



Best Energy Performance in Buildings & Beyond

County of Loudoun

May 5, 2011





Countywide Energy Strategy

Energy Strategy Goals

- Be recognized as location of choice for investment
- Have consistently lower energy costs relative to surrounding areas
- Be recognized as regional-state-national model
- Have the lowest greenhouse gas emissions in the country
- Major investments will contribute to meeting the County Energy Strategy





Loudoun County Energy Vision

“Loudoun County will always have reliable and affordable energy, be energy efficient and reduce greenhouse gases”

Simple - Measurable - Eternal

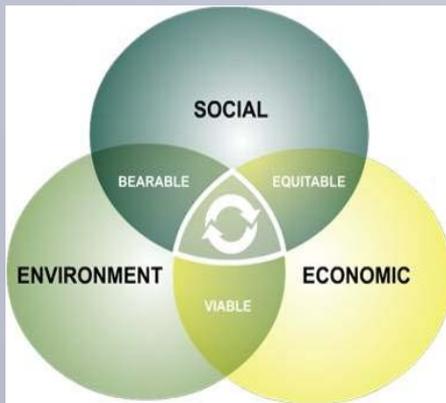




County Energy Strategy Supports Economic Development

ECONOMIC DEVELOPMENT STRATEGY:

Our Vision is to be an innovative, globally competitive economy known for its favorable business environment, exceptional quality of place and strong sense of community”



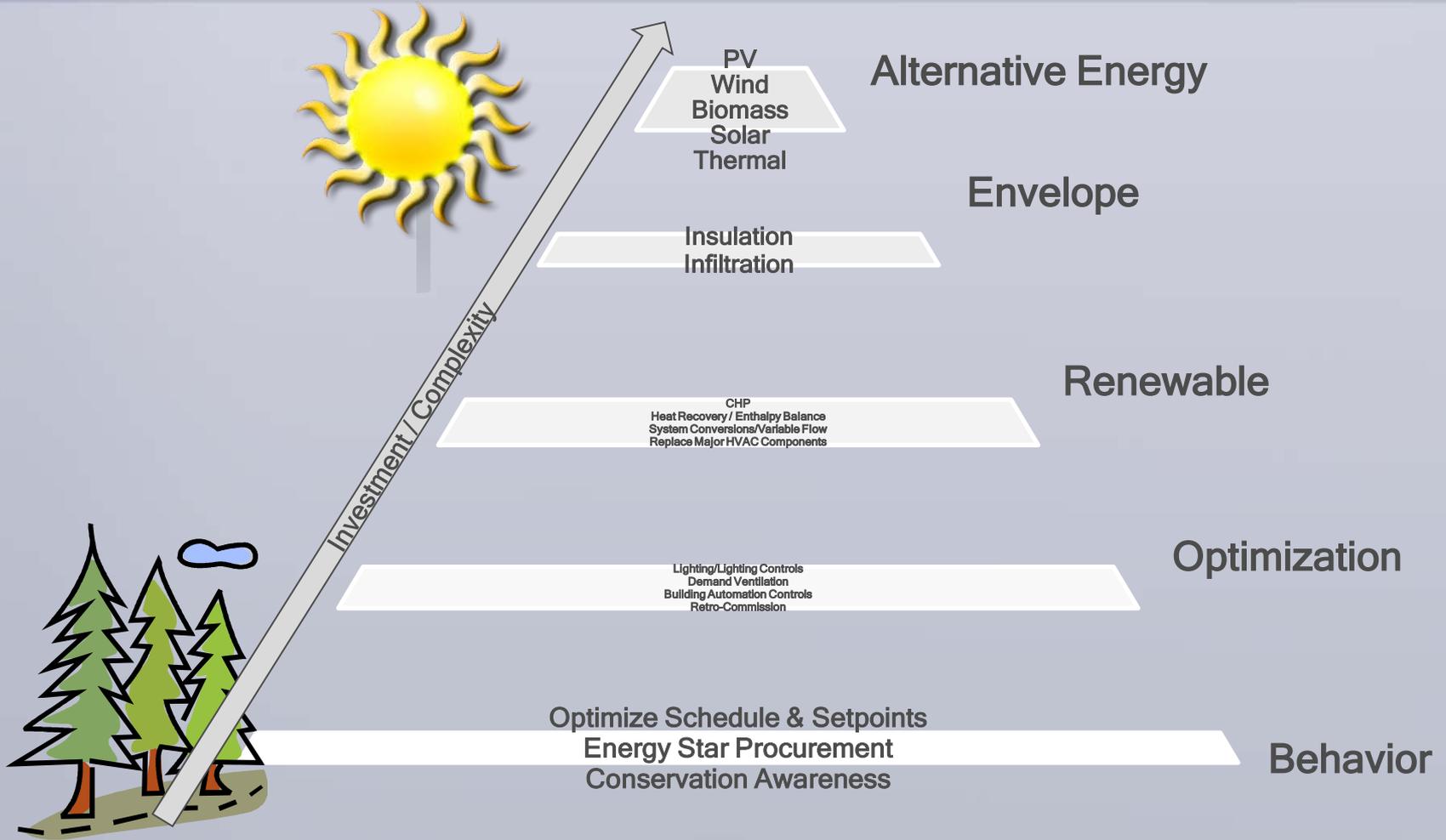
- Recognized Center for Innovation
- Prosperous Business Environment
 - High Quality of Living
 - Sound Fiscal Health
- Favored Visitor Destination
- ***World-class Energy Performance***

