10/20/2020

Mr. Nick Jackson, Chair
Knox Municipal Solid Waste Region
205 West Baxter Avenue
Knoxville, TN 37917

Dear Mr. Jackson:

The Solid Waste Management Act of 1991 set a goal that each municipal solid waste (MSW) region in the State of Tennessee shall reduce Class I MSW landfill disposal and incineration by twenty-five percent (25%) since 1995 on a per capita basis. If regions do not achieve this reduction, rules allow the Department to use a real-time comparison methodology to determine whether 25% of the MSW generated in the current year was diverted or recycled.

Based on the information submitted in the 2019 Annual Progress Report, the MSW Region **achieved the 25% waste reduction and diversion goal**. Using the base year methodology, the region achieved a 16% (decrease since 1995) but using the real-time comparison methodology the region achieved a 50% (amount diverted or recycled) reduction.

If you should have any questions, please contact us at (615) 532-0780 or by email at Trey.White@tn.gov, Ashby.Barnes@tn.gov, Bishop.Wagener@tn.gov, or Christina.Perez@tn.gov.

Sincerely,

[Signature]

Ashby Barnes

Recovered Materials Staff

CC: The Honorable Glenn Jacobs, Knox County Mayor
    Drew Thurman, Knox County Solid Waste Director
    John LeCroy, Regional Director for External Affairs
    Tim Hendrick, East Tennessee Development District
Purpose of Document
The following is an update to the Regional Solid Waste Plan and an annual progress report on public and privately funded regional solid waste efforts. Waste and recycling totals conveyed in this document are estimates entered into an online reporting software called Re-TRAC. Regular solid waste plan updates and annual reporting to the Tennessee Department of Environment and Conservation (TDEC) is required under state law. Efforts are made to capture all available waste and recycling data but actual totals may differ from estimates entered into Re-TRAC. TDEC reserves the right to adjust numerical waste, recycling, and diversion totals the region reports if they have reason to believe the numbers should be changed. TDEC officials review and issue a letter on the status of the reporting later in the calendar year.

The Knox County Regional Solid Waste Board is presented the following information at a publicly held and properly noticed meeting. The Board votes to accept the reporting and empowers the chair to sign off electronically on the final document. The Board Chair signoff and the final acknowledgment by the Knox County Mayor are completed in Re-TRAC. This plan will be used by the Solid Waste Board and by local solid waste offices for guidance in making solid waste decisions and to help formulate solid waste policies for the region. For questions about this document or solid waste assistance within Knox County contact Knox County Solid Waste at 865-215-5865 or send an email to solidwaste@knoxcounty.org.
References in T.C.A. about Plans and Annual Reporting
This document and the reporting through Re-Trac satisfy the following statutes.

**T.C.A. 68-211-814** Municipal solid waste region plans — Authority of region or solid waste authority after approval. —

**T.C.A. 68-211-815** Municipal solid waste region plans — Contents. —

**T.C.A. 68-211-871** Annual report — Contents — Annual progress report — Sanctions for noncompliance — Annual reports by recovered materials facilities. —

Addendum at end of Document:

Knoxville Area Facts & Figures 2019 (Knox - Knox County Planning)
## Regional Planning Contacts

### Planning Region Report Author

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report Author:</td>
<td>Drew Thurman</td>
</tr>
<tr>
<td>Author Title:</td>
<td>Knox County Solid Waste Director</td>
</tr>
<tr>
<td>Organization:</td>
<td>Knox County Government</td>
</tr>
<tr>
<td>Address:</td>
<td>205 W. Baxter Ave</td>
</tr>
<tr>
<td>City:</td>
<td>Knoxville</td>
</tr>
<tr>
<td>Zip:</td>
<td>37917</td>
</tr>
<tr>
<td>Phone:</td>
<td>865-215-5865 (###)###-#### ext. ####</td>
</tr>
<tr>
<td>Mobile:</td>
<td>(###)###-#### ext. ####</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:solidwaste@knoxcounty.org">solidwaste@knoxcounty.org</a></td>
</tr>
</tbody>
</table>

