



MEMORANDUM

TO: City of Urbana Sustainability Advisory Commission
FROM: Scott R. Tess, Environmental Sustainability Manager
DATE: Tuesday, January 5, 2016
RE: Staff Report

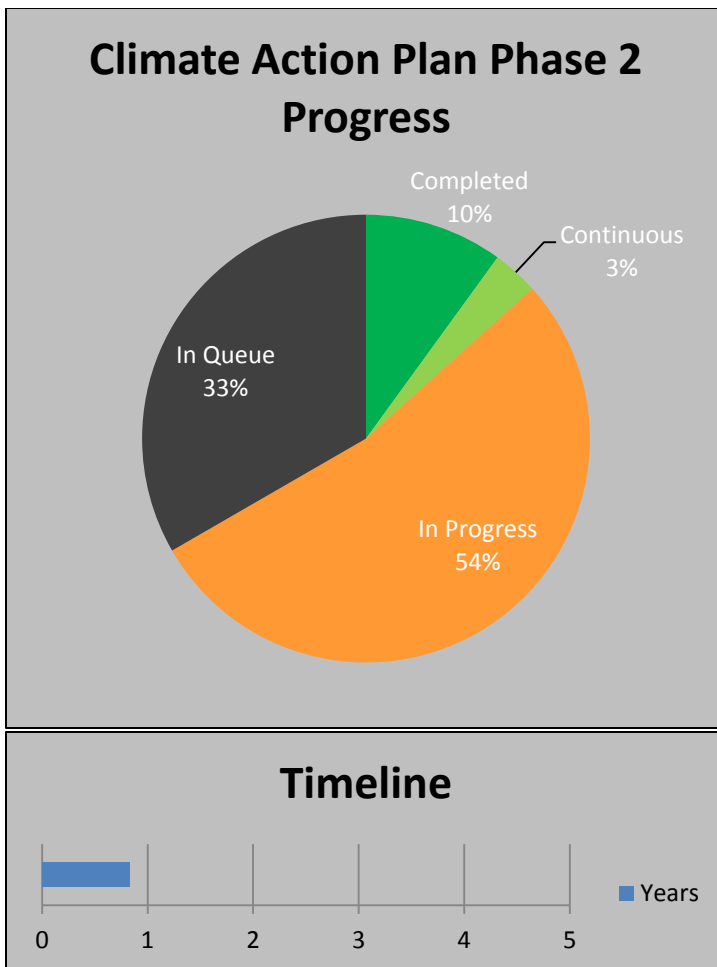
Climate Action Plan Phase 2 Progress

Goal 1: Action 6 Evaluate opportunities to retrofit existing outdoor lighting with more energy efficient lighting

Staff has shared analysis of a potential LED street lighting retrofit project on Springfield Ave. with the University of Illinois Facilities and Services. The City is exploring the possibility of a cost-sharing arrangement that would improve lighting on a City-owned street that passes through campus.

Goal 3: Action 4 Propose strategies to improve the local onsite renewable energy market

There are 4 separate actions under this heading. One action recommending the group purchasing of solar panels is now in progress through Solar Urbana-Champaign and marked as such in our Climate Action plan tracking.



Mayor’s Climate Compact

Mayor Prussing has committed the City of Urbana to the Compact of Mayors sponsored by ICLEI. Cities in the Compact have three years to complete the requirements to achieve full Compact compliance. Compliance includes:

REGISTER COMMITMENT. A mayor may register on either of the Compact’s standard reporting platforms—carbonn Climate Registry or CDP—or email a letter of intent to info@compactofmayors.org. Following its submission, a city will be contacted by the Compact support team.

TAKE INVENTORY. Within one year, a mayor must assess the current impacts of climate change in his/her city. To do so, the city must 1) Build and complete a community-wide GHG inventory with a breakdown of emissions for buildings and transport sectors, using the GPC standard; (2) Identify climate hazards; and (3) Report on both via the CDP or carbonn Climate Registry questionnaires.

CREATE REDUCTION TARGETS AND ESTABLISH A SYSTEM OF MEASUREMENT. Within two years, the registered city must update its GHG inventory to also include a breakdown of emissions from waste sector.; set a target to reduce its GHG emissions; conduct a climate change vulnerability assessment consistent with Compact guidance; and report in its chosen platform.

ESTABLISH AN ACTION PLAN. Within three years, a city’s strategic action plan must show how it will deliver on its commitment to reduce greenhouse gas emissions and adapt to climate change.

Urbana’s Climate Action Plan Phase 2 (CAP) accomplishes many of these tasks. However, the format, focus, or scope of some items may be different than the CAP requiring additional or parallel planning and implementation activities. Identifying climate hazards, conducting a climate change vulnerability assessment, and creating plans for topics not presently included in Urbana’s CAP may be required. Staff will be evaluating what is needed for compliance with the Compact of Mayors.