Energy Excellence Embedded in County Plans





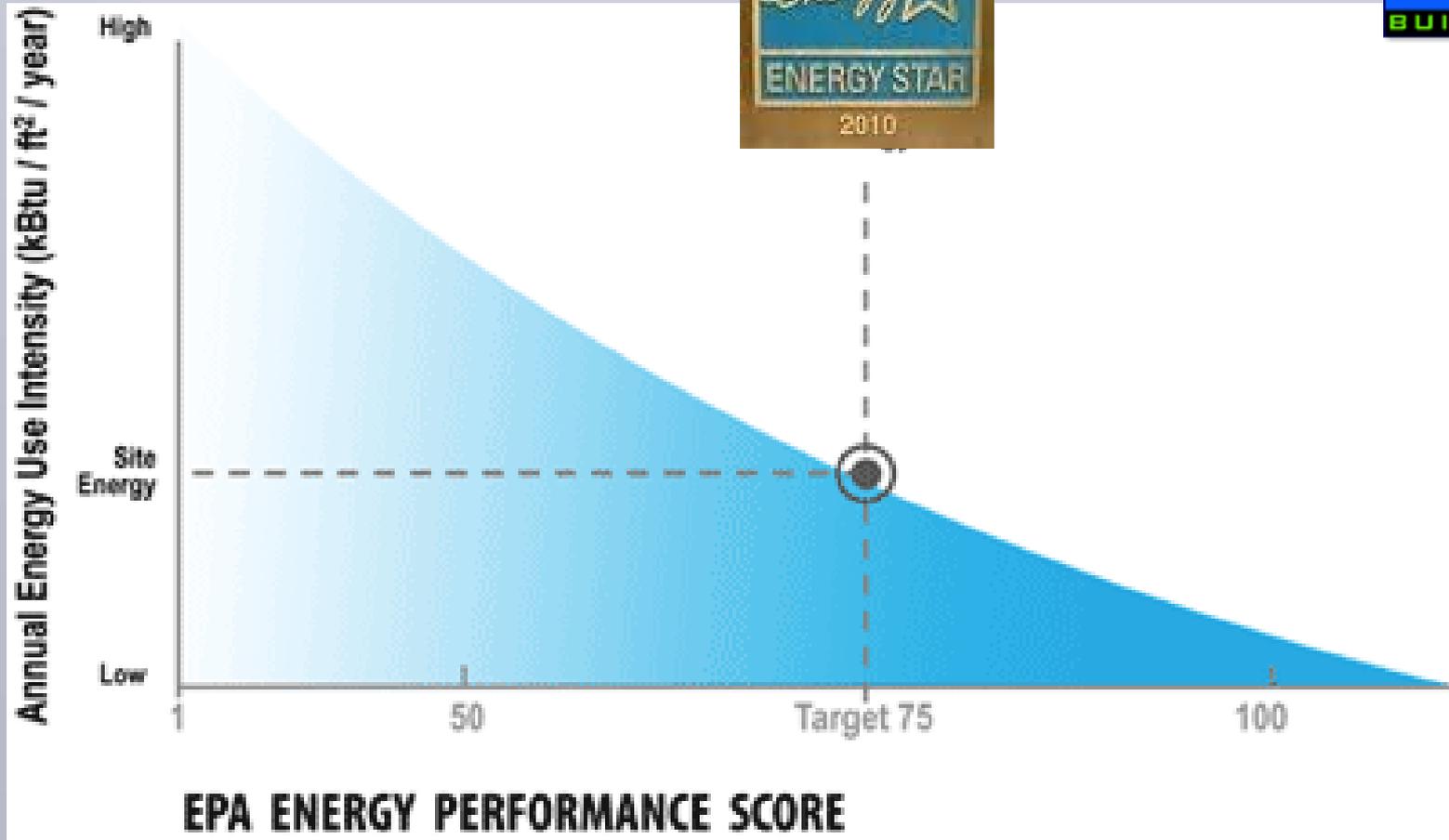
Energy Efficiency Pyramid



Education & Outreach



Measure & Benchmark



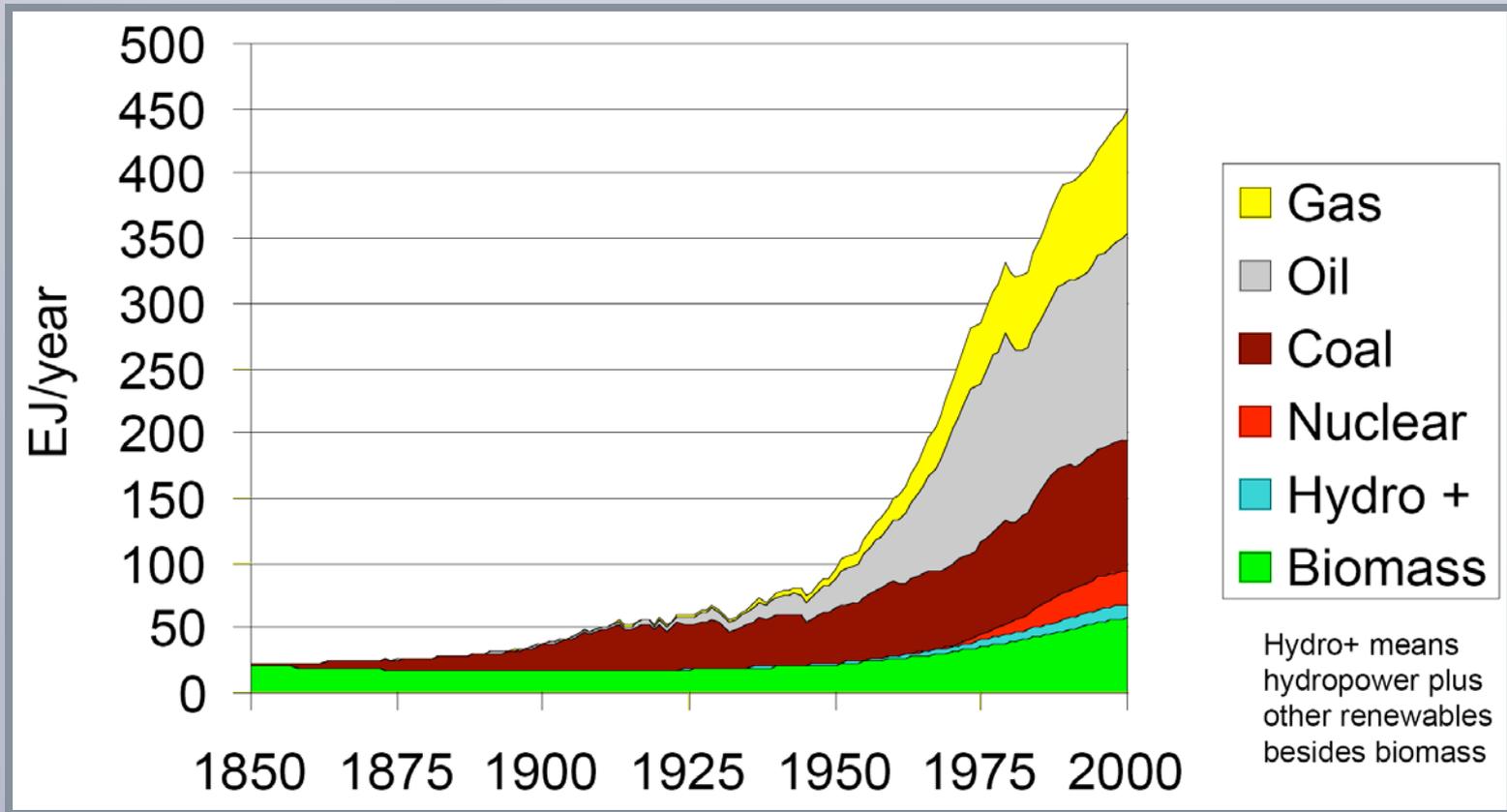


Smart Grid





Worldwide Energy Use 1850-2000





EECBG - Study/Planning Projects

Combined Heat & Power Cogeneration Feasibility Study



Project Goals

