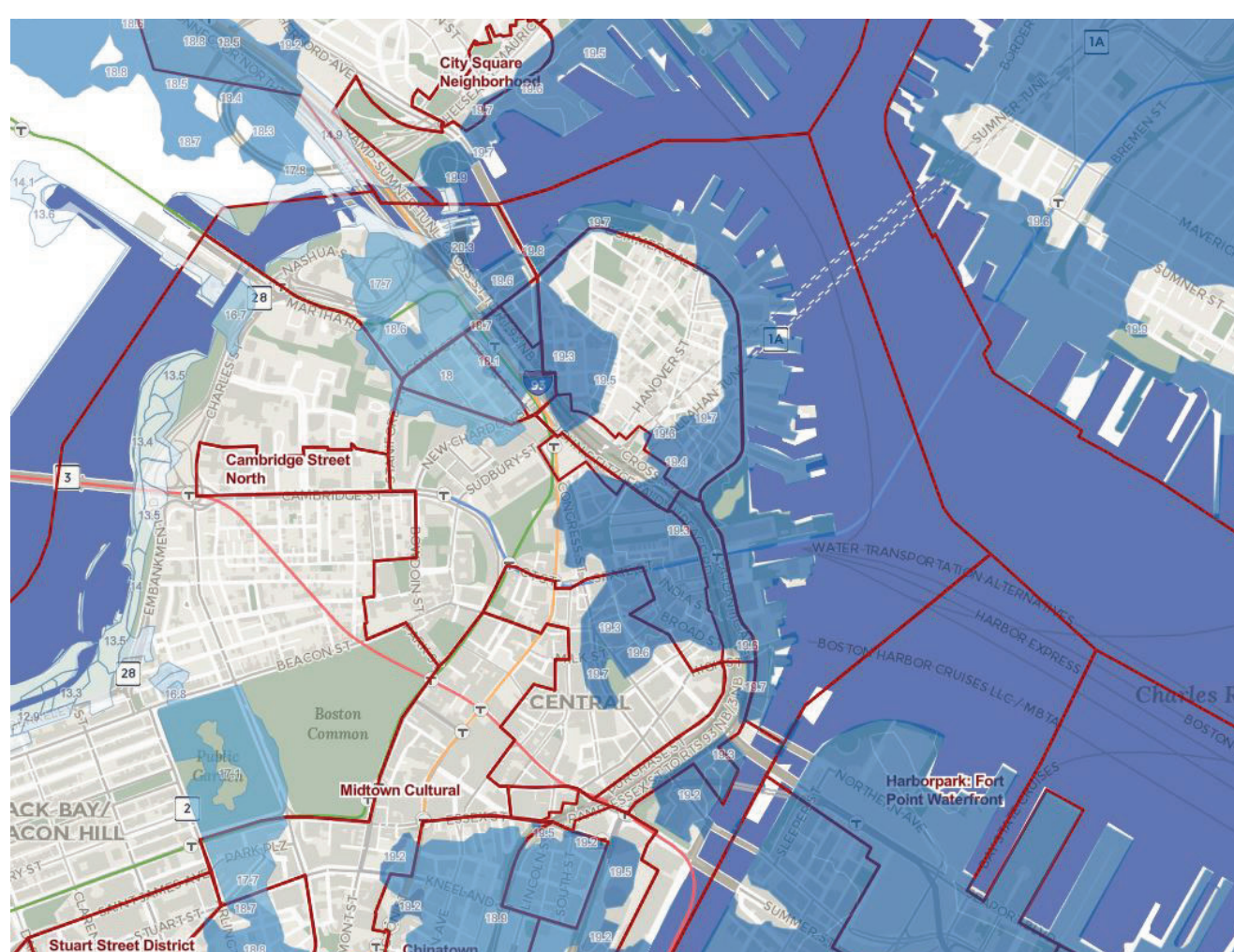
Please join us for the upcoming
Moakley Park Vision Plan Open House on Thursday March 21, 2019
at 6pm-7:30pm. Please RSVP at
http://greenovateboston.org/moakley_park_vision_plan

Resilient Harbor
Boston (2018)

A comprehensive Boston Harbor-wide vision of coastal resilience that recommends open space opportunities for flood protection.

Climate Ready
South Boston (2018)

Identifying short- and long-term solutions to protect South Boston from coastal flooding.

Boston Flood
Resiliency Zoning
Overlay District
and Resiliency
Design Guidelines
(in progress)

Designating vulnerable areas of the City and establishing building design and guidelines that promote resiliency standards.

Climate Resilient
Design Standards &
Guidelines (2018)

Providing engineers and designers with climate design adjustments and a standardized climate resilient design process for flood barriers.

