What’s a green neighborhood?

integrating natural systems into the design of mixed-income communities
Healthy – Affordable – In Step with Nature
Qualities

• Better Performance
  – Energy, Water and Waste

• Healthier Places
  – Landscape, Sense of Place, Choice

• Greater Value
  – the Individual, the Community, the Marketplace
Energy
Reduce Demand and Shift to Green Power

- Fossil-Fuel Energy
- Green Buildings and Neighborhoods
- Renewable Energy (solar, wind, geothermal, etc)

Energy Use

Today 2025

Years
Energy
Improve Efficiency

Stephen Epler Hall, Portland
State University
Energy
Improve Efficiency

42,923 kbtu/yr

21,808 kbtu/yr

49% less energy
Energy
Improve Efficiency

Adam Joseph Lewis Center for Environmental Studies, Oberlin College
Water
Reduce Demand and Preserve Water Quality

Before Development

Today: recycle, retain, and treat on-site
Water
Reduce Demand and Preserve Water Quality

Bioswale Street,
High Point,
Seattle, WA
Water

Reduce Demand and Preserve Water Quality

Stephen Epler Hall, Portland
State University
Water
Reduce Demand and Preserve Water Quality

7,990 gal/yr
5,808 gal/yr

27% less water
Waste
Reclaim and Reuse

Recycling Household Goods

Recycling Buildings
Waste
Reclaim and Reuse

High Point,
Seattle, WA
Waste
Reclaim and Reuse

scrapHOUSE, San Francisco, CA

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Landscape
Build with Natural Features

We can erase natural features...

Or enhance them.
Landscape
Build with Natural Features

The stream valley is filled with a wide range of development activity, such as housing, infrastructure upgrades, and stream restoration to name a few. Together, these projects provide the opportunity to unite common interests and share resources. To capitalize on the abundant energy being applied to the stream valley, city agencies, community interests, and non-profit groups should develop dedicated channels for communication and coordination of projects, and strive for strategic and efficient use of resources.

Green Neighborhood / Green Watershed Strategy, Watts Stream Branch, Washington DC
Landscape
Build with Natural Features

Nannie Helen Burroughs Ave.,
Watts Stream Branch, Washington DC

Courtesy
Casey Trees, UVA
School of Architecture
Landscape
Build with Natural Features

42nd St. & Hunt Place, Watts Stream Branch, Washington DC

Courtesy Casey Trees, UVA School of Architecture
Sense of Place

Create Community

Union Square, New York City, NY

© www.urban75.org
Sense of Place
Create a Center

Pocket Park,
New York, NY
Sense of Place
Build to a Human Scale

Scale in the Natural Landscape
Sense of Place
Build to a Human Scale

Scale in the Built Landscape
Sense of Place
Build to a Human Scale

Community Plaza Space,
Amsterdam, Netherlands
Choice
Offer Diverse Housing and Transportation Options
Choice
Offer Diverse Housing and Transportation Options

Maverick Landing,
Boston, MA

Courtesy of Boston Housing Authority
Choice
Offer Diverse Housing and Transportation Options

Pearl District,
Portland, OR
Choice
Offer Healthy Living Spaces

“Breathe Easy” Homes, High Point, Seattle, WA
Greater Value
To the Individual

- Greater Choice and Amenities
- Lower Utility Costs
- Better Indoor Air Quality
- Greater long-term value
Greater Value
To the Community

• Safer Streets
• Spaces for Gathering / Activity
• More Reliable Infrastructure (fewer failures)
• Fewer Costly System Upgrades
Greater Value
To the Marketplace

• Higher Initial Quality & Sales Price
• Market Differentiation
• Less Exposure to Rising Materials and Energy Costs
• New Sources of Income (micro-utilities, clean technology)
Greater Value

New Columbia, Portland, OR
Greater Value

Dockside Green, Victoria, BC
Greater Value
Rewarding Good Behavior

Transform lifecycle savings into capital

$ cost