- Combined Heat & Power
- Natural Gas-fired Cogeneration
- Reduce energy consumption
- Reduce Greenhouse Gases

Project Budget \$160,000

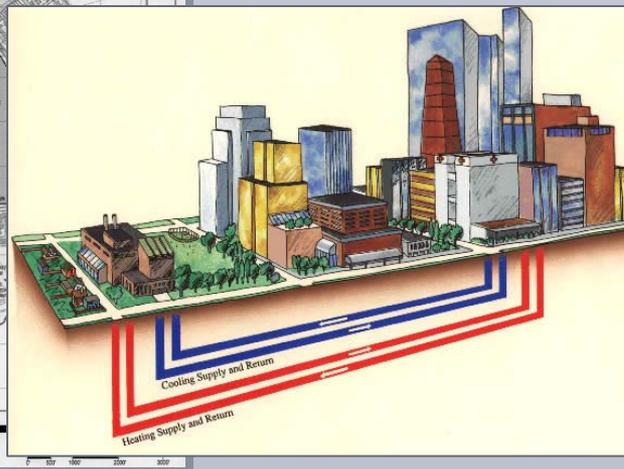
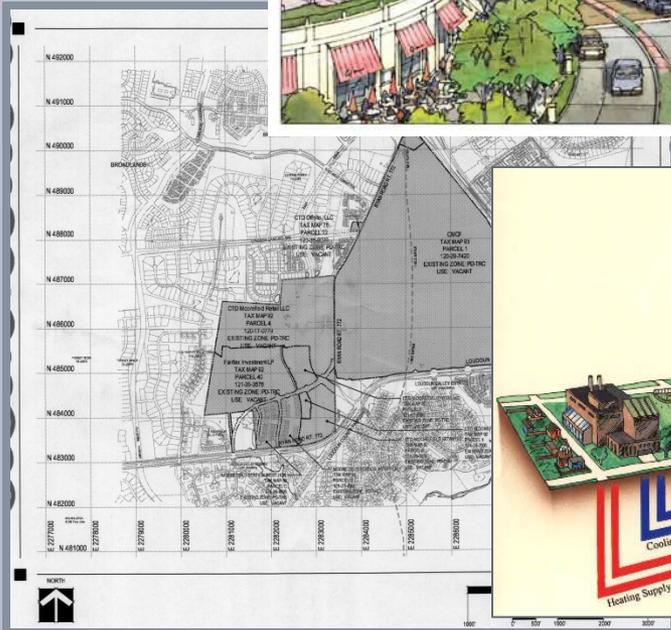
Project was awarded to Dewberry
Project to be completed by September 2011





EECBG Funded Projects

Moorefield Station Scale Project Energy Use Feasibility Study



Project Goals

- Integrated Energy Master Plan
- Combined Heat & Power
- Reduce energy consumption
- Reduce Greenhouse Gases

Project Budget \$300,000

Claude Moore Foundation \$100,000

Project

6,000 homes & 9.75 million

Square feet of commercial/retail





Thank You!

www.loudoun.gov/energy

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