2

FLOODING IN DOWNTOWN

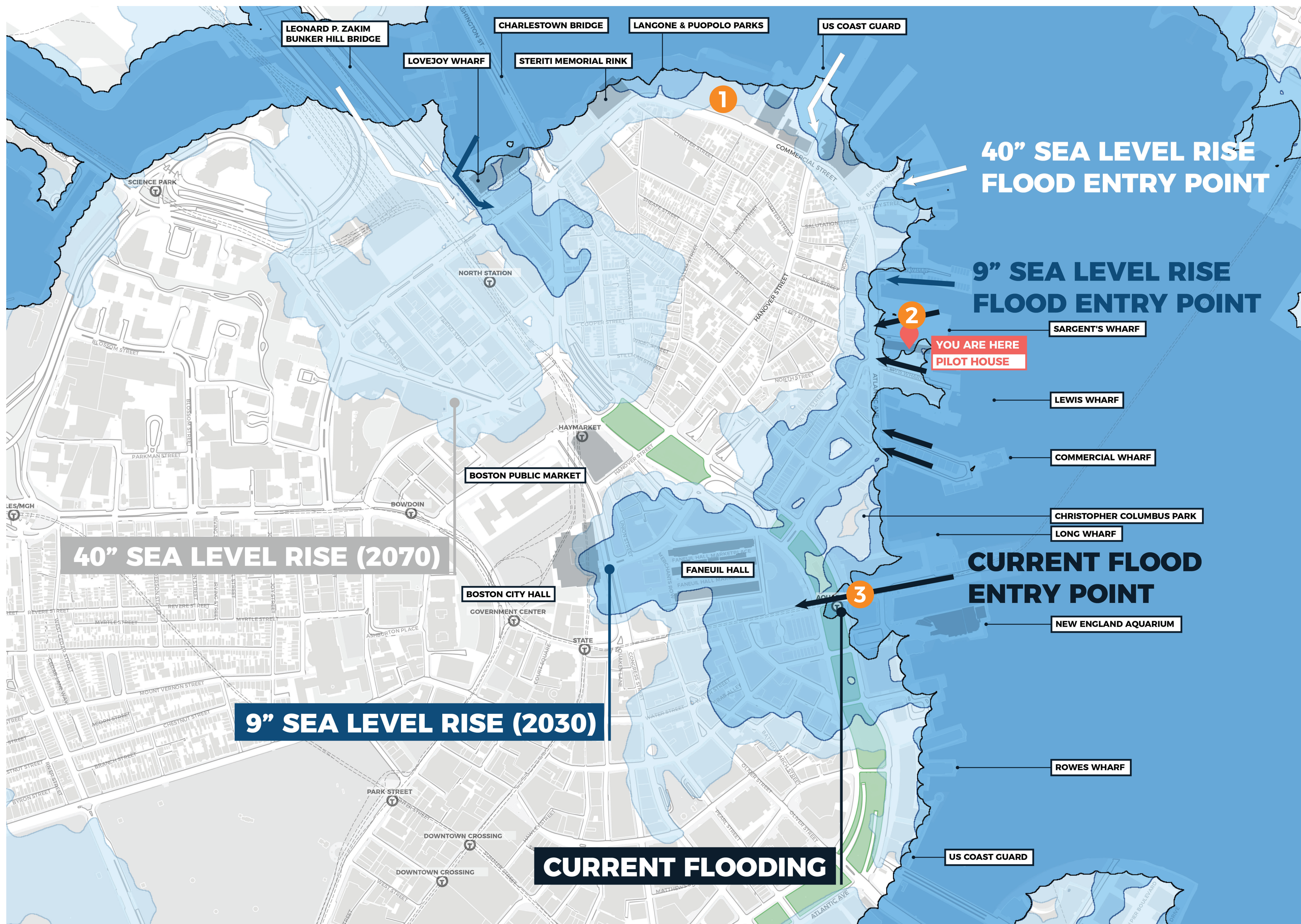
LEARN MORE ABOUT CURRENT AND FUTURE FLOODING PATHS

For more information please visit: <http://maps.bostonplans.org/zoningviewer/>



GREENOVATE
CITY of BOSTON

STOSS



PHOTOS FROM RECENT FLOOD EVENTS

*numbers correlate to locations on map

1



PUOPOLO PARK
MARCH 2018

2



SARGENT'S WHARF
MARCH 2018

3



MARRIOTT LONG WHARF
JANUARY 2018

MAP YOUR FLOODING

HELP US TRACK AREAS OF CURRENT FLOODING

For more information please visit: <http://maps.bostonplans.org/zoningviewer/>

**STEP 1**

Use a *green pin* to mark where it floods when it's raining.

**STEP 2**

Use a *blue pin* to mark where you experience coastal flooding.

**STEP 3**

Tell us more about your flooding issues in Downtown Boston on the survey provided



For more information please visit: <https://www.boston.gov/departments/environment/climate-ready-boston>

RESILIENT METHODS EVALUATION CRITERIA

DESIGN LIFE AND ADAPTABILITY

- Design Life
- Performance horizon
- Adaptability/flexibility
- Maintenance Requirements
- Phase-ability and time to implementation

SOCIAL IMPACT

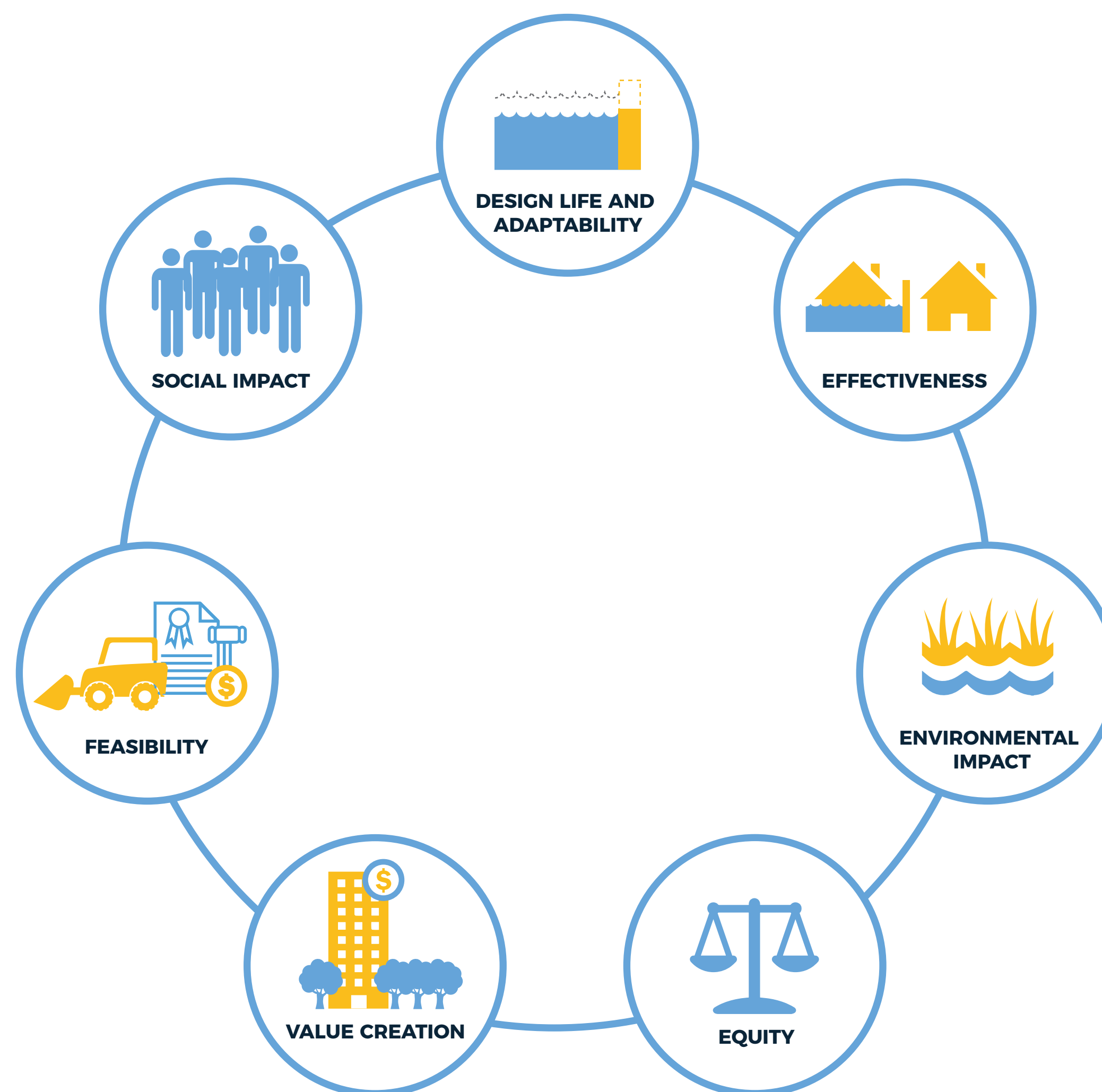
- Recreational
- Cultural
- Aesthetic

FEASIBILITY

- Stakeholder acceptance
- Constructibility
- Permitting
- Replicability
- Affordability: Cost of Construction
- Affordability: Cost of Maintenance

