



MEMORANDUM

TO: City of Urbana Sustainability Advisory Commission
FROM: Scott R. Tess, Environmental Sustainability Manager
DATE: Tuesday, November 3, 2015
RE: Staff Report

Climate Action Plan Phase 2 Progress

Goal 3 Action 1 Purchase Green Power Partnership qualified renewable energy credits in future municipal electric aggregation agreements

Staff recently met with our municipal electric aggregation consultant to discuss our next bid for the term starting in June 2016. Our consultant will be investigating the purchase of US EPA Green Power Partnership qualified renewable energy credits in our next municipal electric aggregation contract. This item has been marked In Progress for our Climate Action Plan tracking.

Goal 3 Action 2 Purchase Green Power Partnership qualified renewable energy credits and/or the installation of onsite renewable energy for City facilities

Part of our Grow Solar technical assistance is investigating the feasibility of conducting a competitive bid to install solar energy on our facilities rooftops and at the closed landfill. This item has been marked In Progress for our Climate Action Plan tracking.

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

Illinois Grow Solar technical assistance partner Midwest Renewable Energy Association has signed a contract for rooftop solar "group buy" campaign with StraightUp Solar. Marketing, promotion, and local organizational support is being planned presently. A program announcement will be made soon and Solar Power Hour informational sessions are expected to begin in December.

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

Our community bulk solar bid was able to secure a commercial solar option. A commercial option seems to be rare in such programs. This item has been marked as In Progress in for our Climate Action Plan tracking.

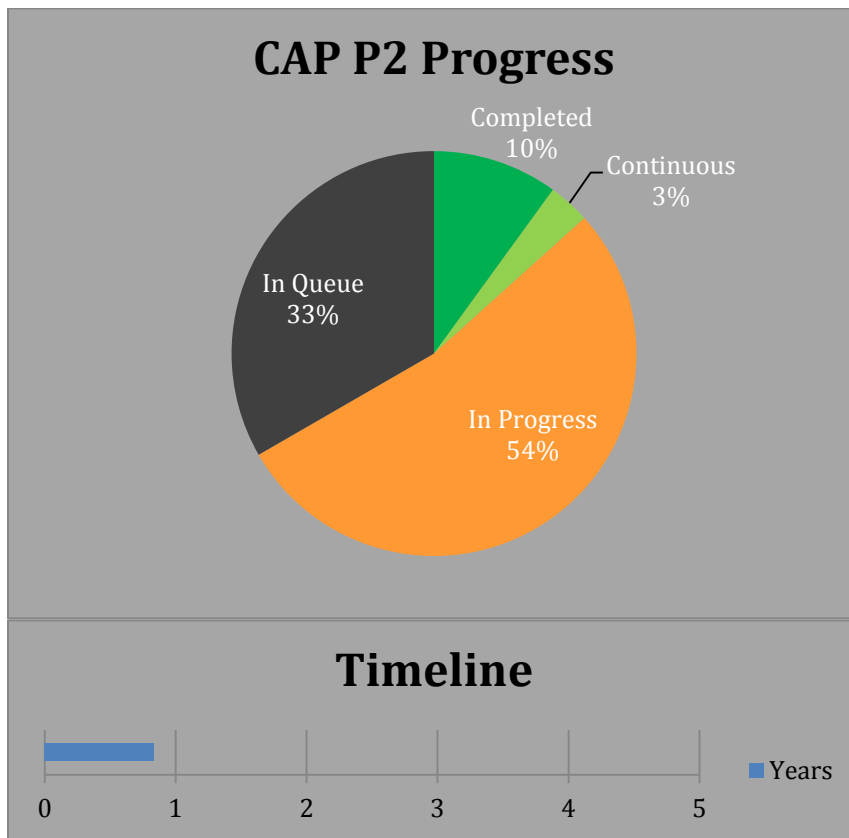
Goal 5: Action 1 Partner with existing energy efficiency programs and community groups

Staff has promoted the Urbana-Champaign ENERGY STAR Challenge at local events sponsored by Faith In Place and the Institute for Sustainability, Energy, and the Environment. There are currently 44 buildings register in the challenge.

Goal 6: Action with the Sustainability Advisory Commission to inventory greenhouse gas emissions and evaluate emissions reduction strategies every two years

ClearPath, the greenhouse gas inventory tool used by the City of Urbana, has made their community greenhouse gas inventory module free to all cities with funding from the Bloomberg Foundation.

Urbana also uses the municipal module in ClearPath to inventory City facilities and operations and will continue to pay the membership fee providing access to this feature.



