

Resilience Planning Questions



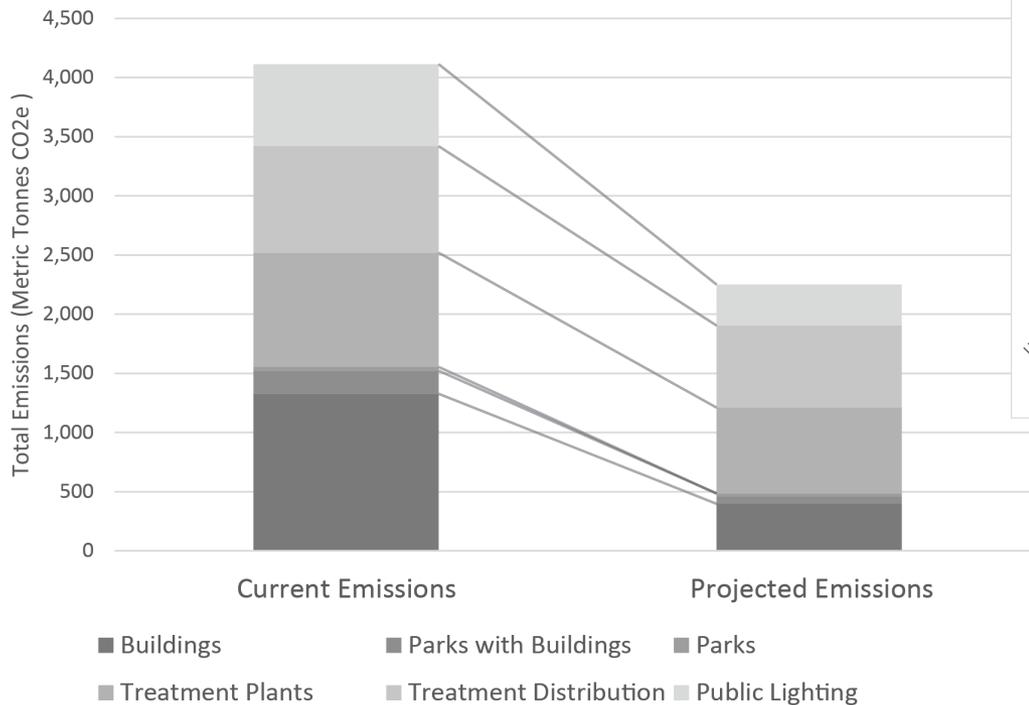
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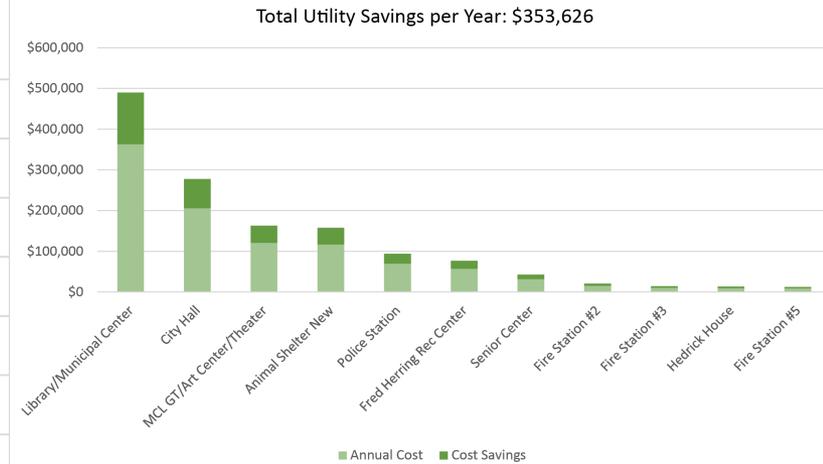
Thursday, January 21st, 2016

How Can We Best Understand Portfolios of Buildings?

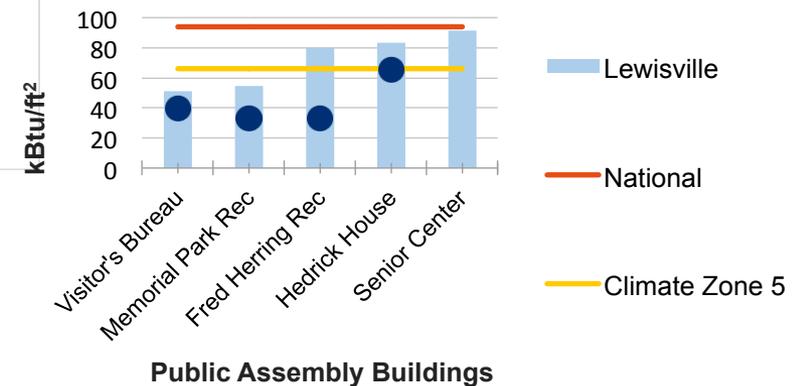
Projected Annual Emissions Savings by Sector
(Metric Tonnes CO₂e)



Potential Annual Utility Cost Savings from Building Retrofits



Comparison of Public Assembly Buildings Energy Use Intensity (EUI)



Portfolio Analysis of Energy Use in Municipal Buildings

How Can We Best Understand Portfolios of Buildings?