VALUE CREATION

- New value created on sites or adjacent sites
- Capacity to catalyze future funding and investment



EFFECTIVENESS

- Maximum level of protection (% probability / SLR scenario)
- Reduction in flood extent
- Avoided damage and loss
- Residents protected
- Critical assets protected

ENVIRONMENTAL IMPACT

- Water and air quality
- Habitat value
- Human health benefits

EQUITY

- New and equitable access to water
- Educational opportunities
- Community partnerships
- Preservation /addition of affordable housing

POTENTIAL RESILIENCY METHODS



COASTAL MARSH

Hunter's Point South Waterfront Park, New York, NY



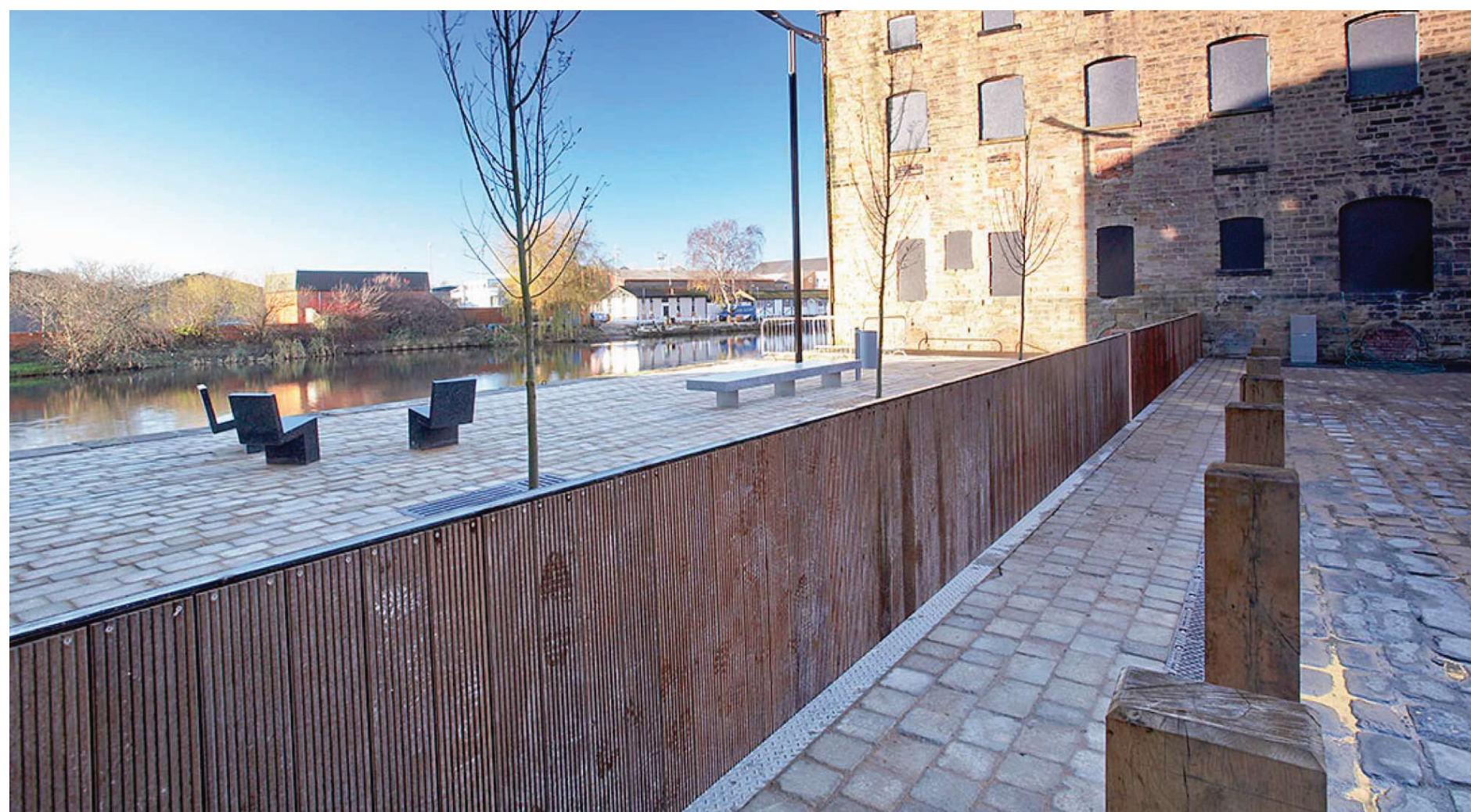
STEPPED EDGE

Chicago Riverwalk, Chicago, IL



STORMWATER GARDEN

