



CITY OF CLEVELAND
Mayor Frank G. Jackson



OFFICE OF

SUSTAINABILITY



Triple Bottom Line

... Is a focused effort to improve profits, protect the planet, improve the quality of people's lives.



Program Goals

- Save the City of Cleveland money and reduce its ecological footprint
- Use sustainability principles as a tool for economic development
- Introduce sustainability principles into City government through education





Financial Accomplishments

- Grants & gifts received \$750,000+ ARRA funds
- Recycling:
 - Increased percentage over last 5 years and saves city money each year on landfill fees
- Energy:
 - Energy efficiency audits – identified \$2,600,000 in savings annually
 - Crown WTP realized \$105,000 natural gas cost savings annually
 - 1201 Lakeside \$32,000 in savings annually (lighting retrofit)
 - Solar hot water installation @ Engine House #20 has saved \$1,600

Energy and Energy Efficiency



Energy & Energy Efficiency

- ARRA Funding (EECBG)
- Solar Thermal Installations
- Wind Resource Monitoring
- Energy Efficiency Goal: 10% reduction in 3 years
- Biodiesel Pilot Project for Heavy Trucking Fleet



Climate Change

- Mayor Jackson signed the mayor's climate protection agreement. The City is committed to reducing green house gases emissions (GHG)
- Joined ICLEI in 2007 to establish our Carbon footprint
- Researching strategies to reduce our carbon footprint through:
 - Energy efficiency, carbon mitigation, and advanced & renewable energy projects





Green Building

PERCEPTION

REALITY



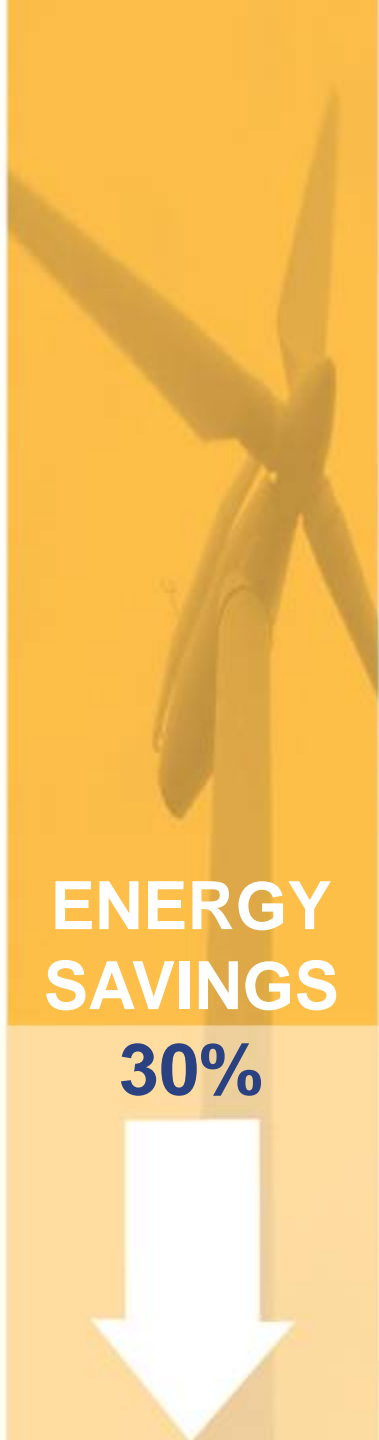
Bank of America Tower
at One Bryant Park
The Durst Organization
Cook+Fox Architects
New York NY
LEED-NC Registered



CLEVELAND
GREEN BUILDING
COALITION



Average Savings of Green Buildings



Source:
Capital E

Green Building Projects



- 3 LEED Neighborhoods
- Deconstruction Program
- Green Building Standards with public funding

Health & Environment

- Air Quality
- Water Quality
- Planning for Green
- Local Foods
- Transportation

