



CITY OF URBANA, ILLINOIS
DEPARTMENT OF PUBLIC WORKS
ENVIRONMENTAL SUSTAINABILITY DIVISION

MEMORANDUM

TO: City of Urbana Sustainability Advisory Commission
FROM: Scott R. Tess, Environmental Sustainability Manager
DATE: Tuesday, September 8, 2017
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

After a request for proposal and interviews, staff have selected CTS to conduct an investment grade audit of City facilities and street lights to identify energy saving improvement which can be financed as a bundled project with a payback period of less than 20 years based on energy savings and avoided capital costs. The audit should be completed by September or October. A contract for facility improvements would likely follow.

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

Solar Urbana-Champaign has officially finished as of August 31 with over 300 kw of installed capacity. However, the installer has accepted letters of intent to sign a contract from individuals who had previously received a site assessment, but needed to make some arrangements before signing a contract. This cohort will have until the end of September to sign a contract. At that time, we will announce final program results.

Goal 3: Action 3 Pursue long term purchase of bundled renewable power and renewable energy credits and

Goal 3: Action 5 Propose strategies to increase renewable energy purchasing in the commercial sector

The City of Urbana has published a Request for Qualifications for a Landfill Solar Developer. The purpose is to select a vendor to partner with to develop several megawatts of solar energy in our community, receive lease revenue for the city, perhaps take some of the power for City facilities, and maybe even reserve a portion of the development for residential community solar subscriptions.

The City of Urbana has published a Request for Qualifications for a Community Crowdfunded Wind Developer who would finance a wind energy facility with local small investors. The facility might be located at Urbana's closed landfill or other locations in the region.

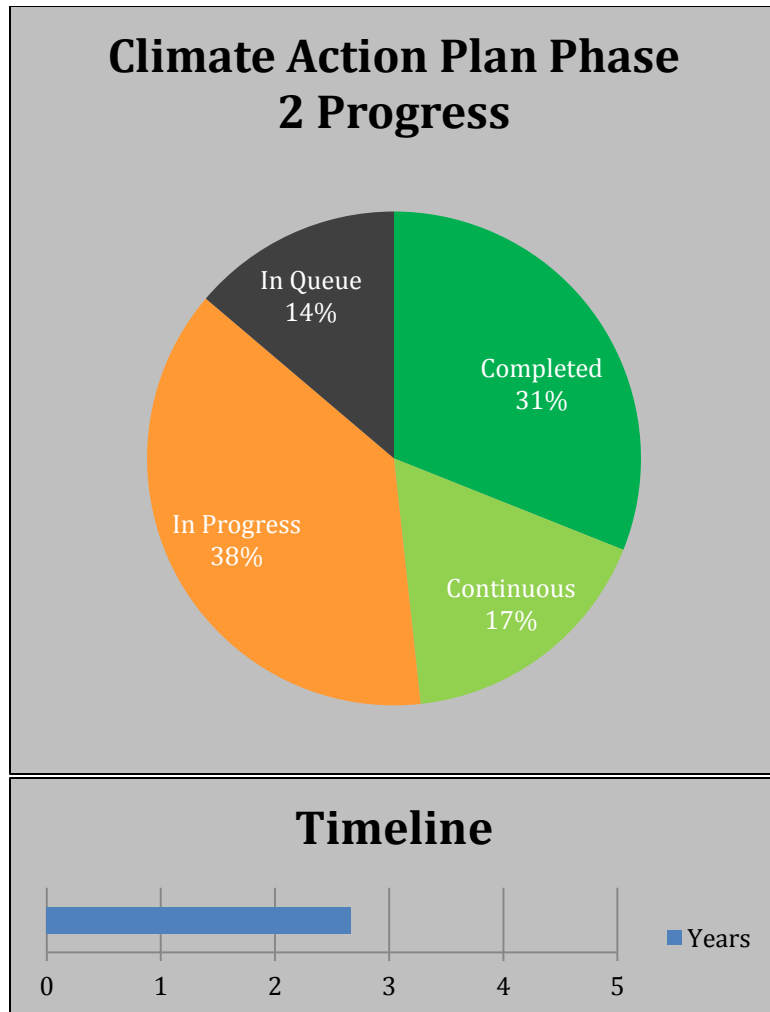
Goal 3: Action 5 Propose strategies to increase renewable energy purchasing in the commercial sector

A property assessed clean energy (PACE) bill has been passed by the Illinois General Assembly and signed by the Governor. Staff has reached out to other municipalities and organizations to begin discussing how best to utilize this new statute.