NCMA Park, Raleigh, NC



TEMPORARY FLOOD WALL

Wakefield Waterfront, Wakefield, England



RAISED PARKS

Hunter's Point South Waterfront Park, New York, NY



LIVING BREAKWATER

West Bay, Chocolate Bayou, TX



ELEVATED PATHWAY

Seattle Central Waterfront, Seattle, WA



ADAPTIVE BUILDINGS

Spaulding Rehabilitation Hospital, Boston, MA



FLOOD WALL

Seattle Central Waterfront, Seattle, WA

RESILIENT SOLUTIONS

WE WILL APPLY ALL OF THESE CRITERIA WITHIN FUTURE RESILIENT SOLUTIONS.
WHAT ARE THE THREE MOST IMPORTANT TO YOU?

STEP
1

Use a *blue sticker* to mark your
first priority.



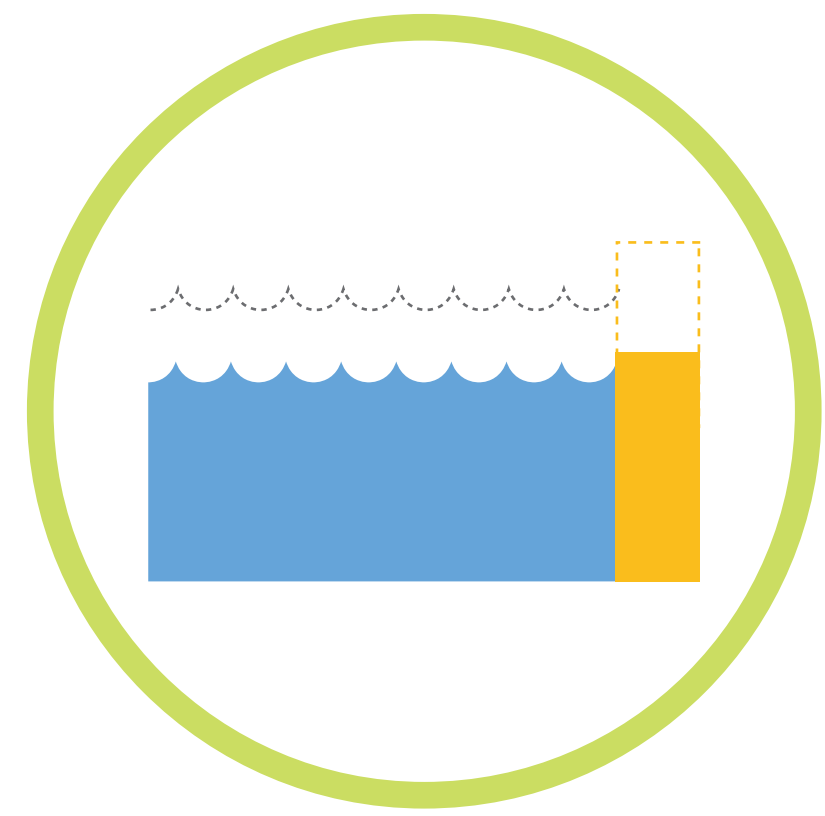
STEP
2

Use a *red sticker* to mark your
second priority.



STEP
3

Use a *green sticker* to mark
your third priority.