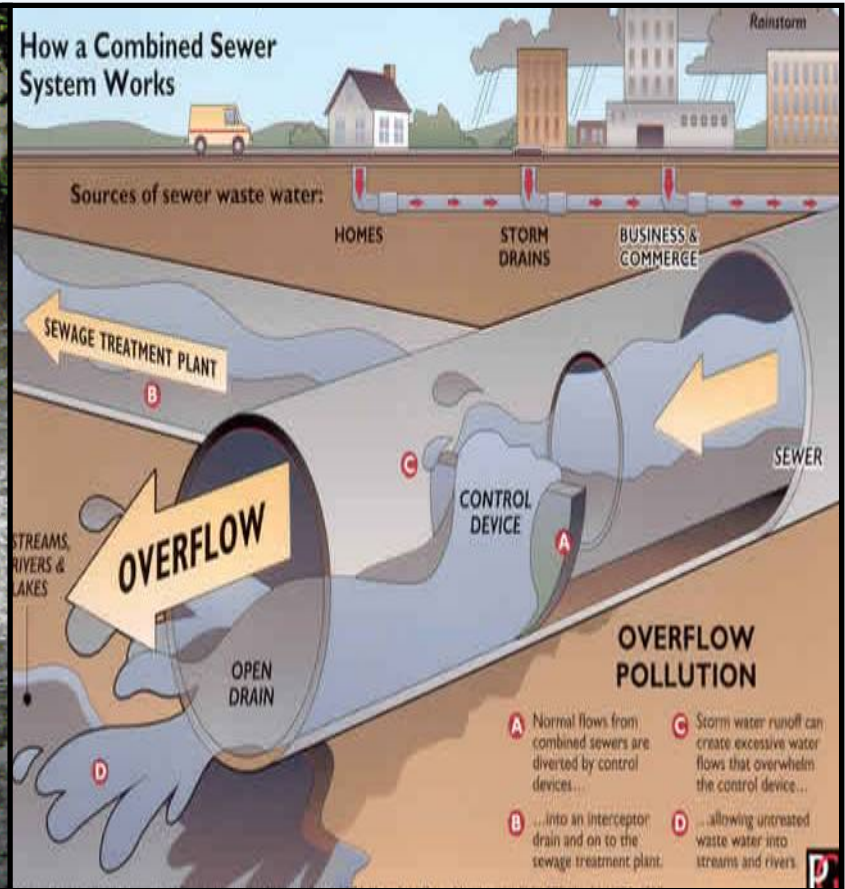


Air Quality



- Non-Attainment Status & the Effects on Cleveland
- Fleet Management
 - Buying Hybrid Vehicles – over 60 in fleet
 - Biodiesel Pilot Project
 - Car-Sharing Pilot Program
 - Anti-Idling Policy & Ordinance

Stormwater Management

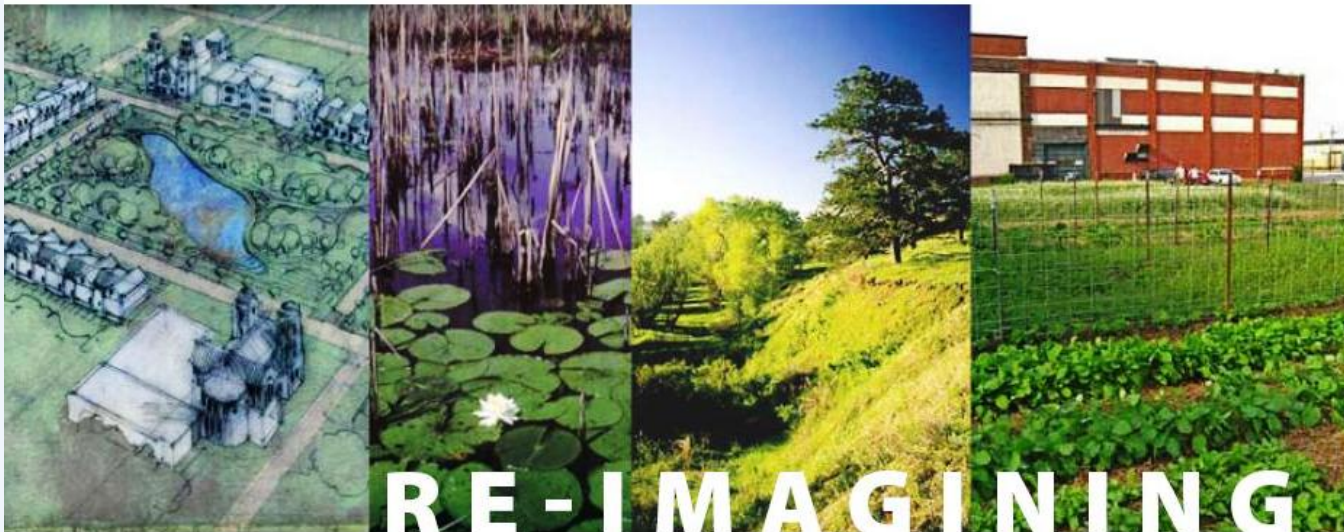


Stormwater Management Strategies

- Rain gardens & rain barrels
- Bio-swales & retention basins
- Pervious concrete, asphalt & pavers



Planning for Green – Re-Imagining Cleveland



RE-IMAGINING

A MORE SUSTAINABLE CLEVELAND

November 2008

Local Foods

- New Water Policy
- Over 200 community gardens in Cleveland
- Chicken & Bee Ordinance



Transportation

- Complete Streets
- Bike Station (2010)



Cleveland Recycling Initiatives

- Internal Recycling Policy
- Curbside & Drop-off Program
 - Recycling rate 10.9% saving \$927,000
- Commercial Recycling Program
- Airport Recycling
- Residual management



