

What is an EcoDistrict

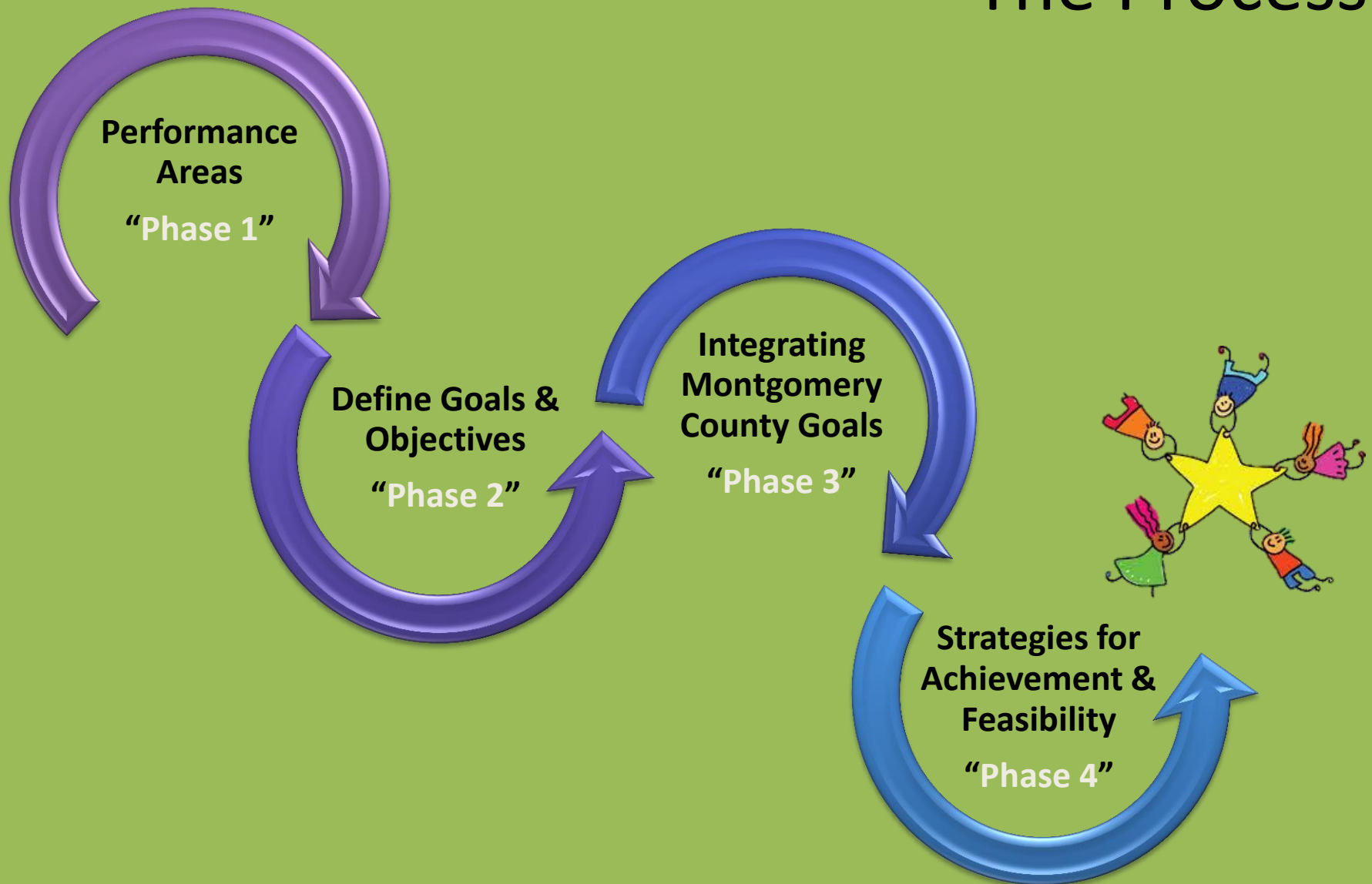
Roadmap to Sustainability

...A neighborhood, or redevelopment area, committed to advancing sustainability through *green building, smart infrastructure and behavior.*

