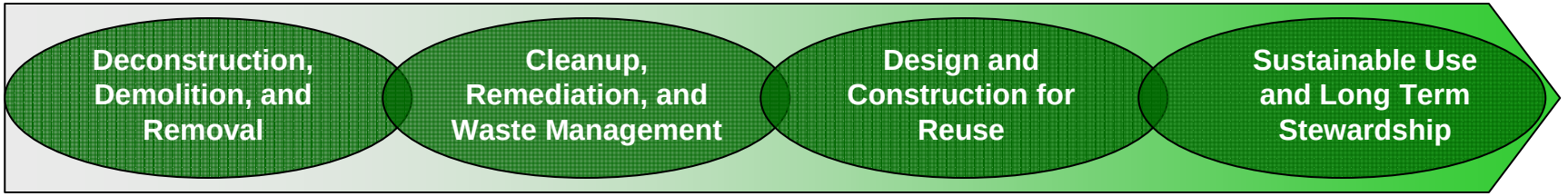
DRAFT (4/10/08)

Sustainable Land Revitalization

Opportunities to conserve resources, reduce impacts to the community, and reduce impacts on human health and the environment in order to maximize the benefits associated with a land revitalization project



- Reuse/recycle deconstruction and demolition materials
- Reuse materials on site whenever possible
- Consider future site use and reuse existing infrastructure
- Preserve/Reuse Historic Buildings
- Use clean diesel and low sulfur fuels in equipment and noise controls for power generation
- Retain native vegetation and soils, wherever possible
- Protect water resources from runoff and contamination

- Power machinery and equipment using clean fuels
- Use renewable energy sources, such as solar, wind, and methane to power remediation activities
- Improve energy efficiency of chosen remediation strategies
- Select remediation approaches, such as phytoremediation, that reduce resource use and impact on air, water, adjacent lands, and public health
- Employ remediation practices that can restore soil health and ecosystems and, in some cases, sequester carbon through soil amendments and vegetation

- Use Energy Star, LEED, and GreenScapes principles in both new and existing buildings
- Reduce environmental impact by reusing existing structures and recycling industrial materials
- Incorporate natural systems to manage stormwater, like green roofs, landscaped swales, and wetlands
- Incorporate Smart Growth principles that promote more balanced land uses, walkable neighborhoods, and open space
- Create ecological enhancements to promote biodiversity and provide wildlife habitat and recreation

- Reduce use of toxic materials in manufacturing, maintenance, and use of buildings and land
- Minimize waste generation, manage waste properly, and recycle materials used/generated
- Maintain engineering and institutional controls on site where waste is left in place
- Reduce water use by incorporating water efficient systems and use native vegetation to limit irrigation
- Maximize energy efficiency and increase use of renewable energy
- Take appropriate steps to prevent (re)contamination

Strategic Objectives Support

EPA ADMINISTRATOR'S ACTION PLAN

- **…[F]oster technological innovations to support the clean development of domestic energy resources (oil, gas, nuclear, coal, wind, and solar)**
- **Restore contaminated properties, including brownfields, to environmental and economic vitality**
- **Promote stewardship through increased resource conservation, including waste minimization and recycling**
- **Expand the use of biofuels and promote diesel emissions reductions through retrofit and other technologies**

OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE (OSWER) ACTION PLAN

- **Encourage the appropriate reuse and revitalization of brownfields, USTfields, Superfund sites, RCRA facilities, BRAC sites, and other federal properties**
- **Promote the reduction, reuse, and recycling of both municipal and industrial wastes**