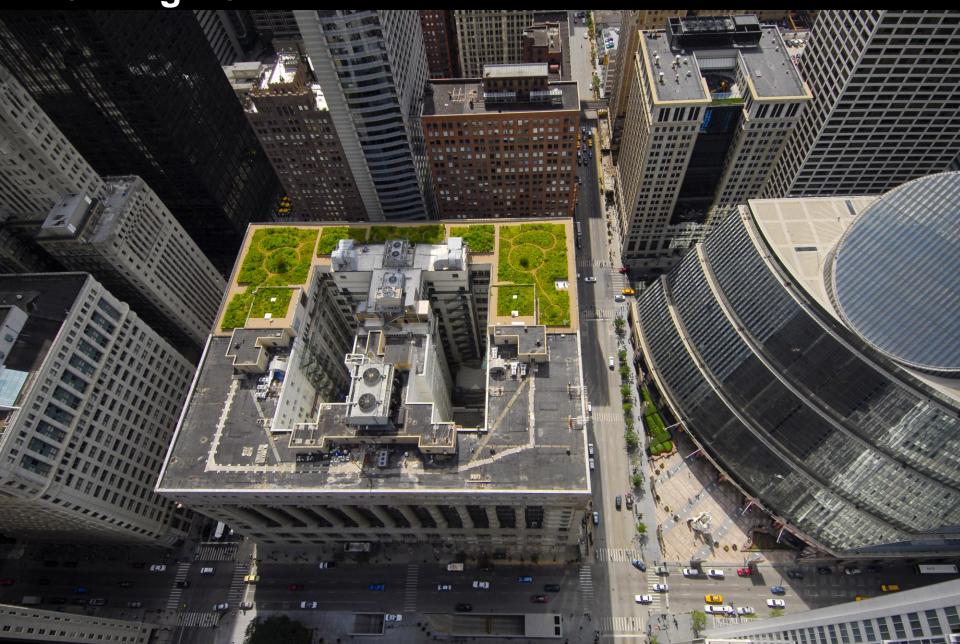
Chicago Green Roof Initiative



Sustainable Development Policy



Stormwater Ordinance









Green Roof Grant Program





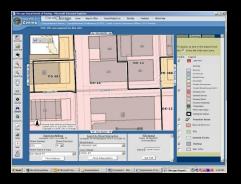
Green Roof Improvement Fund (GRIF TIF)





Before After

Density Bonus





The One. For Efficiency.

More Information



The One. For Views.

More Information



The One. For Convenience.

More Information



The One. For Location.

More Information



The One. For Technology.

More Information



The One. For All.

Ownership DIFA

Developer The John Buck Company

Architect Lohan Caprile Goettsch

General Contractor Bovis Lend Lease

Structural Engineer
Magnusson Klemencic Associates



Photos (300KB)

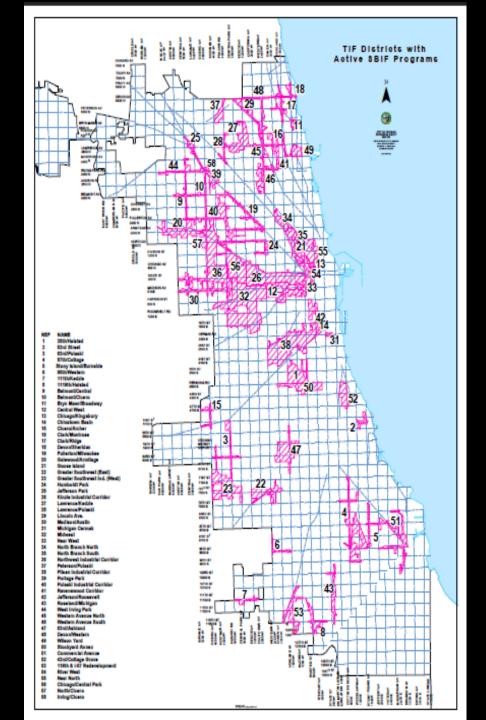
Brochure PDF (100KB)

Contact Us

Lease Availabilities



Small Business Improvement Fund (SBIF)



Open Space Impact Fee Credit



Green Permitting Program



DOB Green Permit Program Green Menu Items

The DOB Green Permit Program allows applicants to incorporate a number of green building strategies and technologies from a select group of menu items in order to expedite the process timeline.