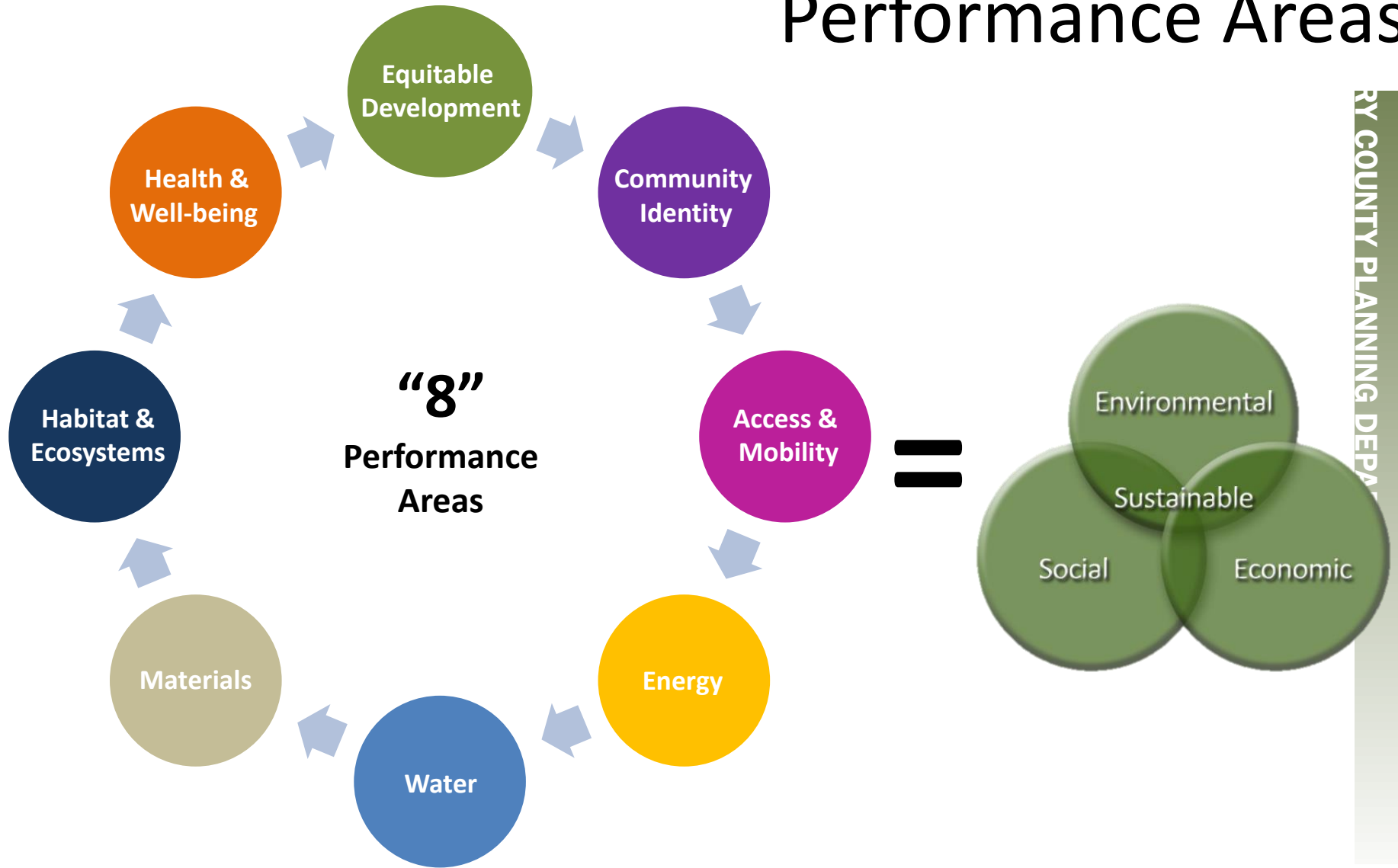
It provides a framework for setting goals, defining projects, engaging in collaborative efforts, and raises the bar for sustainable practices.



