Turning Up the Heat: Climate Resilience & Community Engagement
Boston’s Great Connector: The Emerald Necklace

Karen Mauney-Brodek, President, Emerald Necklace Conservancy
The Emerald Necklace
The Emerald Necklace

“The foulest marsh and muddy flats to be found anywhere in Massachusetts without a single attractive feature. A body of water so foul that even clams and eels cannot live in it, and that no one will go within half a mile of it in summertime, unless out of necessity, so great is the stench.”

- E.W. Howe, City Engineer
The Emerald Necklace

--- Provisional Data Subject to Revision ---

--- Provisional Data Subject to Revision ---
The Emerald Necklace
What We Do
The Conservancy’s Founding

Kenmore Station

Olmsted Park
From Crisis, Community Resilience

- Arboretum Park Conservancy
- Arborway Coalition
- Arnold Arboretum
- Boston Committee of the Garden Club of America
- Boston Society of Landscape Architects
- Brookline GreenSpace Alliance
- Charlesgate Alliance
- Emerald Necklace Greenway Project
- Fenway Alliance
- Fenway CDC

- Fenway Civic Association
- Fenway Garden Society
- Franklin Park Coalition
- Franklin Park Zoo / Zoo New England
- Friends of Jamaica Pond
- Friends of Leverett Pond
- Friends of the Muddy River
- Isabella Stewart Gardner Museum
- Jamaica Hills Association
- Jamaica Pond Association
- MASCO
- Museum of Fine Arts, Boston
From Crisis, Restoration
From Crisis, Restoration
Connecting Communities
Maintaining a Resilient Landscape
Building Park Access

Signage Pilot

Access

Advocacy
Connecting Communities

Casey Overpass

Charlesgate

Route 9 Crossing
Fog x FLO: Fujiko Nakaya on the Emerald Necklace
Thank You!

Keep in touch online at
www.emeraldnecklace.org

Tour the Emerald Necklace parks with
www.emeraldnecklace.tours
Alicia Sasser Modestino  
Associate Director  
Dukakis Center for Urban and Regional Policy

Turning Up the Heat  
Climate Resilience and Community Engagement  
October 18, 2019
Resilience and Racial Equity

“We lead efforts to help Boston plan for and deal with catastrophes and slow-moving disasters, like persistent racial and economic inequality.”

– City of Boston, Department of Resilience and Racial Equity

“Our goal is to integrate thought and action to achieve social justice through collaborative data-driven analysis and practice.”

- Dukakis Center for Urban and Regional Policy, Northeastern University
Building a Resilient Workforce

• “A Multi-Year Evaluation of the Boston Summer Youth Employment Program”
  Community partner: Boston Mayor’s Office of Workforce Development
  Funder: William T. Grant Foundation

• “An Evaluation of the Boston Youth Credit Building Initiative”
  Community Partner: Boston Mayor’s Office of Financial Empowerment
  Funder: Citi Community Development Foundation

• “The Economic and Social Return on Investment for ESOL Programs in Greater Boston”
  Community Partner: The Latino Legacy Fund
  Funder: The Boston Foundation
Building a Resilient Community

• “A Community Health Center Buyback Program to Reduce the Supply of Opioids to Secondary Users”
  Community partner: Greater Lawrence Family Health Center
  Funder: The Abdul Latif Jameel Poverty Action Lab at MIT

• “Analysis of Suboxone Prescribing for Opioid Use Disorder”
  Community Partner: Massachusetts Department of Public Health
  Funder: Massachusetts Department of Public Health

• “A Novel Big Data Analytics Framework to Predict the Risk of Opioid Use Disorder”
  Funder: Global Resilience Institute, Northeastern University
Building a Resilient Housing Stock

• “Greater Boston Housing Report Card 2019: Supply, Demand and the Challenge of Local Control”
  Research partners: Massachusetts Housing Partnership, UMass Donahue Institute
  Funder: The Boston Foundation

• “Greater Boston Housing Report Card 2020: Housing, Transit and Location Efficiency”
  Research partners: Massachusetts Housing Partnership, UMass Donahue Institute
  Funder: The Boston Foundation
Turning Up the Heat: Climate Resilience & Community Engagement
Incorporating Questions of Equity into Adaptation Decisions

Rebecca Herst
Sustainable Solutions Lab, University of Massachusetts Boston
Rebecca.Herst@umb.edu
Climate Change Disproportionately Impacts Vulnerable Populations

- Exclusion from decision making
- Structural racism and historical inequities
- Unintended consequences of climate policy

Creative Commons, Lieut. Commander Mark Moran
NOAA Corps
Impact of Structural Racism and Historic Inequities

Federal Home Owners Loan Corporation Map

Climate Ready Boston
Incorporating an Equity Framework

- Acknowledge historic legacy
- Who pays and who benefits?
- Factor in climate/hazard contribution
- Be proactive: Pre-disaster mitigation and planning
- Focus on pitfalls (predatory contractors, lack of or mis-communication, climate gentrification)
Avoiding Unintended Consequences

• Minimizing the time for implementing disaster relief programs and disbursing aid is crucial

• Financial assistance that is easy to access/takes trauma into account-case workers to support

• Accessible communications

• Non-structural interventions
References

Center for Progressive Reform: *Climate Change, Resilience, and Fairness: How Nonstructural Adaptation Can Protect and Empower Socially Vulnerable Communities on the Gulf Coast*


Turning Up the Heat: Climate Resilience & Community Engagement
Mantra.

People and communities should have the right to control their energy future.
Resilient.
Urban.
Neighborhoods.

A well-informed public will make the right decisions.
-Ian Neilson, Deputy Mayor, Cape Town
Chelsea residents see a powerful lesson in Puerto Rico’s 2017 hurricane devastation

By Max Jangho By 
Globe Correspondent, October 13, 2019, 5:00 p.m.

Microgrids could bring green energy and savings to Chinatown

By Yian Zheng
2019/03/11
Boston

Chinese Progressive Association community organizer Baolian Huang spoke about microgrid benefits at CPA’s 28 Ash Street headquarters on Feb. 28, while Mark Liu looks on. (Image courtesy of Yian Zheng.)
RUN-GJC Chinatown Boston Microgrid

Cloud-Based Control Platform

KEY
1 = Apartment Building
2 = Community Shared Solar
3 = School / Community Health Center / Emergency Shelter
Opportunities.

- Energy efficiency advancement
- New, local green-collar jobs
- Grid modernization + GHG redux
- Address environmental injustice
- Prosper-in-place resilience
Lesson 1: Communication.
Other Lessons Learned.
Thank you!

Questions?
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Surviving a Catastrophic Power Outage
How to Strengthen the Capabilities of the Nation
December 2018
Turning Up the Heat:
Climate Resilience & Community Engagement
What We Need Now: Boston’s Cultural Institutions and Our Climate-Changed Future

Amy Longsworth, Director, Boston Green Ribbon Commission
Convene leaders from Boston’s key sectors to support the outcomes of the City’s Climate Action Plan