### Solid Waste Regional Planning Board or Part 9 Authority

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair:</td>
<td>Nick Jackson</td>
</tr>
<tr>
<td>Address:</td>
<td>205 W. Baxter Ave</td>
</tr>
<tr>
<td>City:</td>
<td>Knoxville</td>
</tr>
<tr>
<td>Zip:</td>
<td>37917</td>
</tr>
<tr>
<td>Phone:</td>
<td>865-215-5865 (###)###-#### ext. ####</td>
</tr>
<tr>
<td>Mobile:</td>
<td>(###)###-#### ext. ####</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:solidwaste@knoxcounty.org">solidwaste@knoxcounty.org</a></td>
</tr>
<tr>
<td>Term Expires:</td>
<td>03/31/2021</td>
</tr>
</tbody>
</table>

### Planning Board

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Waste Regional Planning Board Member or Part 9 Board Member</td>
<td>David Collins</td>
</tr>
<tr>
<td>Jurisdiction</td>
<td>Knox County</td>
</tr>
<tr>
<td>Term Expires</td>
<td>03/31/2021</td>
</tr>
<tr>
<td>Contact Method:</td>
<td>Phone, Email, Address</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:solidwaste@knoxcounty.org">solidwaste@knoxcounty.org</a></td>
</tr>
</tbody>
</table>
Planning Board
Solid Waste Regional Planning Board Member or Part 9 Board Member
Catherine Wilt
Jurisdiction
Knox County
Term Expires
03/31/2024
Contact Method:
☐ Phone ☐ Email ☐ Address
Email:
solidwaste@knoxcounty.org

Planning Board
Solid Waste Regional Planning Board Member or Part 9 Board Member
Kim Davis
Jurisdiction
Knox County
Term Expires
03/31/2024
Contact Method:
☐ Phone ☐ Email ☐ Address
Email:
solidwaste@knoxcounty.org

Planning Board
Solid Waste Regional Planning Board Member or Part 9 Board Member
Jay Price
Jurisdiction
City of Knoxville
Term Expires
03/31/2025
Contact Method:
☐ Phone ☐ Email ☐ Address
Email:
solidwaste@knoxcounty.org
Local Government Mayor or Executive:  * Glenn Jacobs
Title: Knox County Mayor
Address:  * 400 Main Street, Suite 615
City: Knoxville
Zip:  * 37902
Phone:  * 865-215-2005 (###)###-#### ext. ####
Mobile:  (###)###-#### ext. ####
Email: county.mayor@knoxcounty.org

Solid Waste Director:  Drew Thurman
Title: Solid Waste Director
Organization: Knox County Government
Address:  205 W. Baxter Ave.
City: Knoxville
Zip:  37917
Phone:  865-215-5865 (###)###-#### ext. ####
Mobile:  (###)###-#### ext. ####
Email: solidwaste@knoxcounty.org

Recycling Coordinator:  All Staff
Title: Multiple
Organization: Knox County Solid Waste
Address:  205 West Baxter Ave
City: Knoxville
Zip:  37917
Phone:  865-215-5865 (###)###-#### ext. ####
Mobile:  (###)###-#### ext. ####
Email: recycle@knoxcounty.org

1. Other Key Contacts
Name:  Patience Melnik
Title: Waste and Resources Manager
Organization: City of Knoxville
<table>
<thead>
<tr>
<th>Address:</th>
<th>400 Main St.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address 2:</td>
<td>Room 470</td>
</tr>
<tr>
<td>City:</td>
<td>Knoxville</td>
</tr>
<tr>
<td>State:</td>
<td>Tennessee</td>
</tr>
<tr>
<td>Zip:</td>
<td>37902</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:pmelnik@knoxvilletn.gov">pmelnik@knoxvilletn.gov</a></td>
</tr>
<tr>
<td>Work Phone:</td>
<td>865-215-4311</td>
</tr>
</tbody>
</table>

Area of Responsibility (Check all that apply):

- [✓] Recycling
- [✓] Solid Waste
- [✓] Education and Outreach
- [✓] Tires
- [✓] HHW
- [ ] Elected Official

Response created on: Feb 5, 2020 at 03:43 PM CST by Linnea.Boogades@knoxcounty.org

Response last updated on: Jun 16, 2020 at 10:51 AM CDT by recycle@knoxcounty.org
DEMOGRAPHIC INFORMATION (COMPLETED BY TDEC)

ANNUAL | 2019

Knox County

Instructions:
The State of Tennessee will input this information as it becomes available.