The Process



Phase 1: Performance Areas



“CONCEPT ONLY”

Phase 2: Defining Goals & Objectives



Goal: Create cohesive neighborhood identity

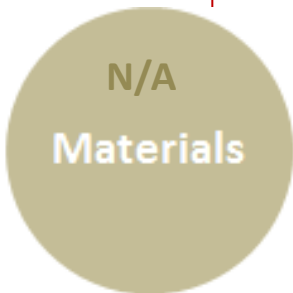
Potential Objectives:

- Create beautiful, accessible safe places
- Foster social networks

Goal: Diverse, multi-model, and affordable options

Potential Objectives:

- Mixed-uses
- Improved street access
- Reduce VMT
- Low & zero emission vehicles



Goal: Zero waste and optimized materials management

Potential Objectives:

- Eliminate waste. Maximize recycling
- Reduce virgin material & toxic chemical use
- Optimize reuse & salvage materials
- Capture residuals (composting/recycling)

“CONCEPT ONLY”**Phase 2: Defining
Goals & Objectives****Goal: Reliable & affordable water management****Potential Objectives:**

- Improve runoff quality
- Reduce runoff
- Reduce water consumption

Goal: Healthy urban ecosystems that protect & regenerate ecosystems**Potential Objectives:**

- Achieve healthy urban ecosystem
- Protect & enhance local watershed
- Native & diverse vegetation
- Habitat connectivity
- Ecofriendly urban areas

**Goal: Annual net zero energy usage****Potential Objectives:**

- Minimize demand
- District energy (property assemblage)
- Incentivize zero-energy buildings
- Use renewable energy



Goal: Promote equity and opportunity

Potential Objectives:

- Job creation
- Investment opportunities
- Mitigate housing/business displacement
- Ensure diverse stakeholder involvement