2016 SAC Schedule

- 1/5/2015 7pm Council Chambers
- 2/2/2015 7pm Council Chambers
- 3/1/2015 7pm Council Chambers
- 4/5/2015 7pm Council Chambers
- 5/3/2015 7pm Council Chambers
- 6/7/2015 7pm Council Chambers
- 7/19/2015 7pm Council Chambers
- 8/2/2015 7pm Council Chambers
- 9/13/2015 7pm Council Chambers
- 10/11/2015 7pm Council Chambers
- 11/1/2015 7pm Executive Conference Room – City Building
- 12/6/2015 7pm Council Chambers

Sustainable Water Management Plan

Aspect 1: Goal 1- Action 4 Assess feasibility of a rain sensor and/or soil moisture sensor ordinance for new landscape irrigation systems.

Staff has found an existing state plumbing code requirement that requires rains sensors or irrigation controls on all new irrigation systems. City of Urbana Building Safety will enforce this element of the Illinois Plumbing code when a new irrigation system is installed.

<http://www.ilga.gov/commission/jcar/admincode/077/077008920000500R.html>

“All automatically operated lawn sprinkler systems shall have furnished and installed technology that inhibits or interrupts operation of the landscape irrigation system during periods of sufficient moisture or rainfall.

- 1) *The technology must be adjustable either by the end user or the irrigation contractor. This subsection (f) does not apply to systems operating on golf courses or agricultural lands.*
- 2) *The requirements of this subsection (f) apply to all landscape irrigation systems installed after January 1, 2009. (Section 2.5(g) of the Law)”*

Aspect 1: Goal 2- Action 6 Establish a policy of choosing EPA WaterSense labeled products for City procurement where appropriate.

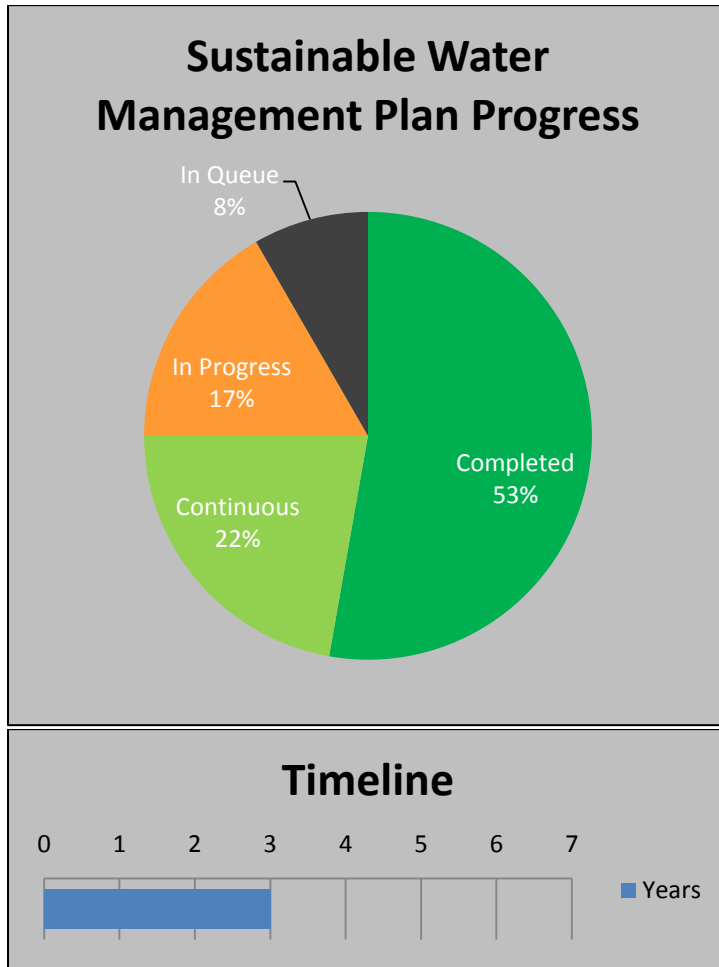
Mayor Prussing has established a Green Procurement policy for City purchasing that includes a preference for WaterSense labeled water fixture products. Staff will begin conducting education this month on implementation of the policy for individuals who make purchases for the City. A copy of the policy is attached.

Aspect 2: Goal 1- Action2 Continue to pursue appropriate legal action to protect the Mahomet Aquifer
As previously reported, the City of Urbana has settled their lawsuit concerning the Clinton Landfill establishing new protections for the Mahomet Aquifer. This action has been marked as complete. The

members of the Mahomet Aquifer Coalition have expressed an interest in continuing a relationship to further protections of the aquifer.

Aspect 3: Goal 2- Action 1 Assess best practices for inspections, maintenance, and regulation of private and municipal stormwater storage and/or stormwater treatment facilities.

The Public Works Engineering Division has assigned staff to inspect stormwater facilities on a 5 year inspection cycle. The Division has created a database of all stormwater facilities where inspection results will be logged. This item has been marked complete in our tracking.



U-Cycle

The City of Urbana supported a county-wide electronics recycling event on November 10, 2015. Results from that collection and previous collections are attached. A second document re-categorizes the results from the several collections events and shows a stacked area graph for those categories.

The State of Illinois recently conducted a waste characterization study. The report resulting from that study is attached.

Next SAC Meeting

February 2 at 7:00 pm in Council Chambers