**Population Information**
Number of people in the regular population:
470,313

**Household Information**
Total number of households:
183,318

**Other Information**
Consumer Price Index:
255.66

Current Year Employment:
241,409

Taxable Sales:

Response created on: Apr 1, 2020 at 11:10 AM CDT by Bishop.Wagener@tn.gov

Response last updated on: Apr 24, 2020 at 10:19 AM CDT by Bishop.Wagener@tn.gov
Each Region submitted an original 10 Year Plan detailing the roles and responsibilities of those who provide solid waste and materials management services. Tennessee Code Annotated §68-211-814(a)(3) and Rule 0400-11-01-.09(3)(j) require each Region to submit an annual progress report covering the next ten (10) years that serves as routine update to the Region’s original 10 Year Plan. Similarly, Rule 0400-11-01-.09(3)(d) requires each county to develop a comprehensive integrative municipal solid waste management plan consistent with the 2015 – 2025 Solid Waste and Materials Management State Plan. Each county comprehensive integrative municipal solid waste management plan then modifies, updates and contributes to each Regions’ Plan, Rules 0400-11-01-.09(3)(e). Information provided in the following fields will serve as the county’s comprehensive integrative municipal solid waste management plan which informs updates to each Region’s annual progress report.

The Department understands that not all elements of the Plan change year to year. When answering the following questions, county/counties within the Region may elect to answer “No Update Required”. By choosing this option, the county’s contribution to the Region’s last update to the Department will be the most current 10 Year Planning Update. We encourage the Region to think about its plans for the next 10 Years and the updates needed to amend its original plan.

Thinking over the next 10 years, will any of the contents of the current Regional Plan need to be updated? The contents of the Municipal Solid Waste Region Plans, described in §68-211-815(b), are listed below. By selecting yes, there will be an opportunity to amend the section. By selecting no, the system will bring forward the last update and make it most current amendment. Tennessee Code Annotated requires Region plan amendments shall be consistent with the state solid waste plan.

☐ Yes
☐ No

Select each section(s) the Region would like to amend:

☐ Demographics
☐ Current System Analysis
☐ Adoption of the uniform financial accounting system required by §68-211-874
☐ Anticipated growth trends for the next ten-year period
☐ Anticipated waste capacity needs
☐ Planned capacity assurance, including descriptions of planned or needed facilities
☐ A recycling plan, including a description of current public and private recycling efforts and planned efforts to enhance recycling within the county or region
☐ A plan for the disposal of household hazardous wastes
☐ A description of waste reduction and recycling activities designed to attain the goal required by §68-211-861
☐ A description of education initiatives aimed at businesses, industries, schools, citizens and others; which addresses recycling, waste reduction, collection and other goals
☐ An evaluation of multi-county solid waste disposal region options with an explanation of the reasons for adopting or failing to adopt a multi-county regional approach
☐ A timetable for implementation of the plan
☐ A description of the responsibilities of the various participating jurisdictions
☑ A plan for managing solid waste generated as a result of disasters or emergencies, based upon the FEMA 325 Public Assistance Program
A Plan for Managing Solid Waste Generated as a Result of Disasters or Emergencies, Based Upon the FEMA 325 Public Assistance Program

Attach a copy of the Region's Most Current Disaster Debris Plan:

Additional Information:

Nothing has changed regarding Knox County and the Knox County Solid Waste Region with respect to our Emergency Debris Management Plan. We have a plan and our plan consists of relying on pre-event contracted services. These contracts were established in conjunction with the Knoxville Emergency Management Agency (KEMA). At our most recent Top 5 meeting there was some question as to whether we had a plan which I explained that our plan was contractual. To be sure I drafted the attached memo to sit in the binder of all our contract documents. But it just states what has been stated all along. For several years this has been our response in the APR
1. Convenience Centers

Are there permitted convenience centers in the county or its municipalities? *

☐ Yes  ☐ No

Permitted Convenience Center Name: *     Carter Convenience Center

Name not listed on the permit (Common Name):

Address: *     8815 Asheville Highway
City: *     Knoxville
Zip: *     37924
Permit: *     CCC470027 CCCxxxxxxxx
Phone Number: *     (856)215-5865 (xxx) xxx-xxxx

Select days of operation: *

☐ Sunday

☒ Monday

☒ Tuesday

☒ Wednesday

☒ Thursday

☒ Friday

☒ Saturday

Enter hours of operation, and include if there are split times and/or mid-day closures: *
Monday - Friday 8:00 am - 6:00 pm, Saturday 7:00 am - 3:00 pm, except holidays.

