

“GREEN” ACCOMPLISHMENTS



GREEN GROUPIE INFORMATIONAL UPDATE

Committee Members:

Mike Waldron, Coordinator

Jody Rowe

Jeff Anderson

Doug House

J.D. Schulte

Shawn Christ

K.J. Whitley

Erica Williams

HISTORY OF GROUP

The Committee was formed in 2007-08 as part of the Council's Strategic Plan. It was designed as a management top priority and was re-tasked again for this planning period of 2008-09. The committee has not accomplished all of its work in a vacuum and works with all Department and Divisions closely. A substantial amount of work has been accomplished by the Departments and City Council in the past independent of the committee (Groupies) to include the construction of new buildings which incorporated energy efficient initiatives and green aspects.

ACCOMPLISHMENTS

Energy audit of all facilities—1990's

Temperature Control includes the raising and lowering of thermostats to conserve energy costs wherever possible—1990's

Energy bill audit—2000's

Storm Water Control

- Utility created—2001
- Ordinance implemented—January 2007– to protect areas sensitive to flooding and drainage issues and to protect our rivers.

Traffic Signal Lamps changed out to high efficiency LEDs—2002

The updated Comprehensive Plan includes the following “green” provisions:

- A section of Environmental and Legal Constraints to development that includes information on the Clean Air Act, Clean Water Act, Resource Conservation and Recovery Act, and the Superfund Program
- A section on Stormwater Management
- A section on Critical Issues that included environmental assets and development constraints
- A Goals & Objectives section that identified the Utilization and Preservation of Natural Resources as goal 1
- A Future Land Use Plan that identified “Conservation” areas and acknowledged the quality of life benefits related to the preservation of natural resources

The new Zoning Code includes the following “green” provisions:

- Natural Resource Protection Standards for steep slopes, wood lands, wetlands, drainage ways, shore buffers, and ponds and lakes
- Landscaping and Buffer Yard Standards
- Performance Standards to reduce light, noise, smoke, particulate air matter, and other forms of pollution
- Increased Density provisions for more efficient use of land and infrastructure
- A new “Conservation” zoning district that recognizes environmentally sensitive land with limited carrying capacity

A new Flood Hazard Prevention Code that recognizes the natural and beneficial functions of floodplain areas

A county-wide Hazard Mitigation Plan that includes an identification and assessment of natural hazards and their potential impacts on natural and built environments

A Quad City Watershed Plan that inventories, assesses, and makes recommendations on the maintenance and enhancement of the Rock River and Duck Creek watersheds and their related environmental systems, benefits and functions

ACCOMPLISHMENTS

The North Rock River Corridor Plan that includes an “Environment” section that recognizes existing natural systems and recommends that they be incorporated into the land use framework

The River-to-River Corridor Plan that recommends the adoption of sustainable development practices such as “complete streets” that incorporate alternative energy-saving travel modes such as walking, biking, and mass transit that also tend to lessen the transportation system’s impact on the natural and built environment

LEED Certification—staff has made recommendations for all new TIF projects to be LEED certified or at least attempt to follow LEED certification guidelines and that this should become part of the City’s E.D. Policy

“No-Build Zones” - staff has made recommendations for the incorporation of “no-build” zones on environmentally sensitive lands within several PUD developments in the past few years recognizing the limited carrying capacity of certain land areas as well as the “quality of life” and aesthetic benefits that accrue from the preservation of high-value natural resources

Paperless Operations—A coordinated goal for many Departments and Divisions is to become as paperless as possible; many are digitally storing reports and documents utilizing scanners and software capabilities

Utility Operations includes the following major “green” provisions:

- High efficiency low power consuming motors and engines
- Variable frequency drives that modify motor loadings, start up/shut down loading, and pacing/alteration frequencies based on SCADA requirements.
- Gen-Set electrical curtailment program at Water Plant
- Green product purchases have been implemented when prudent and affordable
- Lighting improvements and control—replacing majority of incandescent lamps with fluorescent lamps, turning off lights in unoccupied rooms and areas

Fleet Operations includes the following major “green” provisions:

- Fleet has over 52 Flex Fuel Vehicles (FFV) currently; utilizing more E-85 fuel than 87 octane fuel
- Fleet will have four hybrid vehicles by the end of 2009 (3 hybrids and 1 electric vehicle)
- Utilization of B20 (Biodiesel) fuel 100+ vehicles
- 10,000 gallon E-85 tank on-site; payback on installation costs at 4.5 years
- Green product purchases have been implemented when prudent and Affordable
- Moline’s fleet is designated a “green” fleet by the State of Illinois EPA

ACCOMPLISHMENTS

Curbside Recycling Program for all Moline residents

Keep America Beautiful Affiliate to include joint neighborhood association clean-ups. Also attached are the major items that the Committee has been and continues to work on this year

Expanding Curbside Recycling Program for Larger Families—partnered with Midland-Davis on the purchase and collection of larger carts

“Cool Cities Initiatives” have been reviewed and incorporated wherever possible into operations and projects

Incentivize TIF and Economic Development Projects to offer greater reward for meeting “green” criteria within the scope of the project

Develop Video to play on Municipal Channel and Web Site which promotes “green” living on property and within the home

Update and Implement 2009 International Building Code which contains more “green” requirements and efficiencies. There is no mandated residential energy code in Illinois, however commercial structures must meet the International Energy Conservation Code.

Apply for Grants to Promote City “Green Initiatives”

- 10,000 gallon E-85 tank installation
- Replace older poor emission(s) quality engines with higher performing Engines

Inter-City Building Single Stream Recycling Program started on October 1, 2008; recycling volume has increased

Develop Office Product to Remind Employees of Energy Conservation

- Magnetic sticker/reminder for filling cabinets and desks
- Window/glass sticker

Consider Green Roof for City Hall when Roof Replaced—Has now been placed in FY 2009 budget for replacement and consideration; structural study needed for green roof application

Promote Alternative Methods of Travel to City Employment—Four bike racks have been ordered and their use will be promoted once installed at various sites

Consideration of Building a Green Alley—Did not make it for funding in FY2008 or FY 2009; keep on burner for future grants and CIP listings