



## MEMORANDUM

**TO:** City of Urbana Sustainability Advisory Commission  
**FROM:** Scott R. Tess, Environmental Sustainability Manager  
**DATE:** Tuesday, March 4, 2014  
**RE:** Staff Report

### Annual Plan

<u>MONTH</u>	<u>TASK</u>
January	Canceled
February	Climate Impacts study at SAC
March	Climate Adaptation study at SAC, Behaviors review, Council Goals
April	Climate Adaptation study at SAC
May	Climate Impacts and Adaptation Review, GHG Inventory
June	GHG Inventory
July	CAP Phase 2 at SAC
August	CAP Phase 2 Draft Agreed by SAC , Plan Commission Review
September	CAP Phase 2 Public comment received by SAC
October	CAP Phase 2 Final draft w/ comment at COTW
November	CAP Phase 2 Final draft w/ COTW comment at SAC
December	CAP Phase 2 Final draft w/ all edits to COTW and City Council

### Climate Action Plan (CAP)

#### Goal 1: Action 1

There are currently 42 buildings registered for the U-C ENERGY STAR Challenge.

Results from our commercial energy efficiency behaviors survey are attached.

#### Goal 2: Action 2

Findings of an MTD survey are contained in the Mobility Implementation Plan (miPLAN) available at [http://www.ihavemiplan.com/shared/pdfs/employee\\_report\\_spring07.pdf](http://www.ihavemiplan.com/shared/pdfs/employee_report_spring07.pdf). “The purpose of miPLAN is to: Find out what mobility options Champaign, Urbana & Savoy want as a community, both now and in the future, and then craft a plan to bring those options to fruition.” A summary of this report is attached to satisfy Goal 2: Action 2 as well as the full report.

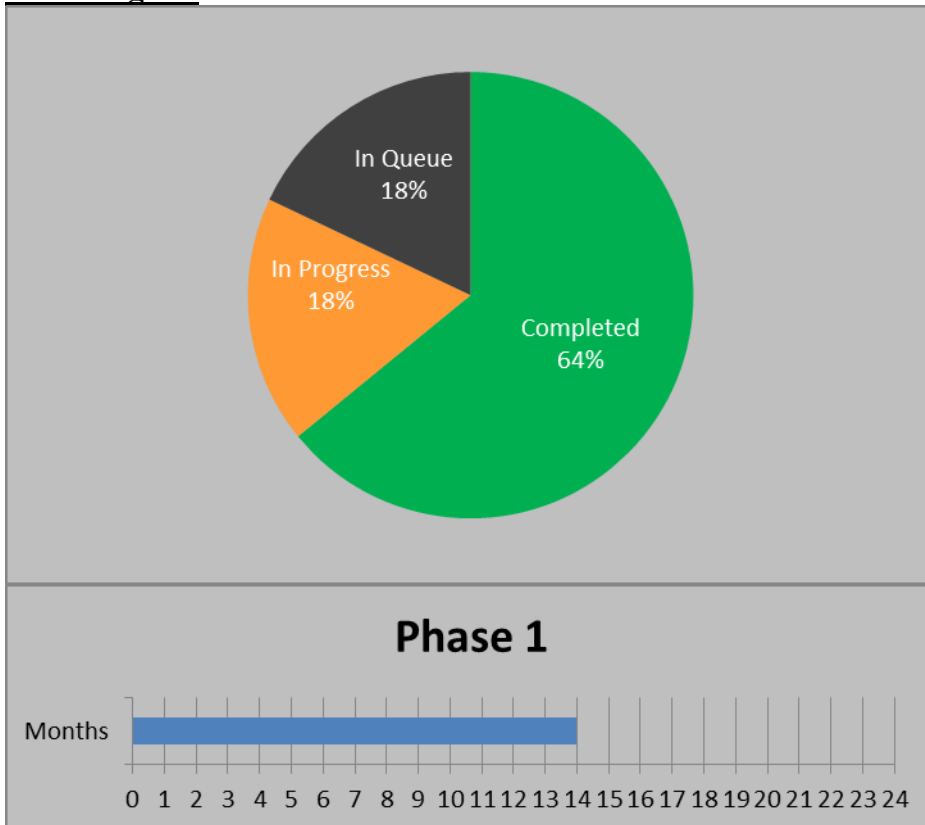
## Goal 5: Action 5

ICLEI has created new greenhouse gas modeling and forecasting software. Urbana was provided early access to the program before its official launch. The program is now cloud based with a modern graphical user interface. While the program is a dramatic improvement over the previous tool, it still requires a great amount of time to set up and input data and leaves room for further automation improvements in the future.