Does this site collect materials beside household garbage? *

☐ Yes
☐ No

What materials are collected? *

☑ Metals  ☑ Paper  ☐ Glass  ☑ Batteries
☑ Plastic  ☐ Textiles  ☐ Pallets  ☑ Tires
☑ Used Oil  ☑ Antifreeze  ☐ E-Scrap  ☐ Paint
☐ Other

If material is collected as 'single stream', please describe the specific materials that are included:

Number of residents that used the convenience center in 2019: 334,285

Permitted Convenience Center Name: * Dutchtown Convenience Center

Name not listed on the permit (Common Name):

Address: * 10618 Dutchtown Road
City: * Knoxville
Zip: * 37932
Permit: * CCC470022 CCCxxxxxxxx
Phone Number: * (865) 215-5865 (xxx) xxx-xxxx

Select days of operation: *

☐ Sunday
☑ Monday
☑ Tuesday
☑ Wednesday
☑ Thursday
☑ Friday
☑ Saturday

Enter hours of operation, and include if there are split times and/or mid-day closures: *

Monday - Friday 8:00 am - 6:00 pm, Saturday 7:00 am - 3:00 pm, except holidays

Does this site collect materials beside household garbage? *

☐ Yes
☐ No
What materials are collected? *

- ☑ Metals
- ☑ Paper
- ☑ Plastic
- ☑ Textiles
- ☑ Used Oil
- ☑ Antifreeze
- ☑ Other

If material is collected as 'single stream', please describe the specific materials that are included:

Number of residents that used the convenience center in 2019: 334,285

Permitted Convenience Center Name: * Halls Convenience Center

Name not listed on the permit (Common Name):

Address: * 3608 Neal Drive
City: * Knoxville
Zip: * 37918
Permit: * CCC470483 CCCxxxxxxxxx
Phone Number: * (865) 215-5865 (xxx) xxx-xxxx

Select days of operation: *

- ☑ Sunday
- ☑ Monday
- ☑ Tuesday
- ☑ Wednesday
- ☑ Thursday
- ☑ Friday
- ☑ Saturday

Enter hours of operation, and include if there are split times and/or mid-day closures: *

Monday - Friday 8:00 am - 6:00 pm, Saturday 7:00 am - 3:00 pm, except holidays

Does this site collect materials beside household garbage? *

- ☑ Yes
- ☐ No

What materials are collected? *

- ☑ Metals
- ☑ Paper
- ☑ Plastic
- ☑ Textiles
- ☑ Used Oil
- ☑ Antifreeze
- ☑ Batteries
- ☑ Glass
- ☑ Textiles
- ☑ Pallets
- ☑ Tires
- ☑ E-Scrap
- ☐ Paint
If material is collected as 'single stream', please describe the specific materials that are included:

Number of residents that used the convenience center in 2019: 334,285

Permitted Convenience Center Name: * John Sevier Convenience Center

Address: * 1950 West Governor John Sevier Highway
City: * Knoxville
Zip: * 37920
Permit: * CCC470449 CCCxxxxxxxx
Phone Number: * (865) 215 5865 (xxx) xxx-xxxx

Select days of operation: *

☐ Sunday
☒ Monday
☒ Tuesday
☒ Wednesday
☒ Thursday
☒ Friday
☒ Saturday

Enter hours of operation, and include if there are split times and/or mid-day closures: *

Monday - Friday 8:00 am - 6:00 pm, Saturday 7:00 am - 3:00 pm, except holidays

Does this site collect materials beside household garbage? *

☐ Yes
☒ No

What materials are collected? *

☒ Metals ☑ Paper ☐ Glass ☐ Batteries
☒ Plastic ☑ Textiles ☐ Pallets ☑ Tires
☒ Used Oil ☑ Antifreeze ☐ E-Scrap ☐ Paint
☒ Other

If material is collected as 'single stream', please describe the specific materials that are included:

Number of residents that used the convenience center in 2019: 334,285
### Karns Convenience Center

