Master Planning

Scale

- Region, Metropolis, City and Town
- Neighborhood, District and Campus
- Block, Street, Building
Region

- Smart Growth
  - Not No Growth
- New Urbanism
  - Not Anti-Suburban
- Community Master Planning
  - Not Dictating Where or How to Live
Failure

Preserve and Reserve 10% Urbanization Approach

Hypersprawl
Success

Decreasing Per Capita Impacts

[Diagram showing different urban zones and their impacts]
Infrastructure & Buildings

- Suburban (4 DU/acre, limited commercial uses):
  - Transportation: 53,000 lbs/capita
  - Buildings: 22,000 lbs/capita

- Urban (20 DU/acre, significant commercial uses):
  - Transportation: 22,000 lbs/capita
  - Buildings: 22,000 lbs/capita

Slide information from Criterion Planners
Think in new (and old) ways about infrastructure

Treat streets and transit as shapers of place
  ◦ Design networks to support walkability and desired block pattern
  ◦ Create a foundation for context sensitive design
  ◦ Address connectivity
  ◦ Plan for transit service
Infrastructure & Buildings

- Energy Use: 24%-50%
- CO₂ Emissions: 33%***-39%**
- Water Use: 40%**
- Solid Waste: 70%**

Green Buildings Can Reduce...

LEED–Neighborhood Development

- 3 Categories
  - Smart Location and Linkage
  - Neighborhood Pattern and Design
  - Green Infrastructure and Buildings

- Prerequisites and Credits
  - 8 Prerequisites
  - 51 Credits

- 110 Points Total
LEED–Neighborhood Development

Prerequisites

- Smart Location
- Imperiled Species and Ecological Communities
- Wetland and Water Body Conservation
- Agricultural Land Conservation
- Floodplain Avoidance
- Walkable Streets
- Compact Development
- Connected and Open Community
CHPS

- Program
  - Resolution and Policy
  - Bond Language
  - Guidelines

- Plans
  - Stormwater
  - Transportation
  - Grounds & Gardens

- Implementation
  - Integrated Curriculum
  - Buildings that Teach
CHPS
CMAA

- Professional
  - Maintain Understanding
  - Regulatory
  - Best Practices
  - Technology
- Owners Agent
  - Educating
  - Pros and Cons
  - Implementation Process
- Team Leader
  - Green Champion
What Can Be Done?
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