Sustainable Water Management Plan

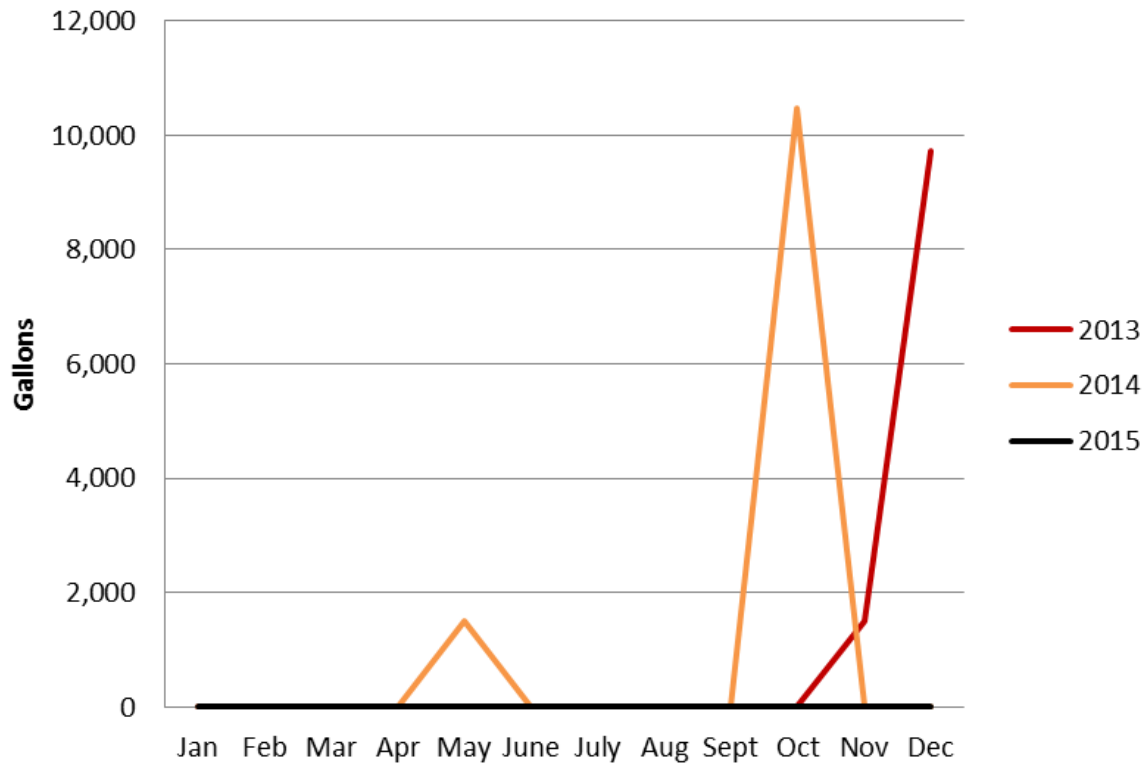
Aspect 2: Goal 1- Action 3 Collaborate with Mahomet Aquifer stakeholders in coordinated messaging and policies

All parties to the Clinton Landfill lawsuit have signed the Consent Decree ending the legal action. Some parties to the lawsuit have expressed an interest in continuing the coalition to work on other aquifer related issues.