**Permitted Convenience Center Name:** Karns Convenience Center  
**Address:** 6930 Karns Crossing Lane  
**City:** Knoxville  
**Zip:** 37849  
**Permit:** CCC470563  
**Phone Number:** (865) 215-5865  
**Select days of operation:**  
- [ ] Sunday  
- [x] Monday  
- [x] Tuesday  
- [x] Wednesday  
- [x] Thursday  
- [x] Friday  
- [x] Saturday  
**Enter hours of operation, and include if there are split times and/or mid-day closures:**  
Monday - Friday 8:00 am - 6:00 pm, Saturday 7:00 am - 3:00 pm, except holidays  
**Does this site collect materials beside household garbage?**  
- [x] Yes  
- [ ] No  
**What materials are collected?**  
- [x] Metals  
- [x] Paper  
- [ ] Glass  
- [x] Batteries  
- [x] Plastic  
- [x] Textiles  
- [ ] Pallets  
- [x] Tires  
- [x] Used Oil  
- [x] Antifreeze  
- [x] E-Scrap  
- [ ] Paint  
- [ ] Other  
**If material is collected as ‘single stream’, please describe the specific materials that are included:**  
**Number of residents that used the convenience center in 2019:** 334,285

### Powell Convenience Center

**Permitted Convenience Center Name:** Powell Convenience Center  
**Address:** 7311 Morton View Lane

---

*Note: The page number is marked as 5/31, indicating it's part of a larger document.*
City: Knoxville
Zip: 37849
Permit: CCC470532 CCCxxxxxxxx
Phone Number: (865) 215-5865 (xxx) xxx-xxxx

Select days of operation:
- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday

Enter hours of operation, and include if there are split times and/or mid-day closures:
Monday - Friday 8:00 am - 6:00 pm, Saturday 7:00 am - 3:00 pm, except holidays

Does this site collect materials beside household garbage?
- Yes
- No

What materials are collected?
- Metals
- Paper
- Glass
- Batteries
- Plastic
- Textiles
- Pallets
- Tires
- Used Oil
- Antifreeze
- E-Scrap
- Paint
- Other

If material is collected as 'single stream', please describe the specific materials that are included:

Number of residents that used the convenience center in 2019: 334,285

Permitted Convenience Center Name: Tazewell/Gibbs Convenience Center
Name not listed on the permit (Common Name):
Address: 7201 Tazewell Pike
City: Knoxville
Zip: 37721
Permit: CCC470526 CCCxxxxxxxx
Phone Number: (865) 215-5865 (xxx) xxx-xxxx
2. Public Collection with Green Box (Rule 0400-11-01-.10(5)(a))

Does the county or its municipalities operate and use unmanned county collection containers or green boxes for municipal solid waste collection? *

- Yes
- No

3. List publicly operated curbside municipal solid waste programs

Do residents in the county or each municipality have access to municipal solid waste curbside service(s)? *

- Yes
- No

Select days of operation: *

- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday

Enter hours of operation, and include if there are split times and/or mid-day closures: *

Monday - Friday 8:00 am - 6:00 pm, Saturday 7:00 am - 3:00 pm, except holidays

Does this site collect materials beside household garbage? *

- Yes
- No

What materials are collected? *

- Metals
- Paper
- Glass
- Batteries
- Plastic
- Textiles
- Pallets
- Tires
- Used Oil
- Antifreeze
- E-Scrap
- Paint
- Other

If material is collected as ‘single stream’, please describe the specific materials that are included:

Number of residents that used the convenience center in 2019: 334,285
<table>
<thead>
<tr>
<th>COUNTY/MUNICIPALITY</th>
<th>HOW IS COLLECTION MANAGED?</th>
<th>FREQUENCY COLLECTED</th>
<th>COLLECTION METHOD</th>
<th>ASIDE FROM HOUSEHOLD GARBAGE ARE RESIDENTS ABLE TO DISPOSE OF THE FOLLOWING AT THE CURB?</th>
<th>HOUSEHOLDS SERVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Knoxville</td>
<td>Publicly</td>
<td>Twice a week</td>
<td>Fully Automated</td>
<td>E-Scrap</td>
<td>60,000</td>
</tr>
<tr>
<td></td>
<td>Open Market</td>
<td>Once a week</td>
<td>Semi-automated</td>
<td>Bulky Waste</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nonexclusive Franchise</td>
<td>Every other week</td>
<td>Manual</td>
<td>White Goods</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contract</td>
<td></td>
<td></td>
<td>Brush</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Managed Competition</td>
<td></td>
<td></td>
<td>Tires</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

Provide additional explanation, if necessary:

City curbside trash to all single family, duplex up to 4 units. Residential City operates a paid trash program in the central business improvement district (subscription based). Daily to businesses and residents Downtown.