Green Business Programs

- \$50K Tax credit for green business expansion (1% of payroll)
- Grants for Sustainable business components (NRAP)
- Gardening for Greenbacks



SUSTAINABLE CLEVELAND 2019:

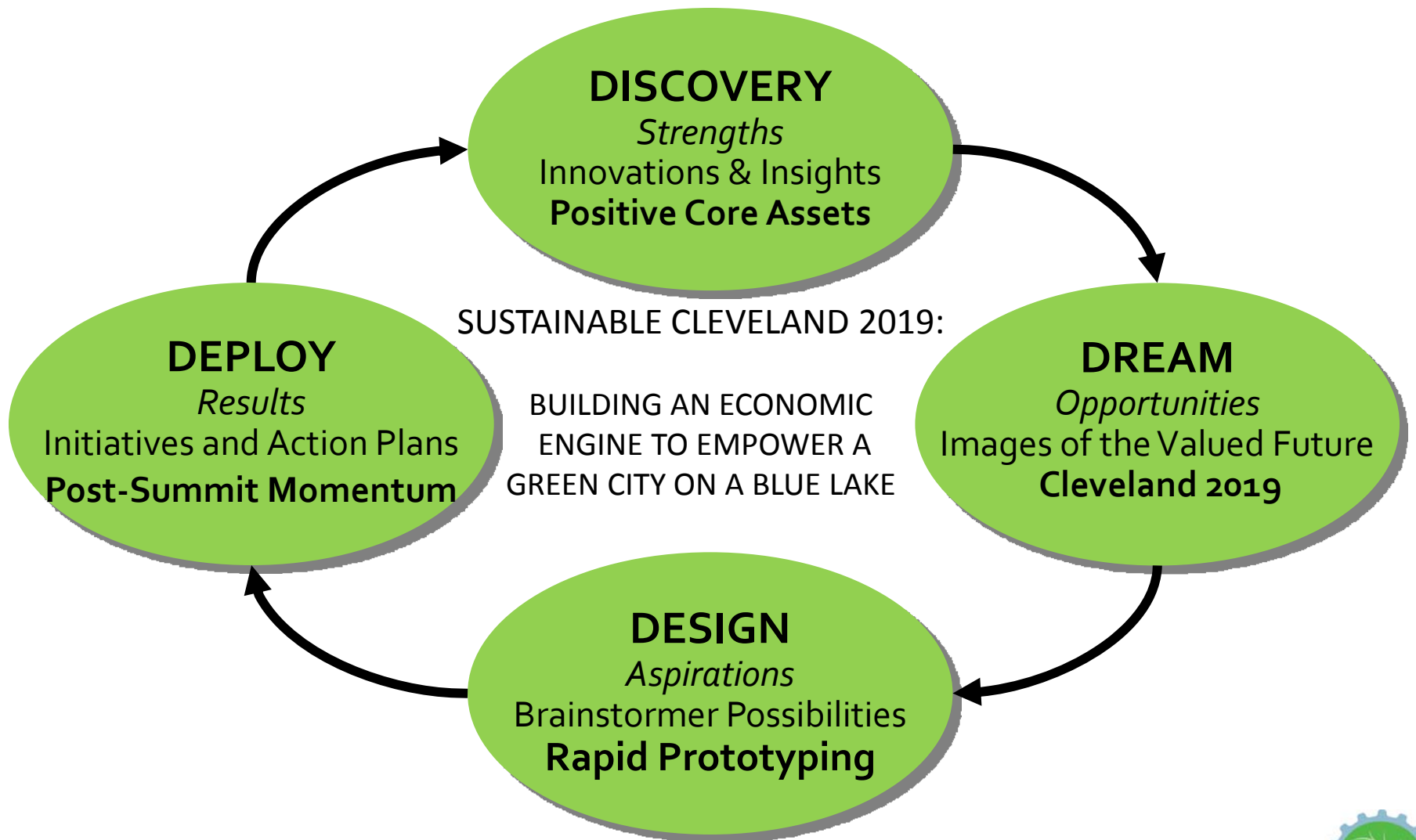
Building an Economic Engine
to Empower a Green City on a Blue Lake



700 Stakeholders 3 Days



4-D Cycle & Summit Task



How Might We...



- Advanced Energy Generation
- Advance Energy Research and Commercialization
- Advanced Manufacturing and Materials
- Communications and Branding
- Engaging 1.6 Million
- Green Building
- Health
- Local Foods
- Metrics of Success
- Post-Summit Momentum
- Public Contract
- Social Capital
- Social Entrepreneurship in the Urban Core
- Strategic Partnerships and Learning
- Sustainable Business Innovation and Incubation
- Transportation
- Vacant Land Use and Green Space
- Waste to Profit
- Water
- World-Class Sustainable Education



