Sustainable Real Estate Development

- Leadership
- Transformation
- Innovation
- Vision Moving to Net Positive



"Buildings and communities will regenerate and sustain the health and vitality of all life within a generation"

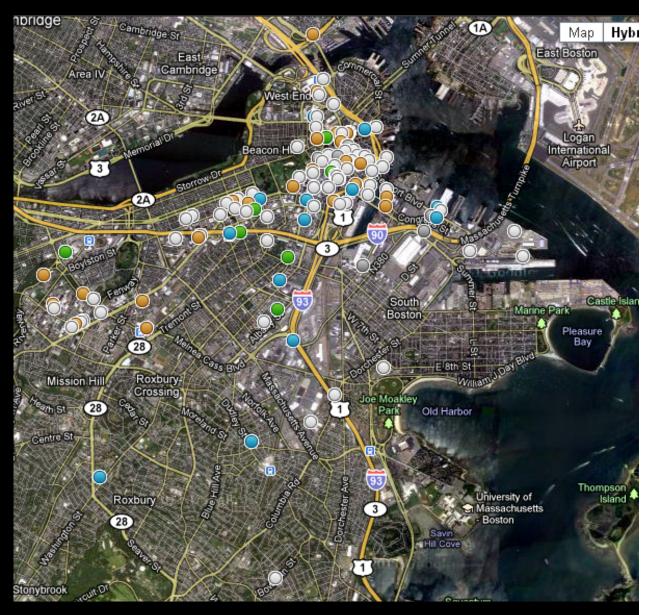
Boston Green Building Zoning – Today

Massachusetts is 5th in the Nation for LEED Buildings

USGBC LEED Certified 233+ Buildings & Projects 59.7 M+ Square Feet 6% Platinum 51% Gold 27% Silver 14% Certified Projects

USGBC LEED Registered 100's Projects

USGBC: GBIG.org Excludes LEED H and ND



E+ Green Buildings



Platinum Marcella St, Roxbury Completed Fall 2013



E+ Green Buildings



TOTAL ELECTRICITY PRODUCTION



8,140 kWh Energy Positive

Crembue

Sensing & Control in Every Room

Sign up for product updates:





BUILDING DASHBOARD

Corembue

Welcome to the City of Boston's E+ Green Building Program. Over the course of a year an energy positive building (i.e. E+) will produce more electricity than it consumes. This is achieved through innovative design, a well-constructed building envelope, and use of high-efficiency windows and heating/cooling systems. Rooftop solar panels and solar thermal water heaters provide electricity and hot water for building occupants.

PERFORMANCE MONITORING

Through a grant from the Massachusetts Clean Energy Center, Embue has installed its sensors and systems in these innovative buildings. For the next three years Embue will track electricity consumption, production, and occupant comfort in each of these model homes. Performance information for each building is provided for the public and can be found in the sections below.

MARCELLA STREET

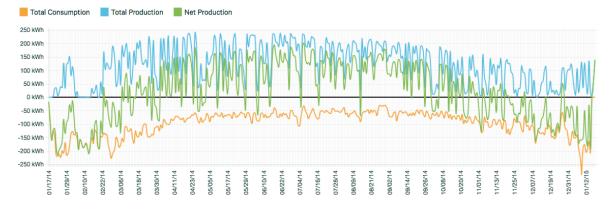


A four-unit multifamily townhouse building totalling 7,900 square feet. Predicted annual electricity production of 44,400 kWh, consumption of 36,900 kWh, net electricity production of	Lifetime	8,140 kWh
	Year to Date	-1,409 kWh
12,600 kWh.	Last 30 Days	-2,360 kWh

Photo credit Sam Oberter.

DAILY PRODUCTION & CONSUMPTION

This chart provides daily whole-building performance data for Marcella Street. On days when the green line is above zero, the building is energy positive for that day. For privacy reasons, the most recent two weeks of data are not displayed.



E+ Green Communities



E+ Green Communities

Proposed



E+ Green Communities

Proposed



E+ Green Buildings – Public Leadership

Public / Net Zero Energy - Completed Cronin Field Headquarters, Westborough (completed) Massachusetts Division of Fisheries & Wildlife / Architerra



E+ Green Buildings – Institutional Market Impact

Private E+ / Net Zero Energy Projects - Permitted Artists for Humanity Addition, Boston (proposed) AfH Boston / BEHNISCH Architekten