4. List publicly operated curbside recycling programs

Do residents in the county or each municipality have access to curbside recycling service(s)?

- Yes
- No

1. Curbside Program

  County or Municipality: City of Knoxville

  Public or Private Contract?

- Publicly
- Open Market
- Nonexclusive Franchise
- Contract
- Managed Competition

  Households Served: 30,000

  Materials Collected:

- Paper
- Plastics
- Glass
- Metal
- Other

  Type of Paper:

- Newsprint
- Cardboard
- Mixed Office Paper
Sorted Office Paper
☐ Cartons
☑ All Other Grades

Type of Plastics:
☐ PET #1
☑ HDPE #2
☐ PVC #3
☐ LDPE #4
☐ PP #5
☐ PS #6
☐ Other #7

Type of Metal:
☐ Steel
☐ Tin
☐ Iron
☐ Copper
☐ Aluminum Beverage Containers
☐ All Other Aluminum
☐ Bronze and Brass
☐ Oil Filters

Collection method:
☐ Separated
☐ Single Stream

Size of bin or cart:
☐ Bag
☐ 16-gallon bin
☐ 18-gallon bin
☐ 24-gallon bin
☐ 64-gallon bin
☐ 95-gallon cart
☐ Other

Frequency Collected:
☐ Once a week
☐ Every other week
☐ Monthly

Provide additional information, if necessary:
Residential is contracted services. Businesses are City operated.

5. List publicly operated recycling drop-off locations
Are there publicly operated recycling drop-off locations in the county or its municipalities not associated with convenience centers? *
Yes

<table>
<thead>
<tr>
<th>SITE NAME *</th>
<th>ADDRESS AND CITY *</th>
<th>LATITUDE *</th>
<th>LONGITUDE *</th>
<th>MATERIALS COLLECTED *</th>
<th>RESTRICTED ACCESS *</th>
<th>MANNED LOCATION *</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>West City Recycling Center</td>
<td>341 Parkvillage Road, Knoxville</td>
<td>35.9222</td>
<td>-84.0866</td>
<td>✅ Paper</td>
<td>✅ Glass</td>
</tr>
<tr>
<td>2</td>
<td>East City Recycling Center</td>
<td>210 Alice Street, Knoxville</td>
<td>35.9974</td>
<td>-84.8810</td>
<td>✅ Paper</td>
<td>✅ Glass</td>
</tr>
<tr>
<td>3</td>
<td>Downtown City Recycling Center</td>
<td>227 Willow Avenue, Knoxville</td>
<td>35.9705</td>
<td>-83.9172</td>
<td>✅ Paper</td>
<td>✅ Glass</td>
</tr>
<tr>
<td>4</td>
<td>North City Recycling Center</td>
<td>4440 Western Avenue, Knoxville</td>
<td>35.9721</td>
<td>-83.9886</td>
<td>✅ Paper</td>
<td>✅ Glass</td>
</tr>
</tbody>
</table>
Provide additional explanation, if necessary:
Public/private partnership with Goodwill and City of Knoxville. Manned during business hours, seven days a week.

6. List any recovery businesses that accept, buy, or process recyclable materials for the county or its municipalities.

Does the county or municipalities have recovery businesses that accept, buy, or process recyclable materials for the county or its municipalities? *
Yes

<table>
<thead>
<tr>
<th>FACILITY NAME *</th>
<th>ADDRESS AND CITY *</th>
<th>ZIP CODE *</th>
<th>WHAT RECYCLABLE MATERIALS ARE ACCEPTED, BOUGHT, OR PROCESSED? *</th>
<th>HOW ARE RECYCLABLE MATERIALS SORTED BEFORE BEING SENT TO SPECIFIC RECOVERY BUSINESS? *</th>
<th>HOW ARE RECYCLABLE MATERIALS PRICED? *</th>
</tr>
</thead>
<tbody>
<tr>
<td>South City Recycling Center</td>
<td>225 W. Moody Avenue, Knoxville</td>
<td>35.9375</td>
<td>✔️ Paper ✔️ Glass ✔️ Plastic ✔️ Metals</td>
<td>✔️ Yes ☐ No</td>
<td>☐ Yes ☐ No</td>
</tr>
</tbody>
</table>

| 5 |南城回收中心 | 225 W. Moody Avenue, Knoxville | 35.9375 | ✔️ Paper ✔️ Glass ✔️ Plastic ✔️ Metals | ✔️ Yes ☐ No | ☐ Yes ☐ No |