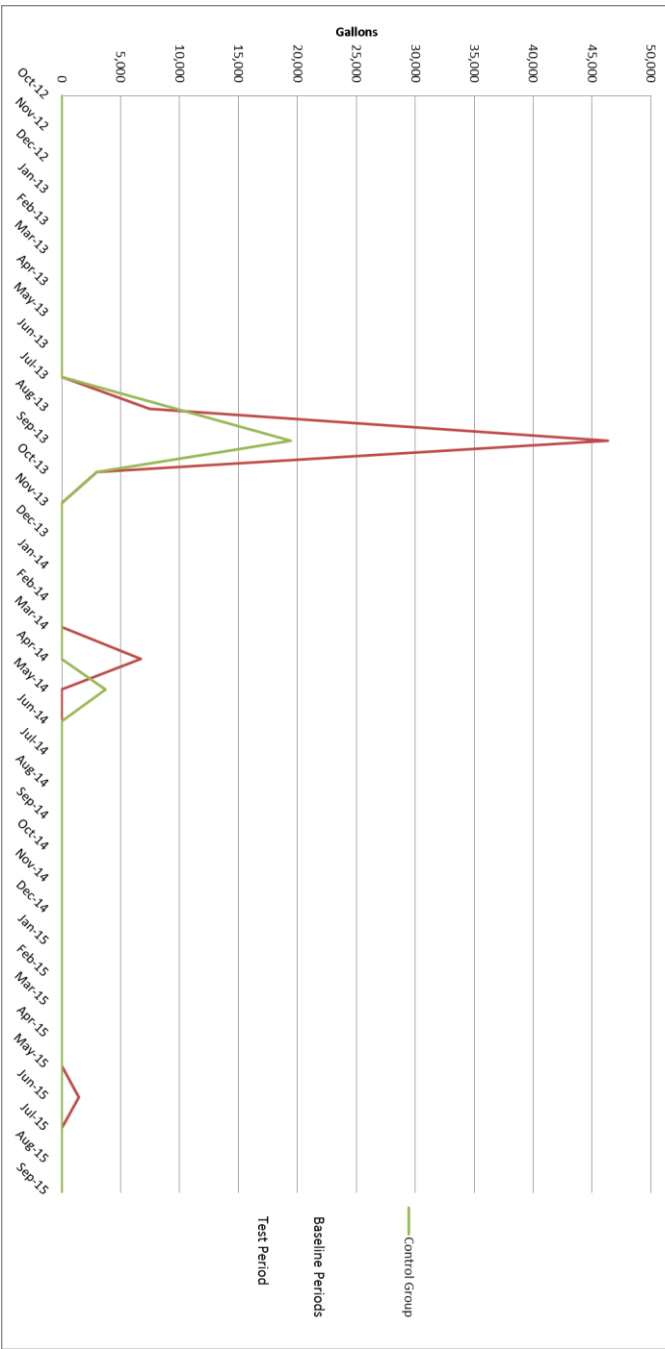
Aspect 1: Goal 2- Action 3 Reduce water used for landscape irrigation

Staff has completed the irrigation control sensor study funded by the Illinois Sustainable Technology Center. The irrigation water consumption data certainly shows a decrease in consumption after the installation of irrigation control sensors. However, in this instance, the result does not indicate that decreased consumption is due to the irrigation control sensors. Instead, Urbana experienced a high level of precipitation during the summer months when irrigation is typically used. In fact, Arbor Division staff simply turned off the irrigation meters for most of the summer ensuring that no use of the newly installed irrigation control sensors could be tested for impact.

