We’re ready to sort, anytime, anywhere.

ISTC has a mobile trailer equipped with proper sort equipment, lighting, and heating. We conducted this sort in the evenings during a cold week in December!
Zero Waste Solutions

WASTE CHARACTERIZATION RESULTS

Material Generation Profile

Green section is material currently being diverted from landfill.

Top three Divertable materials by weight

<table>
<thead>
<tr>
<th>Material</th>
<th>Vol/week (lb)</th>
<th>% of landfill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office paper</td>
<td>110</td>
<td>23%</td>
</tr>
<tr>
<td>Other recyclable</td>
<td>140</td>
<td>30%</td>
</tr>
<tr>
<td>Organics</td>
<td>150</td>
<td>31%</td>
</tr>
</tbody>
</table>

ABOUT THE ILLINOIS SUSTAINABLE TECHNOLOGY CENTER

ISTC is a division of the Prairie Research Institute at the University of Illinois at Urbana-Champaign. We are headquartered in Champaign and have offices in Oak Brook, Peoria, Godfrey.

Our mission is to be at the forefront of environmental and energy research and innovative technological advances that conserve natural resources and reduce wastes.

URBANA CITY BUILDING COMPLEX

OFFICE PAPER

Office Paper is the single largest category that is generated at the Urbana City Administration Building. Diverting just the office paper fraction from the waste stream would effectively decrease the landfill stream by about 23 percent. Actions to increase Office Paper recycling include:

- **Signage**: Put “No paper” signage on trash containers.
- **Individual trash containers**: Remove all the trash cans from individual desks is removed and only a comimgled recycling container is placed. All trash containers to be moved to common hallways and break rooms.
- **Printer settings**: Change the default settings for all printers to print double sided
- **Purchasing**: Purchase lower grade paper for departments that use most of their printing for internal purposes.

OTHER RECYCLABLES

Other recyclables includes cardboard, plastic, glass, and aluminum containers. Each week, approximately 140 pounds of these materials do not make it into a recycling bin! We recommend:

- **Conduct training for employees**: Host lunch time training and include a demonstration of what is/isn’t recycled, how, and where.

ORGANICS

Most municipal-scale organics collection programs include all types of food scraps, including meat, bones, and cooked food. The Urbana area does not yet have such a system in place, so we made the following recommendations:

- **On-site composter**: Consider installing drum-composting units in the garage/outdoor area of the building. The drum composter can serve as a pilot organics diversion effort for other city buildings.
- **Start collecting organics separately**: Even though there isn’t an end market for organic waste currently available for the area, getting the staff acclimatized to the idea will ease the transition once there is an end market for organics collection.

NEXT STEPS

ISTC is partnering with the Center for People and Infrastructure to develop a mathematical model for determining what factors influence recycling and waste diversion behaviors. The methods developed through this partnership will be applied at the City of Urbana Administration Building to achieve maximum waste diversion compliance and results.

istc.illinois.edu