The screenshot shows the ICLEI web application interface. At the top, it says "Local Governments for Sustainability USA" and "Jurisdiction: Urbana, IL". Below that is a navigation bar with "Home", "About ICLEI", "Inventories", "Factor Sets", "Forecasts", "Planning", and "Reports". A secondary menu lists various energy categories: Residential Energy, Commercial Energy, Industrial Energy, Transportation & Mobile Sources, Water & Wastewater, Agriculture, Solid Waste, and Process & Fugitive Emissions. The main content area is titled "Inventory Records for Residential Energy" and includes a table of records and a bar chart of CO2e emissions.

Record	CO2e (metric tons)
2007 Res Fuel Oil/Kerosene	~100k
2007 Res LPG	~25k
2007 Res Utility Gas	~40k
2007 Res Grid Electricity	~105k

## CAP Progress



## Energy

Urbana is participating in a test pilot of energy management software with the Smart Energy Design Assistance Center. The project runs real-time building energy use data into a program that provides different types of displays for the data informing building manager decision making. The publicly accessible data dashboard is available at <http://buildingdashboard.net/urbana/#/urbana>.

**Sustainable Water Management Plan**

**Aspect 1: Goal 1-Action 2**

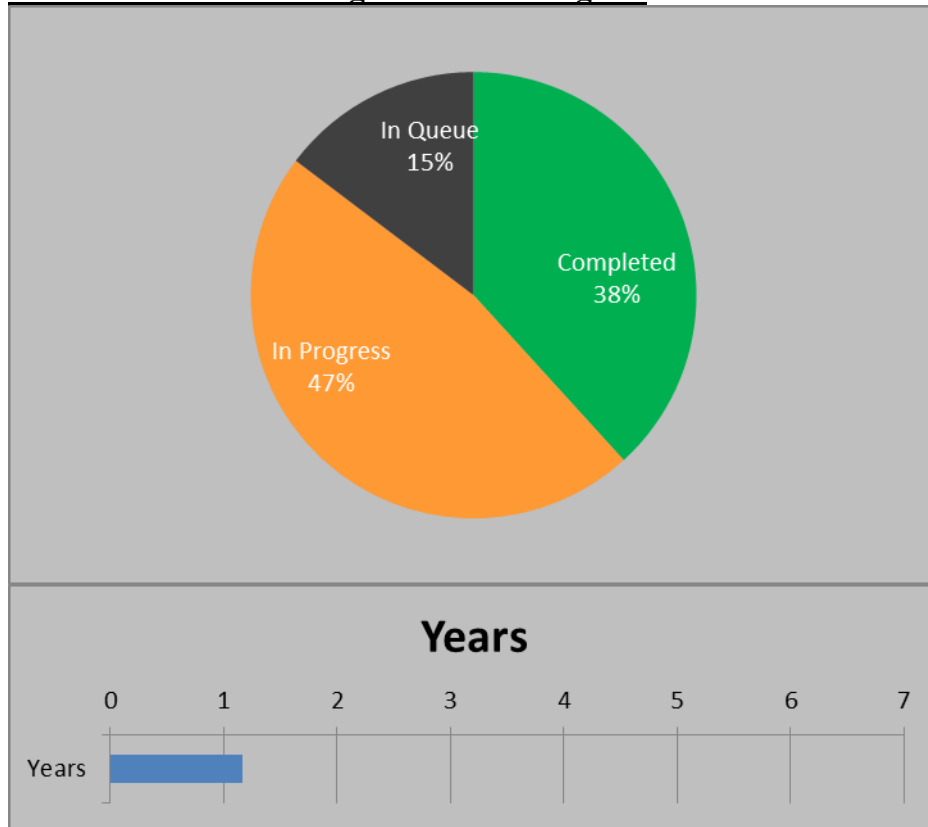
We have sent out an RFP for a one day rain barrel and compost bin sale for May 17. Previous sales results are as follows:

<b>Years</b>	<b>Rain Barrels</b>	<b>Compost Bins</b>
2011	500	500
2013	450	173

**Aspect 1: Goal 2-Action 1**

Facilities staff currently retrofitting faucet aerators in the city to low-flow models. They are also taking the opportunity to inventory all toilet flush rates in anticipation of future retrofits.

**Sustainable Water Management Plan Progress**



**Next SAC Meeting**

Tuesday, April 1 at 7:00 pm in Council Chambers.