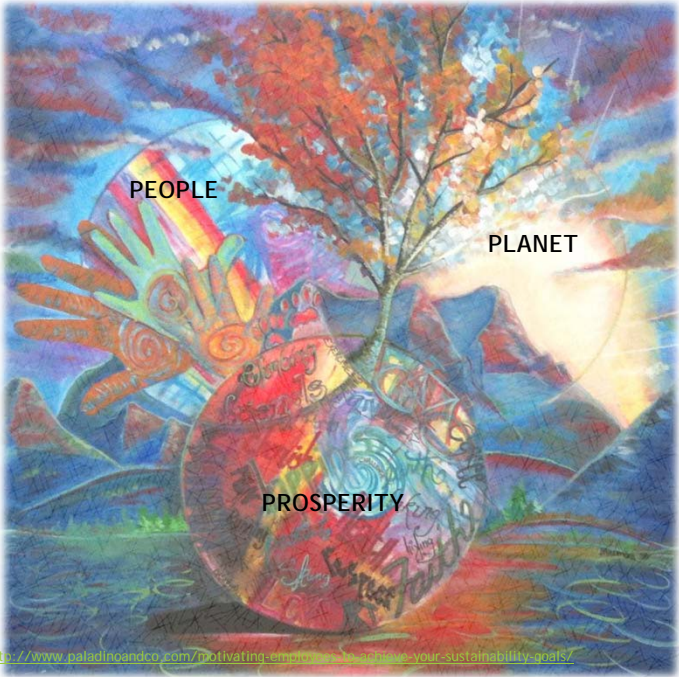


Sustainable Plans for an Urban City

Mansi Talwar, Washington DC



PEOPLE

PLANET

PROSPERITY

Source: <http://www.paladinoandco.com/motivating-employees-to-meet-your-sustainability-goals/>

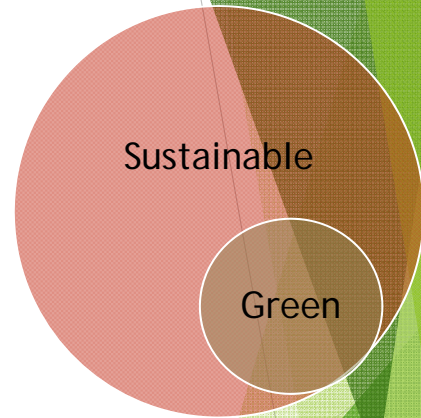
SUSTAINABILITY AND GREEN?

SUSTAINABLE

- ▶ Strategy
- ▶ Reduce, Reuse, Recycle
- ▶ Global Human Challenge

GREEN

- Recycle Drywall
- Cork flooring
- Green Cleaning
- Green Jobs



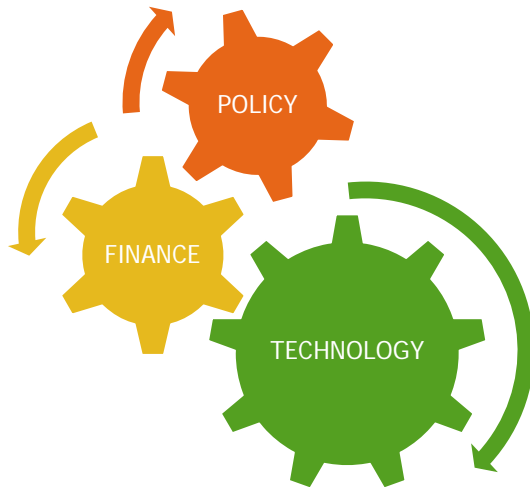
SUSTAINABLE DEVELOPMENT

- ▶ High Quality of Life
- ▶ Create a balance between economy and community
- ▶ Maintaining an ecological balance



Picture Source: <http://www.therightplanet.com/2012/08/the-fascism-of-sustainable-development/>

