

75 Bay State Road
Boston, MA 02215
(617) 358-8080
www.bu.edu/ioc
@BUonCities
Klusk@bu.edu

City-Level Engagement

Katharine Lusk

City Climate Action Profile – At a Glance

Consider: What is the maturity level of cities progressing towards climate action? How committed have they been? How committed are they now?

	Boston	Baltimore	Indianapolis	Los Angeles	Salt Lake City	San Francisco	Washington D.C.
Mayor	Walsh (2014)	Pugh (2016)	Hogsett (2016)	Garcetti (2013)	Biskupski (2016)	Lee (2011)	Bowser (2015)
Reported Emissions mtCO₂e (Yr reported)	6.07 million (2014)*	7.58 million (2010)*	2.16 million (2013)*	29 million (2013)*	4.75 million (2009)**	4.4 million (2015)**	7.34 million (2013)*
Emissions Reduction Target (baseline year)	Carbon Neutral by 2050 <i>as of Jan '17</i>	15% ↓ by 2020 (2010)	Carbon Neutral by 2050 <i>as of Sept '17</i>	80% ↓ by 2050 (1990)	80% ↓ by 2050 (2005)	80% ↓ by 2050 (1990)	80% ↓ by 2050 (2006)
GHG Inventory protocol	GPC	US Community Protocol	Hestia	GPC	IEAP	GPC	GPC
Climate Action Plans	2007, 2011, 2014, 2017 (coming soon)	2009, 2012, 2017 (coming soon)	None published	2015	2015	2013	2011
Networks	C40, CNCA, CoM, ICLEI	CoM, ICLEI	Great Lakes Climate Adaptation Network	C40, CoM, ICLEI	Mountain Accord, ICLEI, CoM	C40, CNCA, CoM, ICLEI	C40, CNCA, CoM, ICLEI

Source: *CDP Open Data Portal ** City Official Website

Forging City/Scientist Collaborations

1. Who do you want/need to work with?
2. What are you offering that they need?
3. What do you need from them?
4. On what timeline?
5. With what resources?

Cultural Differences: Cities vs. Academics

City Hall culture differs dramatically from academic culture. As you initiate relationships with municipal stakeholders, keep in mind:

- **They are relationship-oriented:** Aim for face to face meetings. Don't get technical via email or phone, if you can avoid it. If you don't get a reply to an email, try calling.
- **They are resource-constrained and time-starved:** Keep documents brief and conversations focused
- **Their bosses are politicians who want to get reelected.**
 - Keep positive “announceables” in mind.
 - Try not to surprise them with public data releases that make them look bad.
 - Focus on near-term achievable goals or challenges.
- **They and their activities are to some degree oriented around political cycles:** E.g. First 100 days, annual State of the City address, Reelection.
- **They may or may not have deep subject matter expertise:** Like any government, you will find career civil servants and political appointees. You will rarely find PhDs.
- **They are chiefly motivated by a few things:** Helping people, saving money, making their jobs easier, helping the Mayor deliver on his/her promises

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Boston Region: Stakeholder Mapping

Government	Researchers/ Scientists	Business/ Employers	Civic Orgs	Utilities	The Media
NE Region: - Regional Greenhouse Gas Initiative (RGGI) Commonwealth of MA: - Executive Office of Energy & Environmental Affairs (Matthew Beaton*) - MassDPU - Dept Conservation & Recreation (DCR) - Dept of Environmental Protection (DEP) - MA Legislature - MBTA - MASSPORT Boston Region MPO - MAPC - CTPS City of Boston - DOIT - BTD - BPDA - DPW - Environment, Energy, Open Space Cabinet (Austin Blackmon*) - Environment (Carl Spector)	Emissions - BU - Harvard - UMass Boston - MIT - NEU Public Health - BU - Tufts-CAFEH - Harvard Energy - BU Institute for Sustainable Energy	Academic Institutions - BU* - Harvard* - NEU* - MIT* Real Estate/Development - Boston Properties* - Suffolk Construction* - Turner Construction* Engineering - ARUP - AECOM Hospitals - Partners Healthcare* - Boston Medical Center*	Boston Green Ribbon Commission (John Cleveland) Foundations - Barr* (Mariella Puerto, Climate) - Grantham* - Leventhal* - Conservation Law Foundation Nonprofits/NGOs - Ceres* - Clean Water Action - MA Sierra Club - Acadia Center - Advanced Energy Economy - Environmental Defense Fund Boston Office - A Better City - New England Clean Energy Council - Union of Concerned Scientists - Mass Energy Consumers Alliance - Community Labor United - Green Justice Coalition	- Eversource* - National Grid* - Veolia - Boston Water & Sewer Commission	- The Boston Globe - The Conversation - Governing - Next City - Citylab
*Member of the Boston Green Ribbon Commission BOLD: Priority Engagement for Project Team					

Boston Region: Stakeholder Mapping

N.E. REGION

Regional Greenhouse Gas Initiative (RGGI)
 CT, DE, ME, MD, MA, NH, NY, RI, VT

STATE

Commonwealth of Massachusetts

MASSPORT

MASSDOT

MBTA

Exec Office: Energy & Environment*

Environmental Protection

DCR

MA Legislature

Researchers
 (E.g., Academics, SMEs*)

CITY REGION

Boston Region Metropolitan Planning Organization
 (Metropolitan Area Planning Council, Central Transportation Planning)

Networks
 (E.g., C40, CNCA, Metro Mayors)

CITY

City of Boston

City Council

Environment*

Energy*

DPW

Transportation

Planning

Innovation & Technology

Boston Green Ribbon Commission

LOCAL ENTITIES

Employers
 (Universities*, Hospitals*, Private sector*)

Developers*

Utilities*

Civil Society*
 (E.g. Foundations, Community groups)

CONSTITUENTS

Residents & Commuters




*Member Boston Green Ribbon Commission

Boston Region: Stakeholder Mapping

Stakeholder	Roles/ Responsibilities	Data Needs	Contact
	E.g. Regulator, Monitor, Emitter, Advisor, Funder		

Forging City/University Collaborations

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Value to “Cities”: Hypotheses

Value of harmonized, standardized, publically available data sets, including hourly nationalized CO2 emissions at the 1KM scale, as well as role of biological fluxes?

1. Retrospective: Assessment of economic/social values of reduction efforts
2. Diagnostic & Prognostic: Mitigation guidance - estimated impacts, prioritization and cost/benefit
3. Trend Detection
4. Policy relevant timescales
5. Evaluation of Scope 1 Inventory
6. Hot spots/attribution – bias & knowledge gaps
7. Value of Carbon Sinks