



DEPARTMENT OF PUBLIC WORKS

Environmental Sustainability Division

m e m o r a n d u m

TO: City of Urbana Sustainability Advisory Commission
FROM: Scott R. Tess, Environmental Sustainability Manager
DATE: December 3, 2012
SUBJECT: Sustainable Water Management - Draft

Drinking Water Supply & Demand

- Goal 1: Track drinking water use
 - Action 1: Work with water company to track drinking water use community wide
 - Track by commercial, single-family residential, multi-family residential
 - Compare use with other similar cities
 - Action 2: Work with water company to track drinking water use by City of Urbana
- Goal 2: Continue a decreasing trend of per capita drinking water each year through 2020
 - Action 1: Demonstrate, promote, and/or incentivize practices to reduce drinking water used for commercial, residential, and/or irrigation purposes.
 - Water-saving showerheads, water-saving faucet aerators, water-saving toilets, water-saving pre-rinse spray nozzles, micro-irrigation/drip irrigation, irrigation controls.
 - Promote appropriate lawn irrigation practices; ‘Brown is the New Green.’
 - Action 2: Hold rain barrel truck sale to encourage stormwater reuse.
 - Action 3: Assess mandatory rain sensor and/or soil moisture sensor ordinance for new landscape irrigation systems.
- Goal 3: Reduce drinking water use per square foot of facility space in City-owned buildings xx% by 20xx from a 2013 baseline.
 - Executive Order 13514 set a goal of 2% annual reduction goal for federal buildings.
 - Assess water reuse opportunities of treated effluent for city landscape irrigation.
 - Retrofit water-saving faucet aerators and/or toilets.
- Goal 4: Consider adoption of the forthcoming Champaign County Regional Planning Commission’s model emergency water conservation ordinance.

Drinking Water Quality

- Goal 1: Continue to pursue Sole Source Aquifer status and protect quality of the Mahomet Aquifer through appropriate legal action.
- Goal 2: Assess legal, funding, and staff necessary for brownfields redevelopment.

Surface Water & Stormwater

- Goal 1: Continue to implement Stormwater Utility Credit and Incentive Program.
 - ‘Better Homes and Gutters’ tour and information

- Goal 2: Assess and report to the Sustainability Advisory Commission changes in water quality recorded in EPA TMDL
- Goal 3: Demonstrate & promote environmentally friendly use of landscape fertilizing.
 - ‘Better Homes and Gutters’ tour and information
- Goal 4: Assess best practices in Illinois for inspections, maintenance, and regulation of private and municipal stormwater storage and/or stormwater treatment facilities.
- Goal 5: Assess feasibility of maintaining a pharmaceutical waste collection drop box at the police station.

Flood Management

- Goal 1: Ensure a focus group called to address climate change adaptation in Goal 4 of the Urbana Climate Action Plan addresses managing and mitigating potential flood impacts.

Attachments:

cc: