

ENVIRONMENTAL SUSTAINABILITY

ANNUAL REPORT: 2015

City of Urbana, Illinois

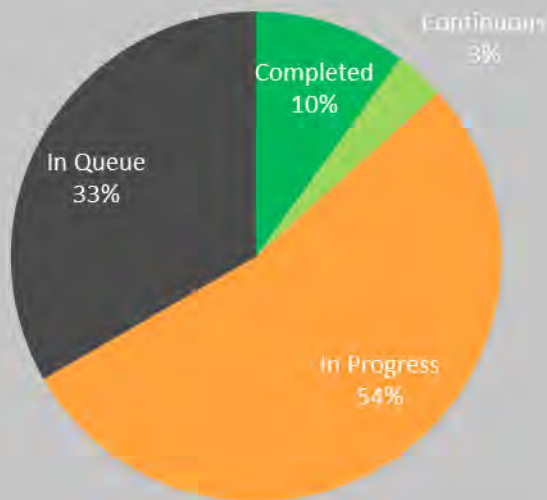
ENVIRONMENTAL SUSTAINABILITY DIVISION

The Environmental Sustainability Division works to improve the performance of energy, water, and waste management while reducing sanitary nuisances. Specifically, the Division administers community energy efficiency and water conservation efforts while working with City staff to also save energy and water. The Division operates the U-Cycle single-family and multi-family recycling service as well as conducting engagement with City staff to reduce waste. The Division enforces nuisance vegetation and refuse codes as well as waste hauler licensing rules while engaging community groups to “adopt” street sections for litter collection through the Adopt Urbana program. Finally, the Division manages the Municipal Electric Aggregation program and the concomitant purchase of renewable energy credits. For more information, visit <http://urbanaillinois.us/sustainability>.

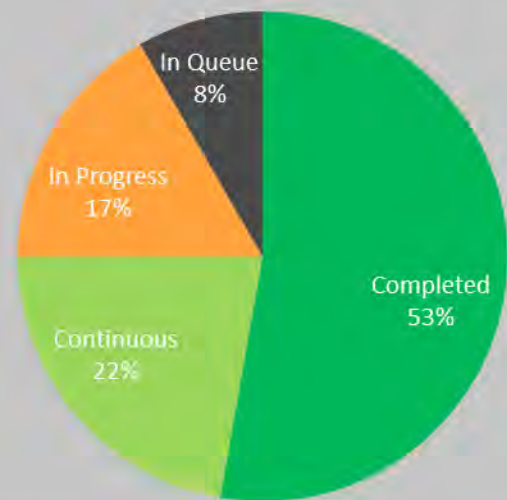
Environmental Sustainability Division Budget FY 2015-2016

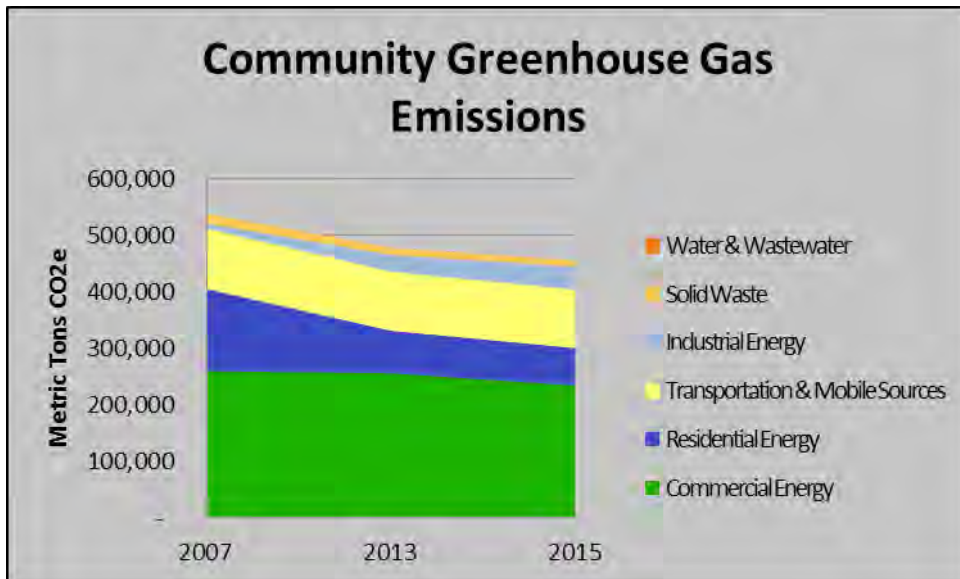
| Category | Budget |
|---|---------------------|
| U-Cycle -staffing, contract collection, carts, public engagement | \$743,427.00 |
| Sustainability and Environmental Compliance -staffing, energy, water, nuisance abatement | \$245,903.00 |
| Total | \$989,330.00 |

Climate Action Plan Phase 2 Progress

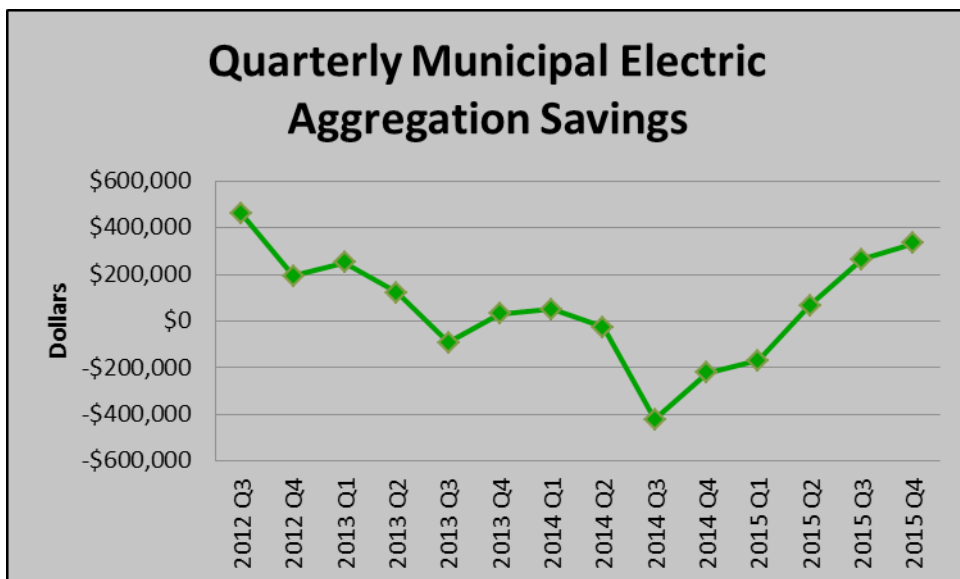


Sustainable Water Management Plan Progress





Additional Information
 The reduction in greenhouse gas emissions in the Residential Energy sector as compared to the 2007 baseline is primarily attributable to the purchase of Renewable Energy Credits in the City’s Municipal Electric Aggregation program. Overall community emissions declined 5% between 2013 and 2015.



Featured Project
 The City of Urbana received a technical assistance award through Illinois Grow Solar. The technical assistance has helped the City evaluate its planning, zoning, and permitting of rooftop solar installations. It has also assisted with a solicitation for rooftop solar energy installations on City facilities and created a discounted solar energy purchasing opportunity for the community.

| City Facilities Greenhouse Gas Emissions (MTCO ₂ e) | 2014 |
|--|--------------|
| Buildings and Facilities | 4,472 |
| Solid Waste Facilities | 57 |
| Street Lights and Traffic Lights | 1,295 |
| Vehicle Fleet | 1,031 |
| Total | 8,869 |

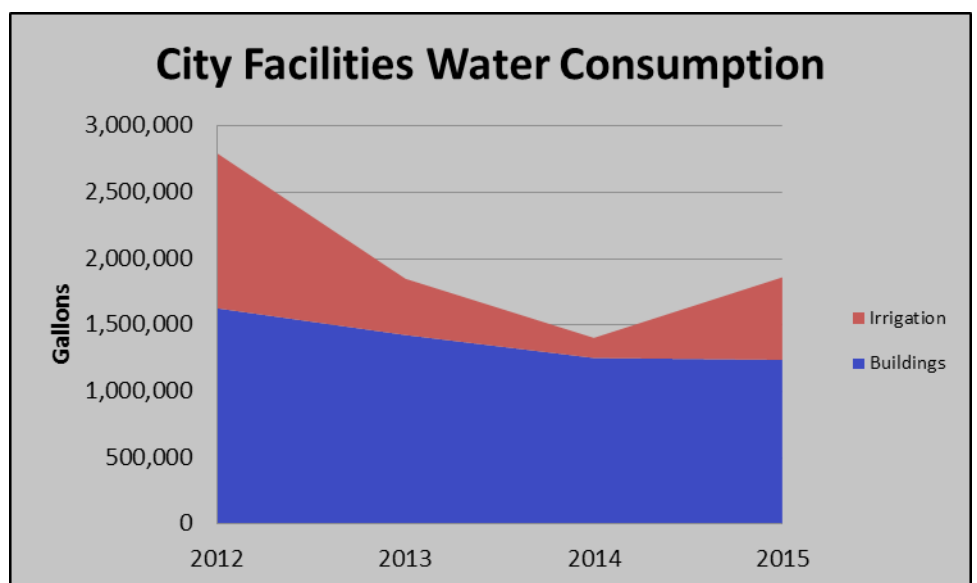
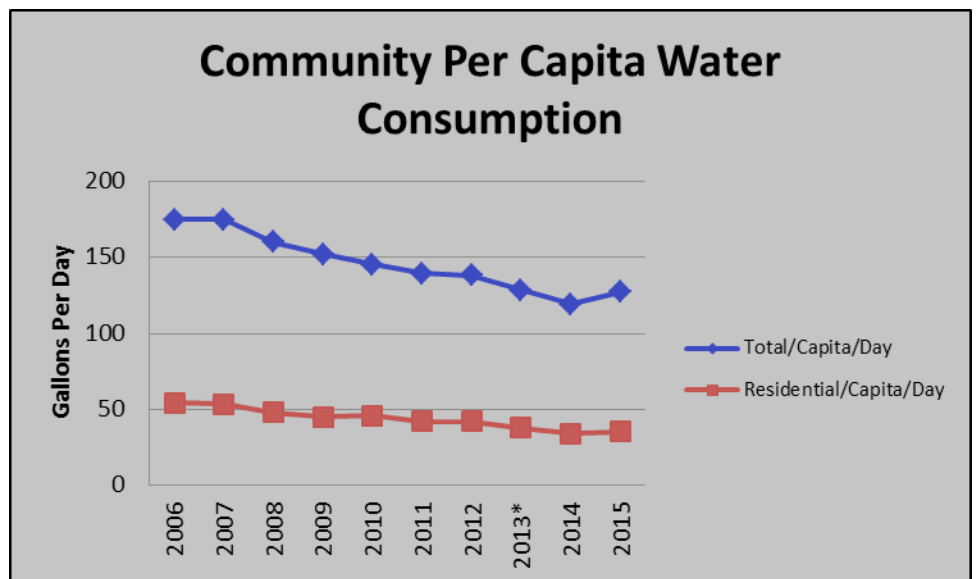
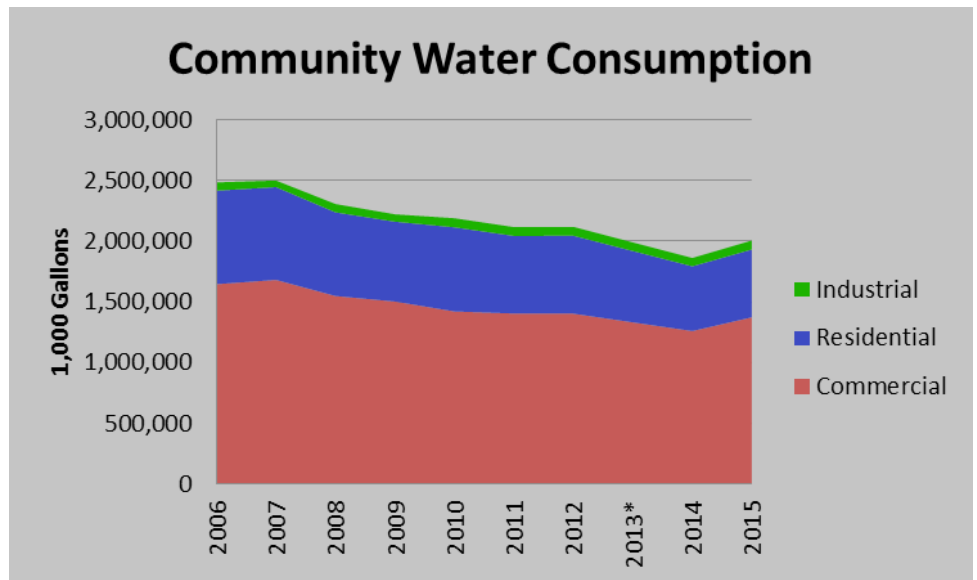


Additional Information

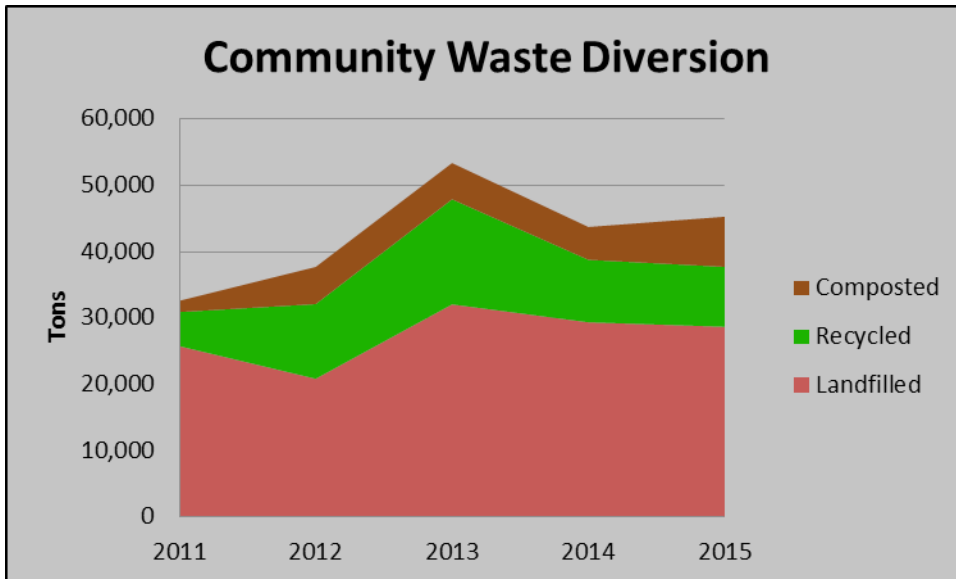
The Community Water Consumption chart shows proportional water consumption by sector in the community over time. *2013 data in this chart is estimated since actual data is not available from Illinois American Water.

Featured Project

The City of Urbana received a sponsored research grant from the Illinois Sustainable Technology Center at the Prairie Research Institute. The purpose of the study was to install irrigation controls on existing automatic irrigation systems to determine if such controls contribute to a reduction in water use without harming the health of the plants. Evidence that the controls save water were inconclusive for 2015 due to the very high amount of precipitation during the summer of 2015.

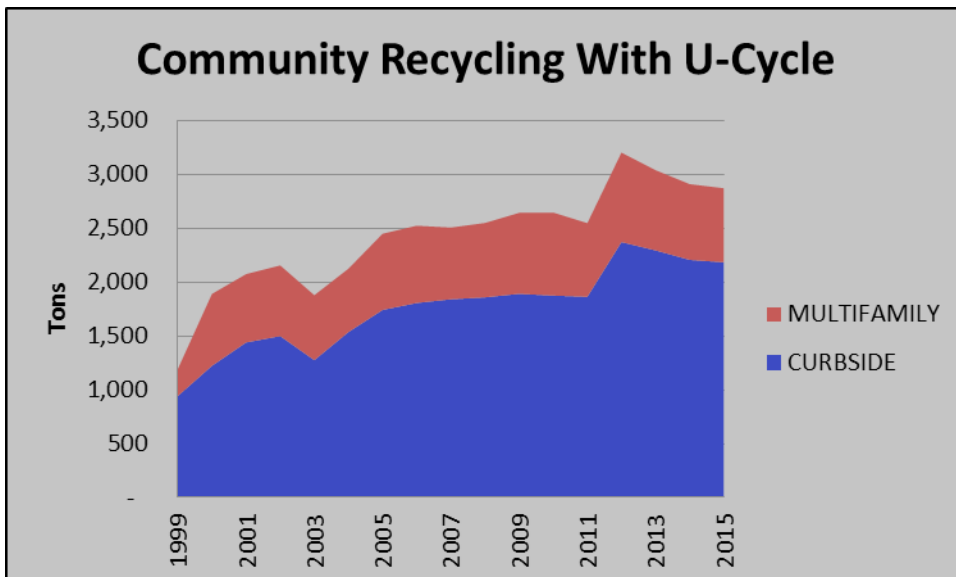


* 2013 community water data is estimated.



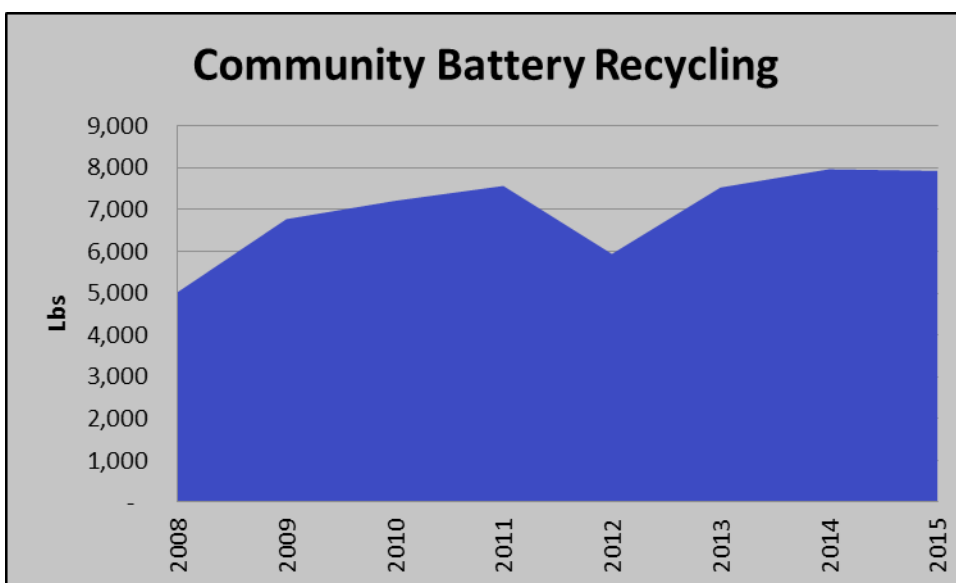
Additional Information

The Community Waste Diversion chart shows proportional waste, recycling, and composting over time. In 2015, total waste diversion was 37%.



Featured Project

The City of Urbana in partnership with the City of Champaign and Champaign County conducted two electronics recycling events in 2015 where over 110 tons of electronics were collected. Televisions accounted for 67% of all materials. Costly CRT glass found in older model tube TVs and monitors is frustrating efforts to economically recycle electronics.



Additional Information

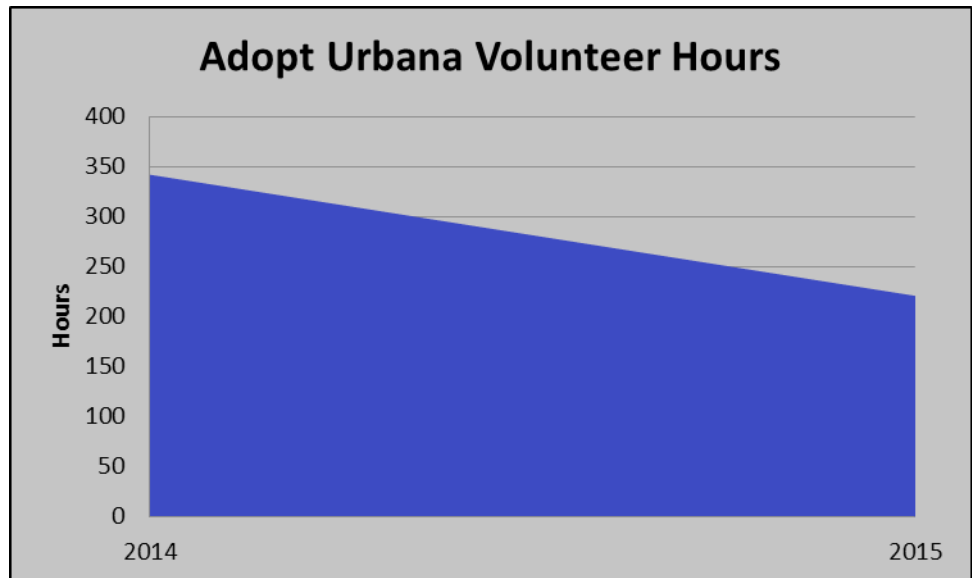
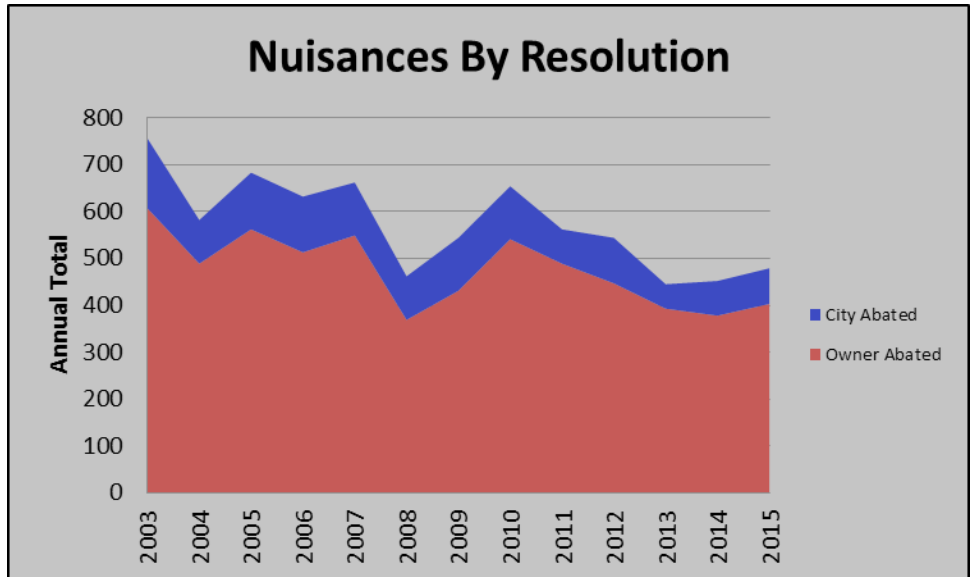
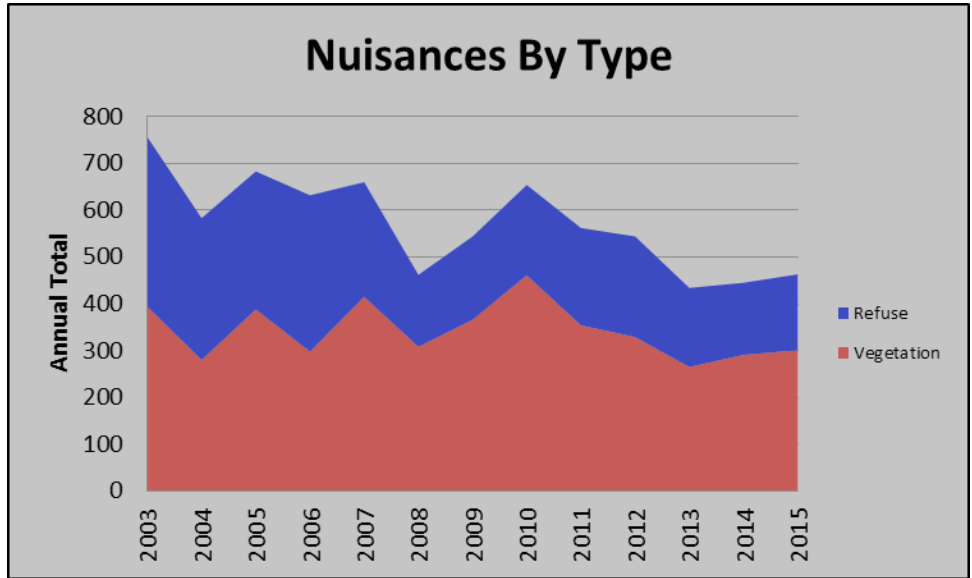
The City of Urbana offers single-use and rechargeable battery recycling at five drop-off locations. Between 2008 and 2015 there has been a 58% increase in batteries recycled. Of the batteries recycled, 95% are alkaline batteries.

