SAVING THE WORLD THROUGH ZONING: SUSTAINABLE COMMUNITY DEVELOPMENT CODE REFORM Presented By: Christopher Duerksen cduerksen@clarionassociates.com 303-830-2890 C L A R I O N Copyright 0 2006 by the Rody Mourtain Land Use Instant. All Rights Reserved. "Sustainable Community Development Code" are instainable Community Development Code are instantable Cod



What is a Sustainable Community? "Then I say the earth belongs to each generation during its course, fully and in its own right, [but] no generation can contract debts greater than can be paid during the course of its own existence." - Thomas Jefferson (1789)

Sustainable Communities...

meet the needs of the present while ensuring that future generations have the same or better opportunities. *Brundtland Commission* 1987



SUSTAINABLE COMMUNITIES ARE ABOUT PRESERVING CHOICES— ENVIRONMENTAL, ECONOMIC, AND SOCIAL

AMERICA'S BABY BOOMERS = THE SKI GENERATION SKI = SPENDING the KID'S INHERITANCE







WHY DO DEVELOPMENT PATTERNS AND CODES MATTER?? • 100 MILLION MORE OF US BY 2043!! • 50-70 MILLION NEW HOUSING UNITS • BUT NEXT ECONOMY NOT BASED PRIMARILY ON HOUSING

How Can a Development Code Support Sustainability?

- Development codes CAN help address critical issues:
 - CLIMATE CHANGE/CARBON EMISSIONS
 - RENEWABLE ENERGY
 - FOOD SUPPLY
 - HEALTH
 - NATURAL RESOURCE CONSERVATION
 - MOBILITY
 - HOUSING CHOICES
 - AND OTHERS



THINK GLOBALLY... ACT LOCALLY

- DON'T WAIT:
 - Mandatory elements in comp plans
 - States preempting/suing local govts.
 - Federal laws...GHGs; ESA; MBA, MS4
 - Save money
 - Adaptation alternative is expensive and uncertain



KEY FEATURES OF A SUSTAINABLE CODE?

- Covers new topics: energy, health, food security, climate change, recycling—and relationships among them
- Not just reactive or prescriptive: removes barriers, creates incentives
- Balances environment, economics, social aspects of development
- Tailored regionally to climate and ecology...Design With Nature.



THINK B-I-G!! BARRIERS Remove barriers to alternative energy systems INCENTIVES Offer expedited permitting for green building projects (e.g., green roofs)

> Fill regulatory gaps ~ tree protection standards; water-efficient landscaping

Sustainable Code: Energy Conservation/Alternative Energy • Remove Barriers --Allow alternative energy systems by right and clothes lines --Fine-tune non-conformin use/building regs to allow "green" renovations --Promote mixed-use and transit-oriented development



Sustainable Code: Energy Conservation/Alternative Energy

Create Incentives

- Standardized solar permit regs
- Green building expedited permitting (Miami-Dade County)
- Density bonus for green roof (Portland)
- Reduced vehicle parking for enhanced bike facilities

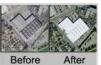




Sustainable Code: Energy Conservation/Alternative



- Fill Regulatory Gaps:
 - Enact solar access protection provisions
 - Require cool roofs
 - Add energy-saving standards to lighting code
 - Create priority parking for alternative fuel vehicles/ require charging stations





Sustainable Code: Green Infrastructure

• Remove Barriers

- Allow pervious pavement in parking lots
- Permit street-side swales to replace curb/gutter in low-traffic areas
- Provide flexibility in meeting parking requirements--count onstreet spaces, allow off-site parking within walking distance





Sustainable Code: Green Infrastructure

Create Incentives

 Grant density bonus and storm water management credit for green roofs



 Permit street-side swales to replace curb/gutter in low-traffic areas



Sustainable Code: Green Infrastructure

• Fill Regulatory Gaps

- Adopt standards requiring minimum % of parking lot to drain into landscaping
- Consider strengthening hillside/steep slope protection provisions





Sustainable Code: Housing Choices

Remove Barriers:

- Allow live/work units in commercial and office zones by right.
- Permit detached accessory dwelling units by right in residential zone districts
- Allow small and nonconforming lot development with contextual dimensional and compatibility standards





Sustainable Code: Housing Choices

Create Incentives:

- Offer density bonuses for projects with a mix of housing types and units
- Grant parking reductions for affordable multifamily projects





Sustainable Code: Housing Choices

- Fill Regulatory Gaps:
 - Enact affordable housing mitigation requirements (Denver)
 - Require mix of housing types or units in new developments (Chapel Hill, NC)





Sustainable Code: New Issues...New Mindsets

- Recycling
- Community Health and Safety
- Water Conservation











Sustainable Code Implementation: Low-Hanging Fruit Strategy Energy Conservation • Allow clothes lines • Require cool roofs Housing Choices • Allow live/work units in all commercial zone districts • Grant parking reductions for affordable housing Green Infrastructure • Give density bonuses and expedited permits for green roofs

Sustainable Code Implementation: Use Menus With Point Systems As A First Step As A First Step Associate A bridge large presents As A First Step Associate A bridge large presents As A First Step Associate A bridge large presents As A First Step Associate A bridge large presents As A First Step Associate A bridge large presents As Associate A Step A step Associate A bridge large presents As Associate A Step A step Associate A bridge large presents Associate A Step A step Associate A Bridge large presents Associate A Step A step Associate A Step A step

Addressing Costs & Benefits of Sustainable Codes • Strategy #1: Stress Focus on Removing Barriers/ Creating Incentives • Strategy #2: Demonstrate Site First Cost Savings • Strategy #3: Think Beyond the Site—Long-Term and Community Impacts