Additional energy and climate activities

On September 11, Mayor Marlin and City Staff will speak about renewable energy and sustainability at the Sierra Club event called Clean Energy Town Hall.

ICLEI Local Governments for Sustainability has selected Environmental Sustainability Manager, Scott Tess, as a finalist for their ICLEI COP23 People's Delegation to the United Nations Framework Convention on Climate Change, 23rd Conference of Parties (COP23). The conference is in Bonn, Germany November of this year. ICLEI will be reaching out to finalists soon to coordinate a crowdfunding campaign to raise funds for the delegation. Donations are being accepted by ICLEI at <https://www.generosity.com/community-fundraising/amplify-citizen-climate-action-at-cop23>.

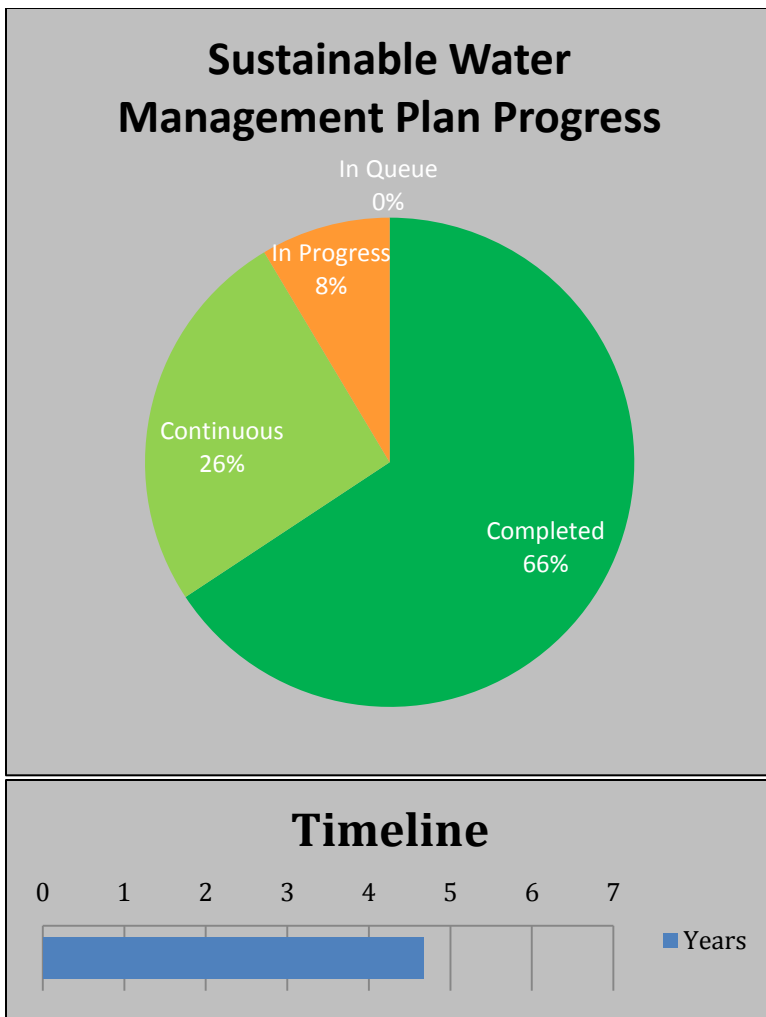


Sustainable Water Management Plan

Aspect 3: Goal 1: Action 2 Demonstrate & promote environmentally friendly landscaping techniques.

- Promote judicious application of fertilizers and pesticides as well as onsite stormwater management including tree planting, bioswales and raingardens.