DESIGN +
ADAPTABILITY



EFFECTIVENESS



ENVIRONMENTAL
IMPACT



EQUITY



FEASIBILITY



SOCIAL IMPACT



VALUE CREATION

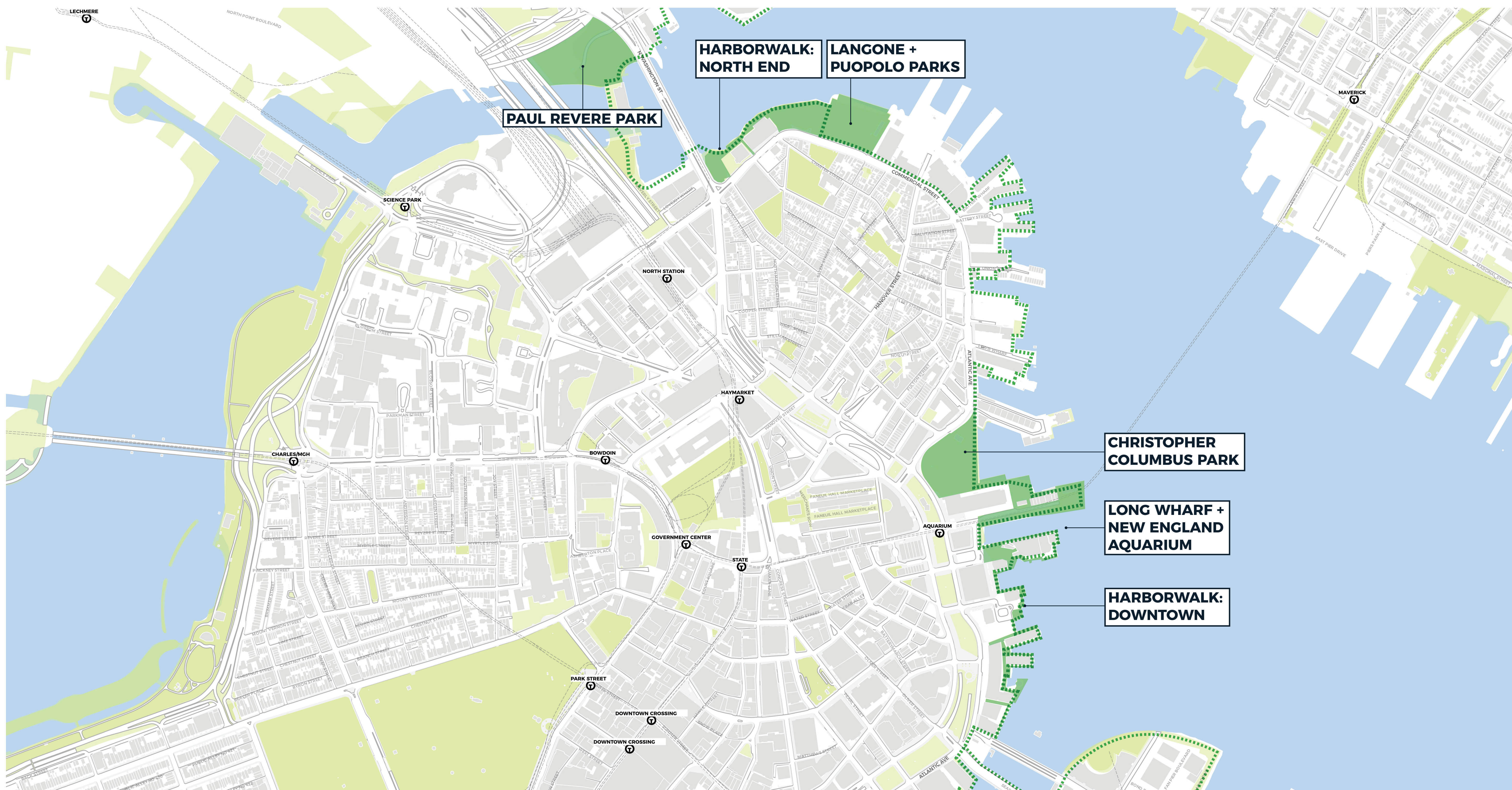
1ST

2ND

3RD

WHY OPEN SPACES ARE IMPORTANT IN RESILIENCY

Waterfront open spaces present an important opportunity to enhance coastal resilience and improve access to improved open spaces. The Resilient Harbor Boston vision identified sites that could demonstrate these opportunities. In order to improve these waterfront open spaces, we'd like to know how you currently use them today and how you'd like to use them in the future.



CURRENT ACTIVITIES

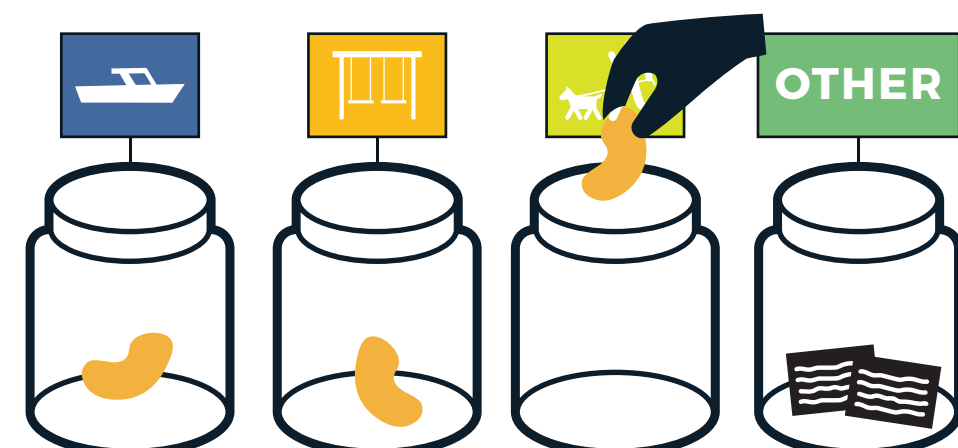
HOW DO YOU USE WATERFRONT OPEN SPACES TODAY?