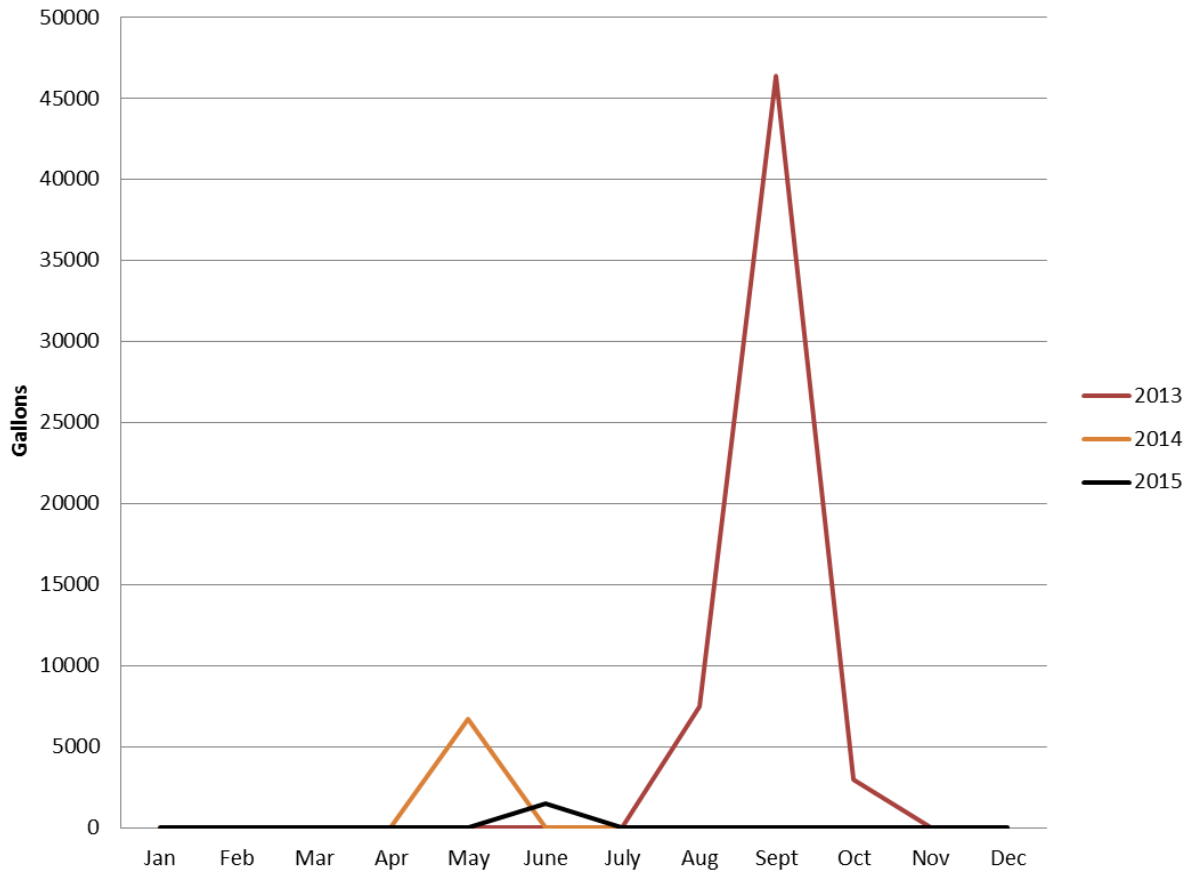
Viaduct Irrigation Consumption

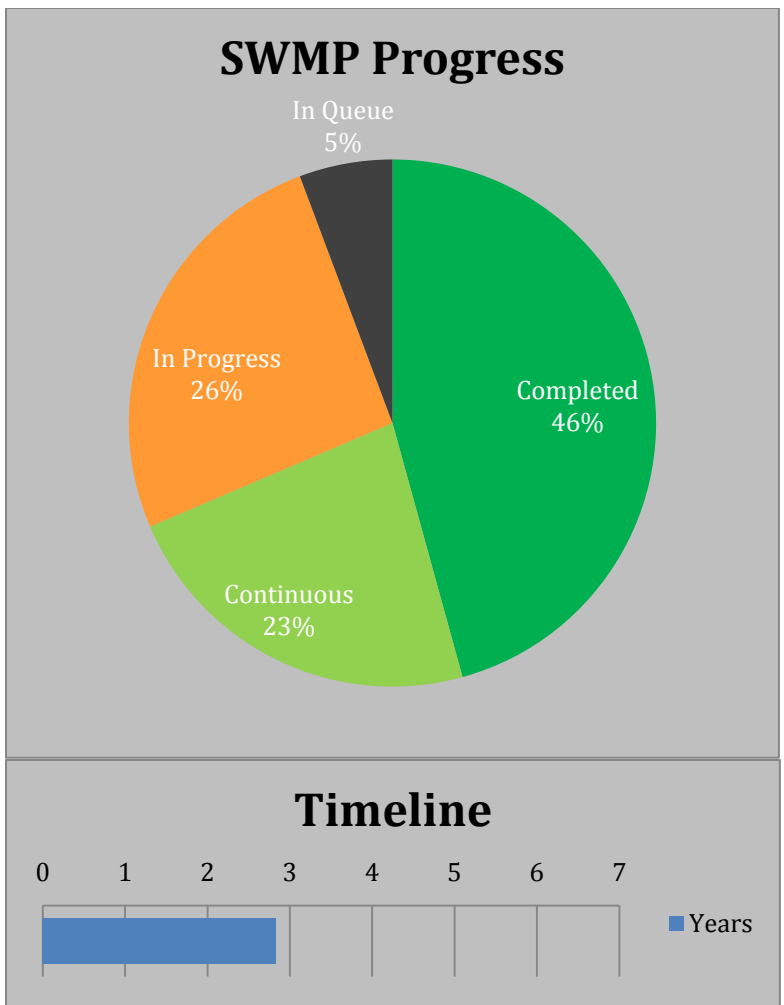


S. Philo Rd. Irrigation Water Consumption



S. Philo Rd. Experimental Group Water Consumption





U-Cycle

Staff partnered with other municipalities in the region to conduct an electronics recycling event on October 10th. Results have not been received yet.

Staff is partnering with other municipalities in the region to celebrate America Recycles Day at Anita Purves Nature Center. The Center will host the second annual Creative ReUse Competition. See the attached file for competition guidelines. The event invites the public to make crafts from recycled items, view cloth and textile creations from local artists, and bring select items to be recycled. The event is free and open to all ages.

Next SAC Meeting

December 1 at 7:00 pm in Council Chambers