<table>
<thead>
<tr>
<th>6. List any recovery businesses that accept, buy, or process recyclable materials for the county or its municipalities.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does the county or municipalities have recovery businesses that accept, buy, or process recyclable materials for the county or its municipalities?</td>
</tr>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

| 1 | Goodwill Industries of Knoxville | 5307 Kingston Pike, Knoxville | 37919 | ✔️ Paper ✔️ Plastic ✔️ Metals ✔️ Glass | In-house manual | Via contract |

| 1 | Goodwill Industries of Knoxville | 5307 Kingston Pike, Knoxville | 37919 | ✔️ Paper ✔️ Plastic ✔️ Metals ✔️ Glass | In-house manual | Via contract |

| 2 | Green Energy Biofuel | 1756 Alcoa Highway, Knoxville | 37902 | ✔️ Paper ✔️ Plastic ✔️ Metals ✔️ Glass | In-house manual | Via contract |

| 2 | Green Energy Biofuel | 1756 Alcoa Highway, Knoxville | 37902 | ✔️ Paper ✔️ Plastic ✔️ Metals ✔️ Glass | In-house manual | Via contract |

<p>| 6 | South City Recycling Center | 225 W. Moody Avenue, Knoxville | 35.9375 | ✔️ Paper ✔️ Glass ✔️ Plastic ✔️ Metals | ✔️ Yes ☐ No | ☐ Yes ☐ No |</p>
<table>
<thead>
<tr>
<th></th>
<th>Company</th>
<th>Address</th>
<th>Zip Code</th>
<th>Recyclables</th>
<th>Handling Method</th>
<th>Payment Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Liberty Tires</td>
<td>1700 Transport Way, Knoxville</td>
<td>37914</td>
<td>☑ Pap ☑ Plas</td>
<td>In-house manual</td>
<td>Via contract</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>☐ Met ☐ Glas</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>☑ Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PLEASE SPECIFY: Tires</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>PSC Metals</td>
<td>5205 N National Drive, Knoxville</td>
<td>37914</td>
<td>☑ Pap ☑ Plas</td>
<td>In-house manual</td>
<td>Via contract</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>☑ Met ☐ Glas</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>☐ Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Southeastern Recycling</td>
<td>2518 Cherry Arcade St., Knoxville</td>
<td>37917</td>
<td>☑ Pap ☑ Plas</td>
<td>In-house manual</td>
<td>Via contract</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>☐ Met ☐ Glas</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>☑ Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PLEASE SPECIFY: Carpet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Spectra</td>
<td>1627 Robert C. Jackson Dr., Maryville</td>
<td>37801</td>
<td>☑ Pap ☑ Plas</td>
<td>In-house manual</td>
<td>Via contract</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>☑ Met ☑ Glas</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>☐ Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>#</td>
<td>Recycler</td>
<td>Address</td>
<td>Zip Code</td>
<td>Commodity</td>
<td>Collection Method</td>
<td>Transport Method</td>
</tr>
<tr>
<td>----</td>
<td>---------------------------</td>
<td>----------------------------------------------</td>
<td>----------</td>
<td>-----------</td>
<td>-----------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>7</td>
<td>Westrock</td>
<td>1323 Proctor Street, Knoxville</td>
<td>37921</td>
<td>🌿 Paper 🌿 Plastic 🌿 Metals 🌿 Glass 🌿 Other</td>
<td>In-house automatic</td>
<td>Via contract</td>
</tr>
<tr>
<td>8</td>
<td>Certified Cylinder</td>
<td>3415 US 70, Crossville</td>
<td>38555</td>
<td>🌿 Paper 🌿 Plastic 🌿 Metals 🌿 Glass 🌿 Other</td>
<td>In-house manual</td>
<td>Via contract</td>
</tr>
<tr>
<td>9</td>
<td>Enterprise Waste Oil Co., Inc.</td>
<td>5201 Middlebrook Pike, Knoxville</td>
<td>37921</td>
<td>🌿 Paper 🌿 Plastic 🌿 Metals 🌿 Glass 🌿 Other</td>
<td>In-house manual</td>
<td>Via contract</td>
</tr>
<tr>
<td>10</td>
<td>Green Wave Computer Recycling</td>
<td>9206 East 33rd St, Indianapolis IN</td>
<td>46235</td>
<td>🌿 Paper 🌿 Plastic 🌿 Metals 🌿 Glass 🌿 Other</td>
<td>In-house manual</td>
<td>Via contract</td>
</tr>
</tbody>
</table>