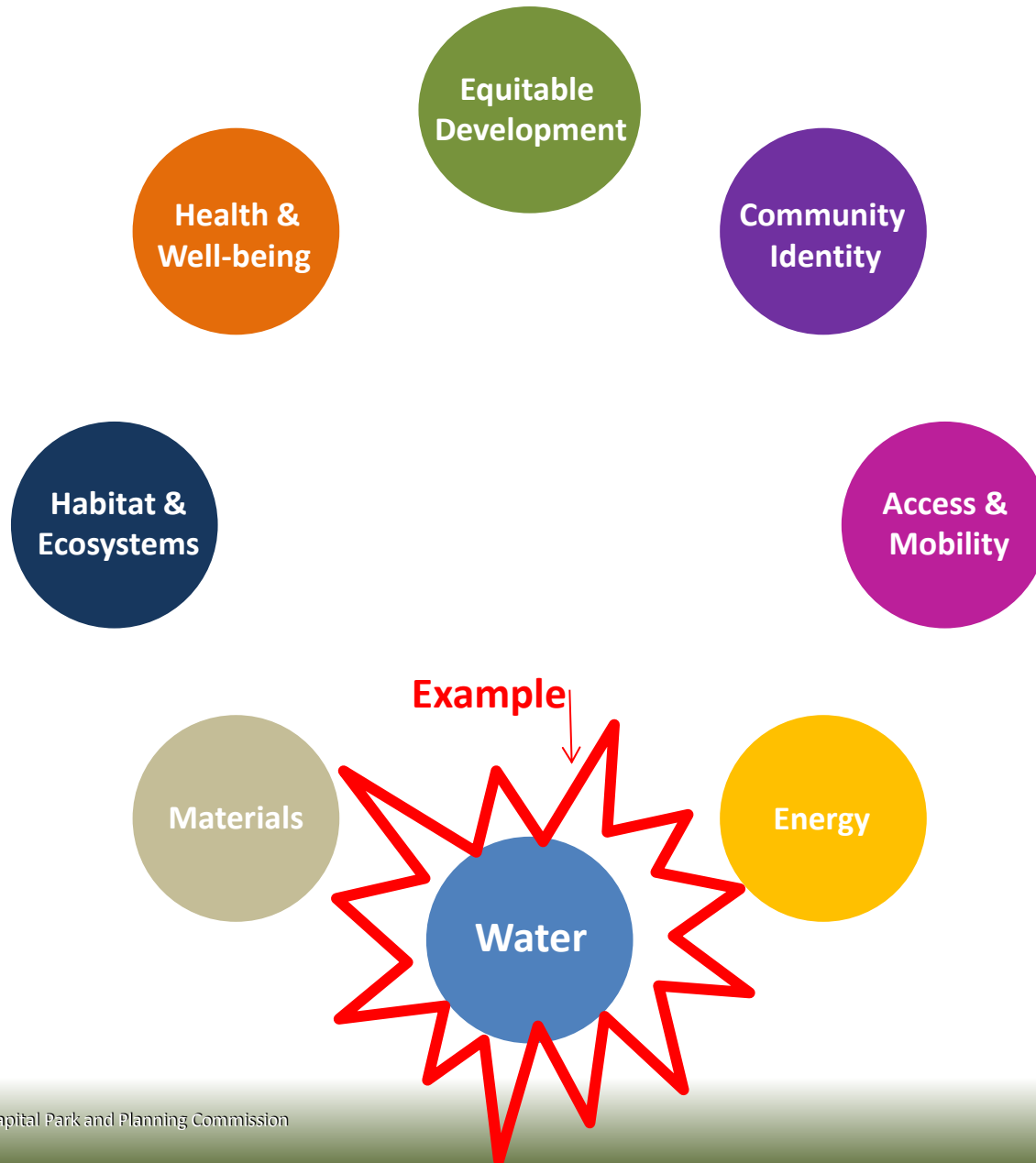


Goal: Promote human health and community wellness

Potential Objectives:

- Safe and functional recreation and natural areas
- Healthy, *local* and affordable food
- Healthy indoor and outdoor air quality

Performance Areas



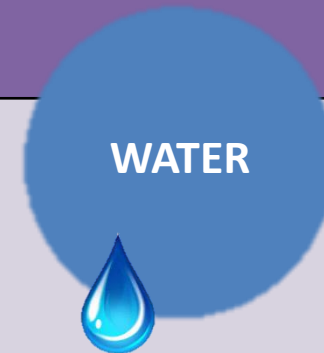
Performance Area: Water

GOAL: Meet both human and environmental needs through creating sustainable water systems

Set Targets to Meet Objectives

New Buildings (redevelopment)

- Increase use of non-potable water
- Increase Quantity of Green Roofs
- Reduce impervious cover
- Reduce flows to municipal stormwater system



District Wide

- Provide LID/ESD in underutilized areas (ROW/Public/Private)
- Reduce stormwater runoff to receiving streams
- Increase porous surfaces

Greenstreet retrofits (ROW)

- Increase ESD/LID stormwater management

Existing buildings

- Encourage SWM retrofits
- Increase quantity of green roofs
- Increase rainwater harvesting

Treating Stormwater while providing ecological benefits



Buildings that “Perform”





Onsite Water Treatment & Catchment

Tomorrows Towns & Cities



Multi-agency COLLABORATION

Community

- Bethesda Green
- BUP
- The Public

Local Agencies

- DOT
- DPS
- General Services
- DEP

Regional Agencies

- COG
- DC Planning
DC DEP
- Arlington
Planners
- Chamber of
Commerce
- Research Groups
- Economist
- County Council

Developer Community

- Housing
- Civic

