What is Green Infrastructure?

Gray vs. Green

Slow, Infiltrate, and Clean Stormwater
Reduce impervious surfaces
Promote infiltration
Types of Green Infrastructure

**Natural Green Infrastructure**
- Wetlands
- Floodplains
- Forests
- Stream Buffers

**Engineered Green Infrastructure**
- Bioswales
- Rain Gardens
- Permeable Pavements
- Green Roofs
Pioneer Projects 1990s-2011

- Green Roof - Atlanta City Hall
- Cistern & Green Roof - Southface
- Bioretention - Adair Park
- Bioretention - 14th St DWM office
- Bioswale - Fernbank Museum
- Porous Concrete - Felder St
- Pervious Pavers - English Park
- Wet pond, wetlands bench, sewer capacity relief, urban reforestation - Historic Fourth Ward
- Bioswale - Klaus Building - GT campus
Why Green Infrastructure in Atlanta?

- **Environmental Protection**
  - Improves water quality
  - Supports Mayor Reed’s sustainability initiatives

- **Compliance**
  - NPDES permit – Removing Barriers
  - Prepares the City for potential changes in federal stormwater rules
  - CSO Permits

- **Community**
  - Addresses drainage issues in redeveloping historic neighborhoods
  - Maximizes infrastructure investments by further reducing combined sewer overflows and flooding
Amended Stormwater Ordinance

Requires green infrastructure
1 inch Runoff Reduction

- New development and redevelopment
- Commercial
- Single-Family

Porous Concrete - Delia’s Chicken Sausage Stand

Bioswale - Edgewood Townhomes
Permeable Pavers, SE Atlanta
What’s Different?
Philadelphia Peer Exchange

Dept. of Watershed Mgt
Dept. of Public Works
Dept. of Parks & Rec
Dept. of Planning

November 2012

InvestAtlanta
Atlanta BeltLine, Inc.
Park Pride
The Conservation Fund
Next Steps

• Formalize Green Infrastructure (GI) Working Group

• Develop a City-wide Green Infrastructure Action & Implementation Plan

• Commitment to maximize GI in City projects at all stages
Green Infrastructure Task Force

CITY OF ATLANTA AGENCIES
Department of Watershed Management
Mayor’s Office of Sustainability
Department of Planning & Community Development
Department of Public Works
Department of Parks & Recreation
Department of Aviation

PARTNERS
American Rivers
Atlanta BeltLine, Inc.
The Conservation Fund
Invest Atlanta

American Rivers
Rivers Connect Us®

Atlanta BeltLine
Green Infrastructure Task Force

SILO BUSTERS
# Brown-bag Lunch Topics

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Green Infrastructure Strategic Action Plan Implementation

Actions:

• Project Implementation
• Policy, Funding, & Planning
• Partnering & Outreach
• Data Tracking & Technical Analysis
Action: Project Implementation

- CIP
- Complete Streets guidance
- Municipal Option Sales Tax (MOST) for stormwater
- TSPLOST, etc.
Action: Policy, Funding, & Planning

- Integration
- O&M Plan
- Code Revision
- Grants and Incentives
Action: Partnering & Outreach

- Public Involvement framework
- Advisory Committee
- Education resources
- Partnership “infrastructure”
Action: Data Tracking & Analysis

GREEN INFRASTRUCTURE GOAL:

225 Million Gallon Reduction of Runoff Annually
(Annual 1% reduction in volume of runoff from a 1” storm)

- Citywide tracking system
- Goals and benchmarks
- Monitoring