Design professionals can incorporate environmentally friendly and energy-efficient items into their projects from the Green Menu below.



Green Menu Items

Exceptional Energy Performance

- Energy efficiency provides long-term financial savings to the owner, reduces strain on energy supply infrastructure, and reduces carbon dioxide emissions.
- For LEED projects, earn a minimum of 4 points under EAc1, Optimize Energy Performance.
- For Chicago Green Homes projects, earn a minimum of 200 points within the Energy Efficiency category.

Green Roofs

- Green roofs or rooftop gardens reduce storm water runoff, help reduce the urban heat island effect, improve air quality and conserve energy.
- Provide a vegetated rooftop system for a portion of the roof built in accordance with standards for planned developments.





Chicago Greenhouse Gas Emissions and Reduction Goals:

 25 percent reduction from 1990 levels by 2020

2000 Chicago Greenhouse Gas Emissions

34.6 MMTCO₂e





OF CLIMATE CHARGE

ENERGY EFFICIENT BUILDINGS

8 ACTIONS

CLEAN & RENEWABLE ENERGY SOURCES
5 ACTIONS

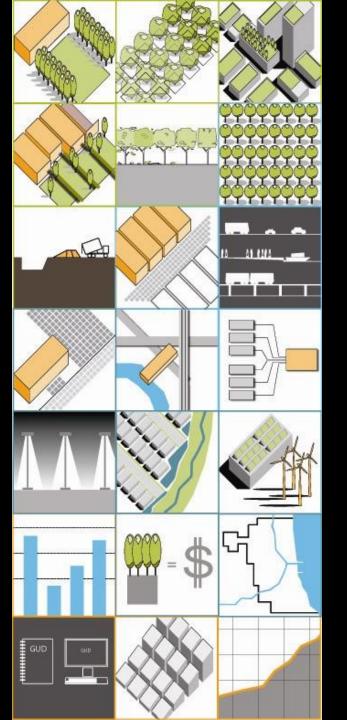
IMPROVED TRANSPORTATION OPTIONS
10 ACTIONS

REDUCED WASTE &
INDUSTRIAL POLLUTION
3 ACTIONS

PREPARATION
9 ACTIONS

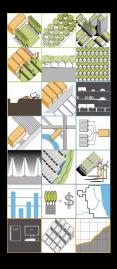
35 WAYS

TO ENSURE A RESILIENT CITY



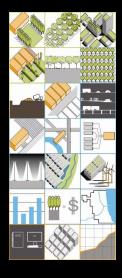
ADDING GREEN TO URBAN DESIGN

A CITY FOR US AND FUTURE GENERATIONS



GOAL:

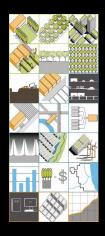
 Maintain and improve upon Chicago's urban design to optimize its environmental benefits for current and future generations



GOAL:

All exterior surfaces including roofs, facades, landscapes and roadways

 Maintain and improve upon Chicago's urban design to optimize its environmental benefits for current and future generations



OBJECTIVES:

LIFE

Maintain and improve upon Chicago's urban design to optimize its environmental benefits for current and future generations