Do we need to use benchmarks?

(Do we need to *define* benchmarks?)

Do we need to look at aggregated data?

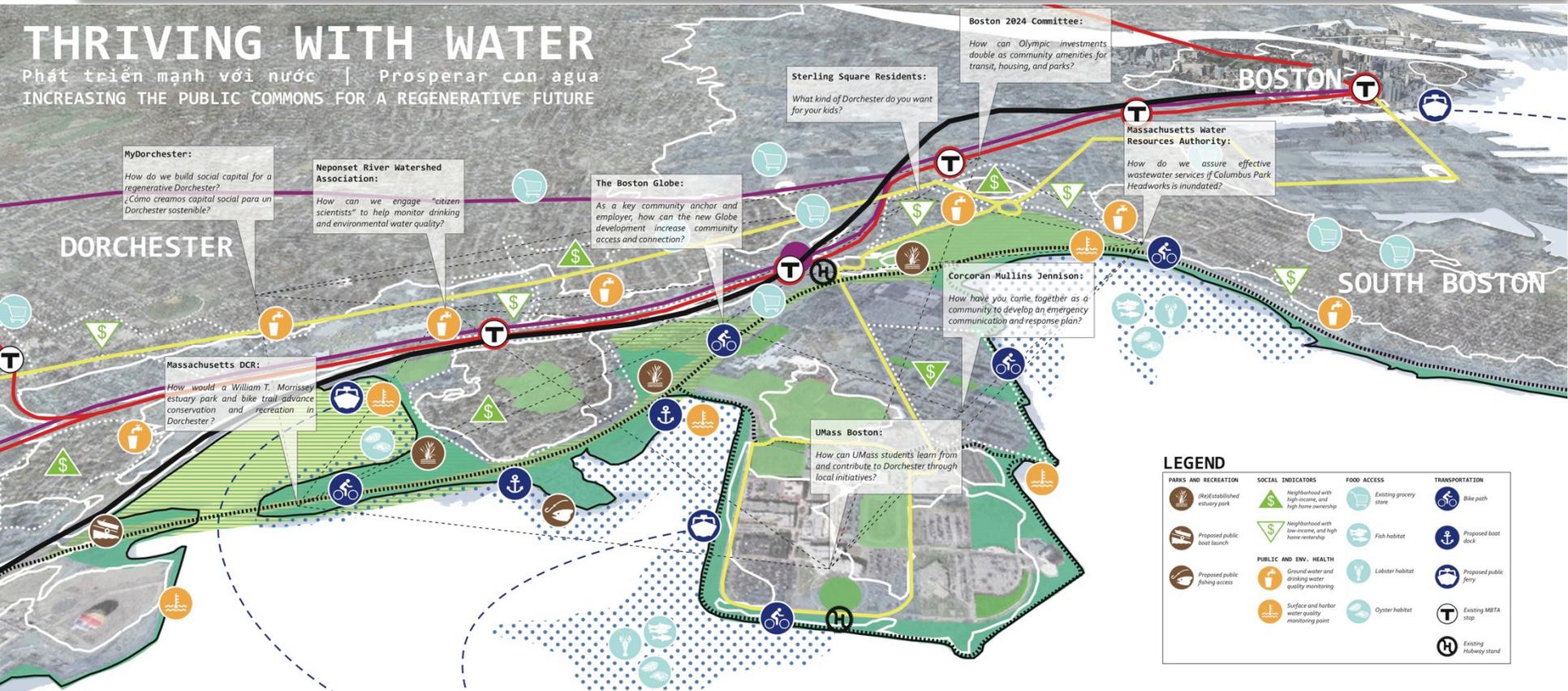
Aggregated over time or over locations

Is performance of the portfolio is MUCH more important than performance of any single facility?

What is Most Important?

THRIVING WITH WATER

Phát triển mạnh với nước | Prosperar con agua
INCREASING THE PUBLIC COMMONS FOR A REGENERATIVE FUTURE



LEGEND

PARKS AND RECREATION	SOCIAL INDICATORS	FOOD ACCESS	TRANSPORTATION
Established estuary park	Neighborhood with high-income, and high home ownership	Existing grocery store	Bike path
Proposed public boat launch	Neighborhood with low-income, and high home ownership	Fish habitat	Proposed boat dock
Proposed public fishing access	Ground water and drinking water quality monitoring	Lobster habitat	Proposed public ferry
	Surface and harbor water quality monitoring point	Oyster habitat	Existing MBTA stop
			Existing highway stand