Additional Information

The Nuisances By Type chart shows the proportion of nuisances that are either vegetation or refuse. Sidewalk snow removal violations as well as noise ordinance violations are not shown due to the very low instances of these violations.

Featured Project

Improvements were made to the landfill leachate collection system for which the Environmental Sustainability Division provides testing support to the Engineering Division. Drainage improvements were made to the grounds surrounding the pump station. Also, an air stripper intended to remove volatile organic compounds was removed from the leachate collection system. The air stripper required a great deal of maintenance, but consistent testing showed that the air stripper was not necessary to meet the water quality parameters required for wastewater disposal at the Urbana-Champaign Sanitary District.



AWARDS & GRANTS



In 2015, the U.S. Environmental Protection Agency (EPA) selected the City of Urbana, Illinois as a national recipient of the 2014 WasteWise Local Government Partner of the Year award for accomplishments including:

- 20% improvement of waste diversion (waste prevention + recycling) in 2013 vs. 2012;
- Waste diversion accounted for 40% in the overall management of materials in 2013;
- Waste prevention accounted for 40% in overall management of materials in 2013.

The United States Conference of Mayors has presented Mayor Prussing and the City of Urbana an Honorable Mention award in the Small City category for the accomplishments of the Urbana-Champaign ENERGY STAR Challenge. The United States Conference of Mayors is an organization of 1,407 cities which supports mayors in developing tools, policies, and relationships to meet urban needs. The award was presented at the organization's annual meeting in San Francisco, CA on June 19, 2015.



The Urbana City Building was recognized as an Honorable Mention in the Illinois Green Office Challenge finishing in the Top 10 out of 33 competitors. The City Building efforts were led by the City Green Team and focused on energy monitoring and management as well as water conservation and recycling.

The City of Urbana received a technical assistance grant from Grow Solar: A Midwest Partnership to Move Markets. The assistance is helping the City improve its planning, zoning, and permitting of rooftop solar, solicit bids for solar on City facilities, and lower the cost of rooftop solar installations for the community.



The Illinois Chapter of the American Planning Association has recognized Urbana's Sustainable Water Management Plan as a 2015 Illinois State Planning Award Winner in the Sustainability category. The Association's press release stated the award winners 'exemplify the practice of urban planning and each stand as an example of ways our members are "Making Great Communities Happen."