> Preserve, expand and improve the quality and **LAND**

> > function of the vegetated surfaces

Capture, clean and use precipitation and encourage WATER

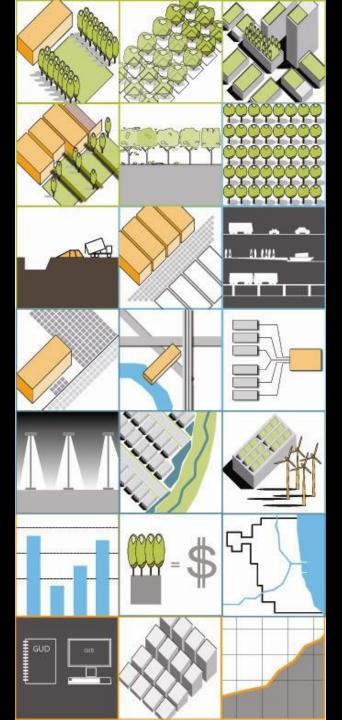
water conservation

Contribute towards improved air quality **AIR**

QUALIT Improve safety, public health, and economic Y OF

development and engage people in the

outdoors environment



21 Key Strategies

- Increase green roof requirements in the Sustainable Development Policy
- Sustainable landscape standards for all public landscapes
- Urban forest agenda
- Context-based design guidelines
- Multi-year implementation plan

Green Roof Assessment & Analysis



Green Roof Assessment & Analysis



Green Roof Assessment and Analysis



Results of Assessment and Analysis

Total Number of Green Roofs

Total Square Footage of Green Roofs

5,469,463 ft²

Average Size of Green Roofs

Median Size of Green Roofs

5,234 ft²





Results of Assessment and Analysis

Ratio Required Roofs to Elective Roofs

Total Required by Sustainable Development Policy

Total Required by Stormwater Ordinance

Total Required by Green Permitting Program

17 (5%)

Total Elective Vegetated Roofs

297:62

294 (82%)

17 (5%)

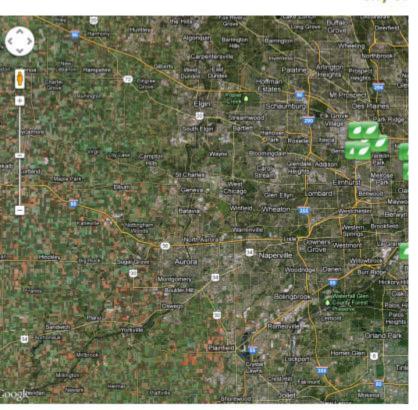






Google Map

City of



If you'd like to submit the location of a

Vegetated Roof Factsheet

Vegetated Roof Assessment for Parcel ID: N/A

Address: 4449 N BROADWAY STREET



Location Overview Map



Image Date: August 01, 2010

Total Roof sq. ft: 94,241

Vegetated Roof sq. ft: 58,788.00

% Vegetated Roof sq. ft: 62.4

Vegetation Health:

Relative NDVI

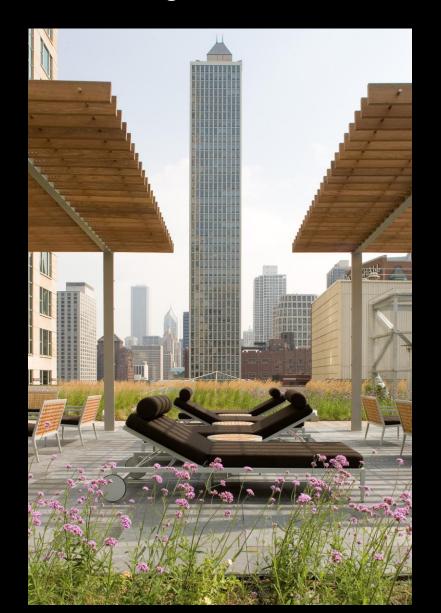
144.2

Relative NDVI — The Normalized Difference Vegetation Index (NDVI) is a normalized ratio between the reflected near-infrared wavelengths and the reflected visible red wavelengths. Higher values indicate healthier vegetation. These values are termed "relative" because they are only comparable within this project, and not to NDVI values calculated in other projects.



Environmental Benefits of 5,469,463 ft² of green roofs

- 21 metric tons of carbon mitigated per year
- 124,000,000 gallons of stormwater absorbed per year





Michael Berkshire
Department of Housing and Economic Development
Sustainable Development Division
312.744.0363

michael.berkshire@cityofchicago.org