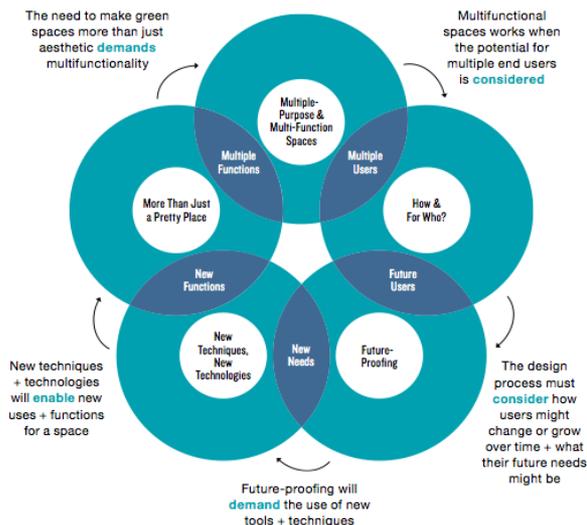
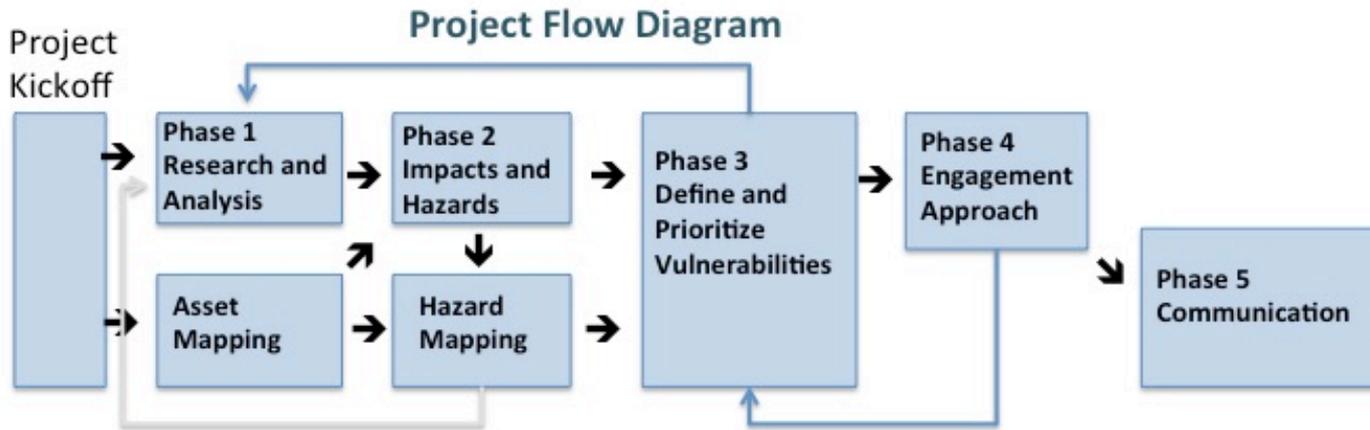
What is Most Important?

What places, facilities, or activities are the highest priorities?

Some choices are obvious, some are harder to discern.

How can we define priorities in ways that are understandable, repeatable, and defensible?

What Methodologies are the Best?



What Methodologies are the Best?

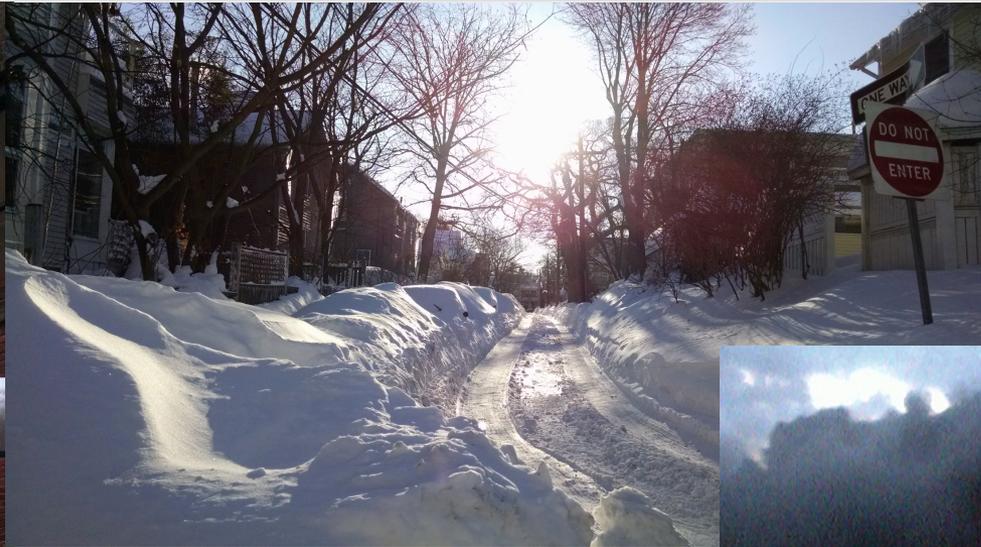
Are methodologies based on stakeholder input critical to success?

This is the current thinking.

Should methodologies be standardized across all asset types and locations?

While standardization helps with comparability, what actually needs to be compared to what?

What Could Go Wrong?



What Could Go Wrong?

Are we prepared for cascading failures?

Most big problems are accompanied by other big problems.

Have we thought through important assets that are located together?

How are we preparing for chronic problems?



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