



MEMORANDUM

TO: City of Urbana Sustainability Advisory Commission
FROM: Scott R. Tess, Environmental Sustainability Manager
DATE: Tuesday, November 7, 2017
RE: Staff Report

Climate Action Plan Phase 2 Progress

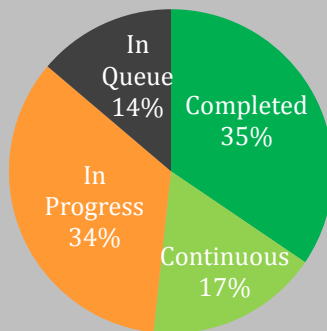
Goal 1: Action 6 Evaluate opportunities to retrofit existing outdoor lighting with more energy efficient lighting

The City has received a draft Investment Grade Audit from our energy services company. The document presents a large number of energy saving opportunities in City facilities and streetlights. The draft audit finds approximately 3600 street lights and parking lot lights that would benefit from an LED upgrade. A final Investment Grade Audit is forthcoming. This item has been marked complete in plan tracking.

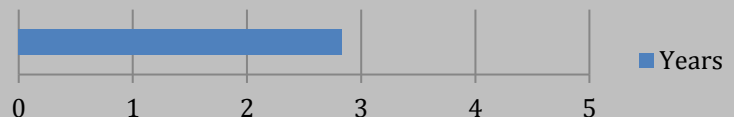
Goal 3: Action 4 Propose strategies to improve the local onsite renewable energy market

Solar Urbana-Champaign 2.0 has come to a close with 447 kilowatts (kW) of clean solar energy contracted for installation on 58 homes and businesses in Champaign County. As a whole, we estimate that the 58 participants will save over \$57,000 in utility costs their first year, producing a combined total of over 522,000 kWh of clean solar energy annually. The environmental benefits of the Solar UC program are equally impressive. We estimate that over 639,000 pounds of CO₂ and nearly 10 million gallons of water will be offset in the first year alone by using this renewable source of energy rather than fossil fuel generated electricity. Staff is now exploring the possibility of another round of the Solar Urbana-Champaign program with the Midwest Renewable Energy Association.

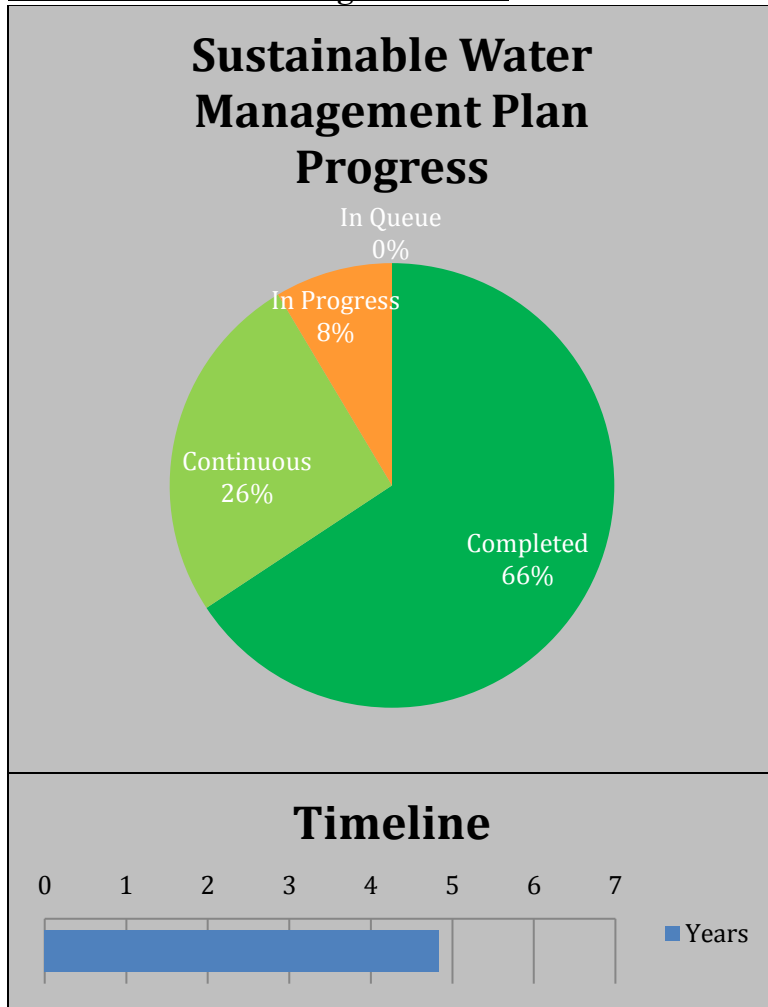
Climate Action Plan Phase 2 Progress



Timeline



Sustainable Water Management Plan



Additional Public Engagement

Staff hosted a Natural Resources and Environmental Sciences class at the Public Works building to discuss environmental careers.

U-Cycle

Staff is working with a graduate student to survey and improve the impact of the U-Cycle Brochures. The survey is posted on the City’s home page under “Notices and Alerts.” We will have the survey up for 90 days and then the student will compile the survey data. The results are expected to assist in future amendments to the U-Cycle brochure in 2018. This brochure is typically mailed to all addresses every two years.

Next SAC Meeting

December 5 at 7:00 pm in Council Chambers