The City of Urbana, Urbana Park District, and Midwest Pesticide Action Network are launching a natural lawn care program September 16 at 10am at the South lawn of the Urbana City Building. This kickoff event will offer fun educational games and engage residents in a pledge to manage their lawns with natural lawn care practices instead of chemical pesticides and fertilizers. The City of Urbana and the Urbana Park District will also be committing to manage certain landscapes chemical free.



U-Cycle

On August 1, Champaign and Urbana staff participated in an interview with CI-Living discussing the upcoming electronics recycling event in October. Registration for the event was filled in 4 days.

On August 19, Ucycle staff provided resources (battery buckets, cell phone recycling box, U-Cycle brochures) to the Urbana Free Library for their recycling and shred event. U-Cycle collected nearly 150 lbs. of batteries.

On August 22, Ucycle staff participated in a panel discussing electronics recycling at the screening of the film 'Death by Design' at the Champaign Public Library. The film explored both the toxic aspects of the development of new electronics devices and explores the end of life management of electronics.

On August 25 and 26 staff coordinated the recycling and corn composting at the Urbana Sweetcorn Festival. Ucycle staff recycled 12 totes worth of cans, bottles and cups, along with cardboard at the event. Unfortunately the 25 cubic yard dumpster of corn cobs and husks were contaminated late Saturday night/Sunday morning with many bags of garbage contaminating the entire load meant to go to the Landscape Recycling Center for composting, despite ample signage indicating the dumpster was for corn cobs only. Staff is looking at a tarp or lock system for next year's festival so that the corn cobs do not get contaminated. Staff also tended to the U-Cycle booth where she talked to residents about the U-Cycle program and managed the public service workers that collected the recycling and corn cobs at the festival.

Electronics Legislation Update

Senate Bill 1417, now Public Act 100-0433 was signed into law on August 25, 2017. This act allows for a 'convenience standard' type of collection scheme so all communities have an opportunity to recycle. The previous 'goal system' where manufacturers were required to meet a certain minimum goal recycling electronics did not work and the goal weights were met usually within 6 months into the calendar year leaving programs and communities without electronics recycling collections. Here is a summary of SB 1417/PA 100-0433:

- The act prevents weight based goals from being greatly reduced in 2018 by keeping them the same as 2017
- The act continues to include all the electronic devices banned in the current electronics legislation
- It gives manufacturers time to create a 'clearinghouse' that will distribute costs as evenly as possible based on sales to all manufacturers
- By March 1, 2018 any County interested in offering collection sites to residents must opt into the 'clearinghouse' to receive manufacturer funding for the recycling of the electronics. The number of collection sites allowed will be based on population per square mile and be implemented in 2019
- In 2019 retailers and collectors may charge a fee to residents for accepting electronics

In addition a trailer bill, HB 1955, now Public Act 100-362 was signed into law on August 25, 2017. Here are some of the provisions of the trailer bill:

- Limits all collection sites (one-day events and permanent sites) from accepting more than 7 items from an individual at one time
- Each shipment must include a bill of lading listing the number of pallets, bulk containers, and the address where the shipment originated
- Prohibits any collector from taking material for scrap, but requires it all be sent to the manufacturer's chosen recycler
- All collectors and manufacturers that offer electronics programs must submit annual reports to the IEPA
- Adds provisions allowing inspections of collection sites by manufacturers
- Adds provisions allowing the IEPA to deny a recycler's or collector's registration
- Adds financial and legal penalties for accepting non-residential materials or making false statement to the IEPA regarding collected materials
- Addresses manufacturer responsibilities, creating an Advisory Financial Task Force to assist the Pollution Control Board
- Will create an 'Advisory Electronics Recycling Task Force' beginning on Nov. 1, 2018 that will be responsible for generating Best-Practices for collection sites
- Allows for curbside collected electronics to be counted towards the manufacturers obligations

HHW Update

Ucycle staff is continues to work with a group of stakeholder on household hazardous waste collection options. This group submitted an application to the Community Foundation of East Central Illinois'

“Community Solutions Incubator” program which assists organizations and groups with providing them solutions to issues they are trying to solve. Only a handful of groups that apply will be accepted. If accepted, they would provide the resources needed with the help of local/state experts to further develop household hazardous waste collection.

Next SAC Meeting

October 3 at 7:00 pm in Council Chambers