STEP
1

Pick your **top three** waterfront activities.

STEP
2

Put a bean in your **top three** waterfront activities' containers.



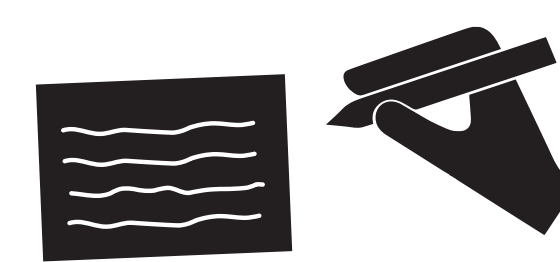
CAN'T FIND A FAVORITE
ACTIVITY? WRITE IT DOWN
AND PUT IT IN "OTHER"!

FUTURE ACTIVITIES

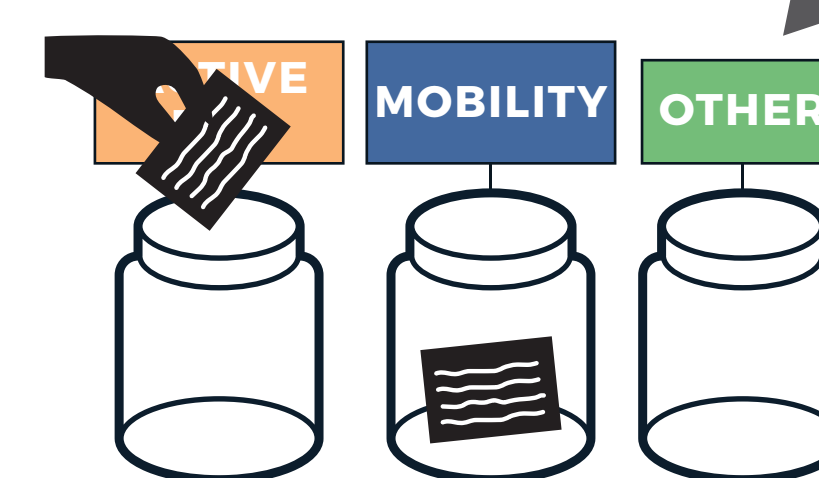
HOW WOULD YOU LIKE TO USE WATERFRONT OPEN SPACES IN THE FUTURE?

STEP
1

Write what you'd like to do on the waterfront in the future.

STEP
2

Find the category your activity falls under, and put your note in that container!



CAN'T FIND THE
RIGHT CATEGORY?
PUT IT IN "OTHER"!

4

WATERFRONT OPEN SPACES

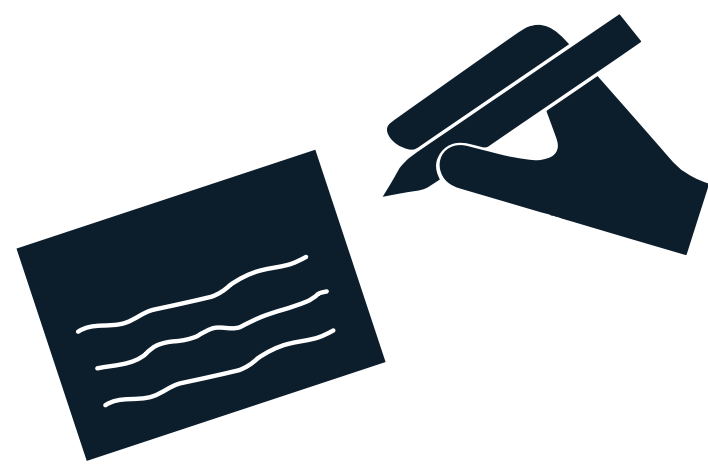


STOPS

For more information on Langone + Puopolo Park redesign please visit:
<https://www.boston.gov/departments/parks-and-recreation/improvements-langone-park-and-puopolo-playground>