CREATING THE BALANCE



GREEN BUILDING TRENDS

- ▶ Voluntary Certifying Organization (LEED in case of DC)
- ▶ Information and awareness
- ▶ Tax Benefits and Direct Financial Assistance

Green Building Rating Systems

- ▶ LEED
- ▶ Sustainable Green Enterprise
- ▶ Green Globes
- ▶ LEED® India
- ▶ BEAM Plus - Hong Kong
- ▶ The Living Building Challenge



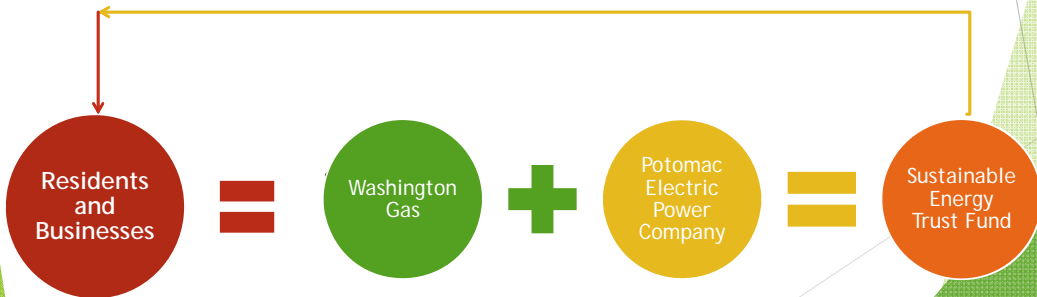
Picture Source: <http://www.usgbc.org/Resources/Pictures/Advocacy%20-%20USGBC%20General.jpg>

Green Building Act 2006 (DC)

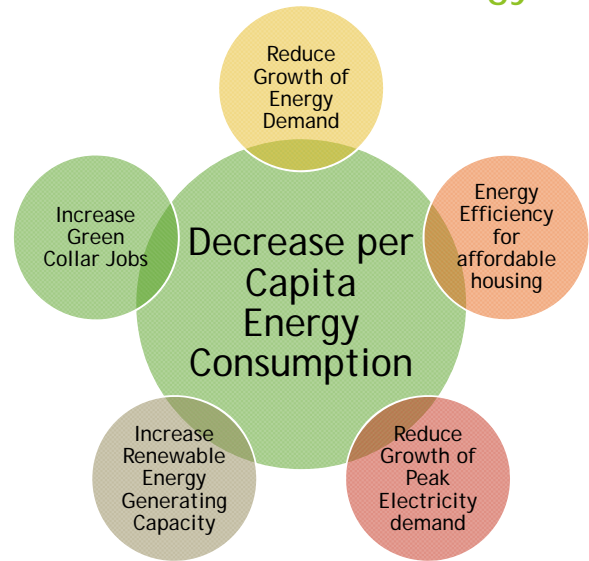
- ▶ Benchmarks for privately and Publicly owned buildings.
- ▶ Green Enterprise Communities guidelines to be followed for Residential buildings
- ▶ Benchmarks for Energy Star and LEED to be met
- ▶ One of the drawbacks - GREEN FEES / BONDS



Clean and Affordable Energy Act 2008



Clean and Affordable Energy Act 2008



CASE STUDY

Location: Arlington, Virginia, U.S

Building Type: Commercial

Certifications: LEED CS Gold and LEED CI Platinum

Zoning process: Administrative Regulation 4.1

Green Fees: \$1,000,000



Take Home Message!!!

- ▶ Mix and Match based on regional constraints.
- ▶ Address a problem with a solution.

Thank you!!

E-mail: mtalwar@dcseu.com

"In just one generation - 20 years - the District of Columbia will be the healthiest, greenest, and most livable city in the United States. An international destination for people and investment, the District will be a model of innovative policies and practices that improve quality of life and economic opportunity. We will demonstrate how enhancing our natural and built environments, investing in a diverse clean economy, and reducing disparities among residents can create an educated, equitable and prosperous society." - Mayor Vincent C. Gray