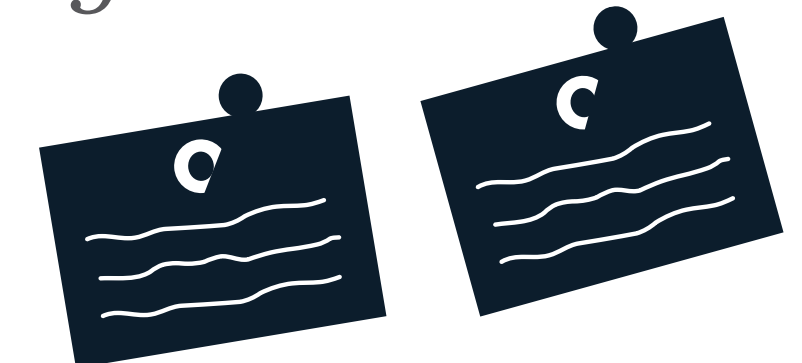
STEP
1

*Tell us about how you
use a downtown park.*



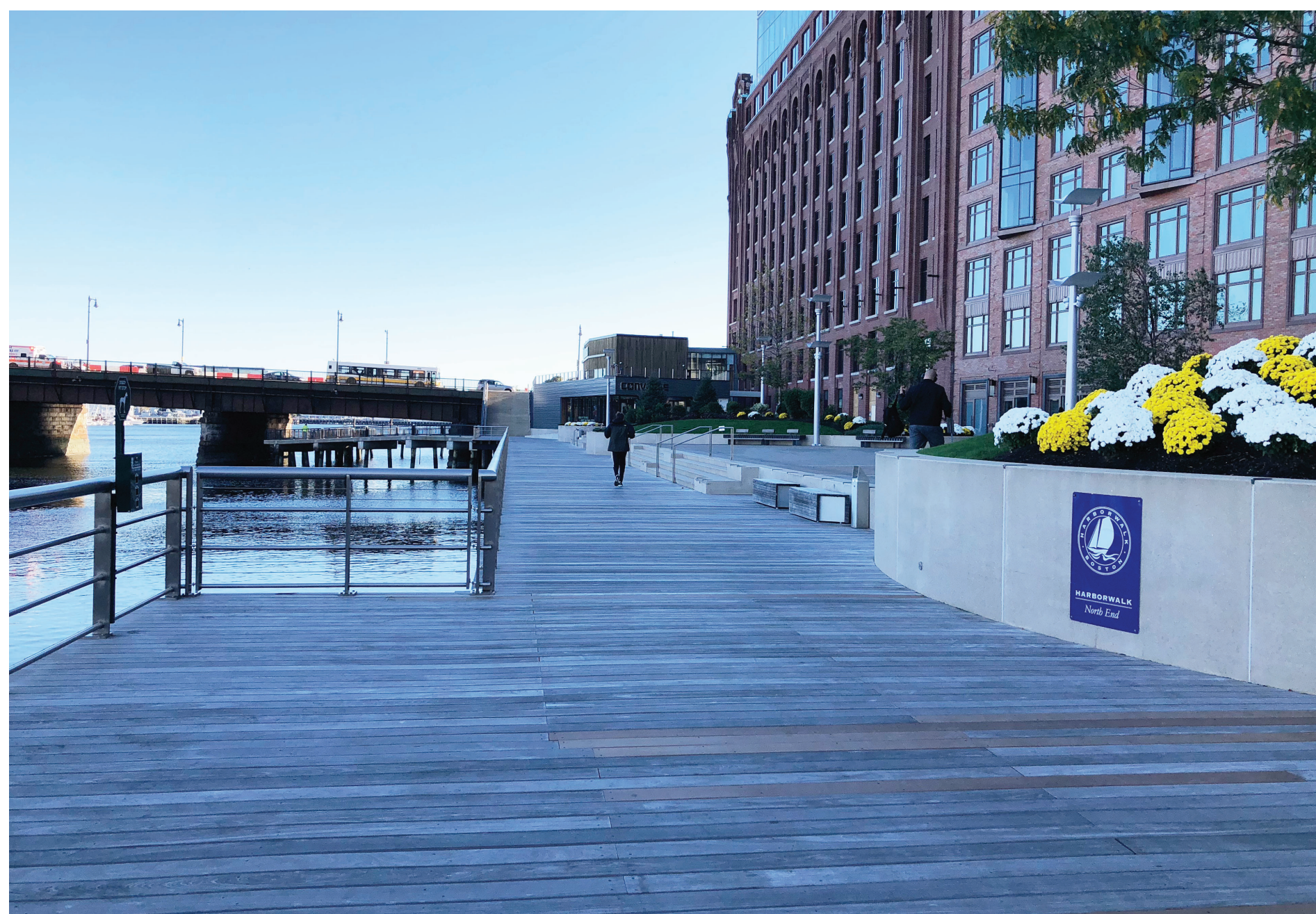
STEP
2

*Place your card on the peg
provided.*



PAUL REVERE PARK

PLACE CARD HERE



HARBORWALK: NORTH END

PLACE CARD HERE



LANGONE + PUOPOLO PARKS

PLACE CARD HERE



CHRISTOPHER COLUMBUS PARK

PLACE CARD HERE



LONG WHARF & AQUARIUM

PLACE CARD HERE



HARBORWALK: DOWNTOWN

PLACE CARD HERE