Provide additional explanation, if necessary:

IF NEEDED distinguish between regular vendor, vs partial, vs not used. See additional list of recyclers in Attachments

7. List any restrictions or bans placed on wastes collected in the county or each municipality

Does the county or municipalities have any restrictions or bans placed on wastes collected? *

Yes
## 1. Restriction or Ban

<table>
<thead>
<tr>
<th>County or Municipality:</th>
<th>Knox County</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select materials:</strong></td>
<td></td>
</tr>
<tr>
<td>☒ Paper</td>
<td>☐ Plastics</td>
</tr>
<tr>
<td>☐ E-Scrap</td>
<td>☒ Organics</td>
</tr>
<tr>
<td>☐ Other</td>
<td>☐ Glass</td>
</tr>
</tbody>
</table>

| **Types of metal:**     |             |
| ☒ Steel                 | ☐ Tin       |
| ☐ Iron                  | ☒ Copper    |
| ☐ Aluminum Beverage Containers | ☒ All Other Aluminum |
| ☒ Bronze and Brass      | ☐ Oil Filters |

| **Types of organics:**  |             |
| ☒ Yard Trimmings        | ☒ Inert Debris |
| ☐ Food Wastes           | ☒ Green Wastes |

Provide additional explanation, if necessary:

County restricts organics and inert debris and metal from MSW stream. Organics are sent to green waste facilities, inert debris to C&D landfills and source separate metals.

## 8. Check all obstacles that apply to expanding recycling in the county or its municipalities.

1. **Obstacle**

<table>
<thead>
<tr>
<th>County or Municipality:</th>
<th>Knox County</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select obstacles:</strong></td>
<td></td>
</tr>
<tr>
<td>☒ Funding</td>
<td>☒ Citizen apathy</td>
</tr>
<tr>
<td>☐ Lack of support</td>
<td>☐ Education</td>
</tr>
<tr>
<td>☒ Markets</td>
<td>☒ Staff</td>
</tr>
<tr>
<td>☐ Other</td>
<td></td>
</tr>
</tbody>
</table>

2. **Obstacle**

<table>
<thead>
<tr>
<th>County or Municipality:</th>
<th>City of Knoxville</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select obstacles:</strong></td>
<td></td>
</tr>
<tr>
<td>☒ Funding</td>
<td>☐ Citizen apathy</td>
</tr>
<tr>
<td>☐ Lack of support</td>
<td>☒ Education</td>
</tr>
<tr>
<td>☒ Markets</td>
<td>☐ Staff</td>
</tr>
<tr>
<td>☐ Other</td>
<td></td>
</tr>
</tbody>
</table>

Provide additional explanation, if necessary:

Only collects items if there is a market available. Without robust markets citizen’s are not encouraged to continue recycling. Citizens are less likely to participate in source separated drop offs.

## 9. Management of Organics
Does the county or its municipalities manage organics? *

- Yes
- No

<table>
<thead>
<tr>
<th>COUNTY OR MUNICIPALITY *</th>
<th>MATERIALS COLLECTED OR DIVERTED (CHECK ALL THAT APPLY) *</th>
<th>PRODUCTS PRODUCED (CHECK ALL THAT APPLY) *</th>
<th>WHO PERFORMS THE SERVICES? (CHECK ALL THAT APPLY) *</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Knoxville</td>
<td>Land-clearing debris</td>
<td>Mulch</td>
<td>Publicly operated</td>
</tr>
<tr>
<td></td>
<td>Yard-trimmings</td>
<td>Compost</td>
<td>Public Ownership and Private Operation</td>
</tr>
<tr>
<td></td>
<td>Pre-consumer food and produce</td>
<td>Land Application</td>
<td>Private Ownership and Private Operation</td>
</tr>
<tr>
<td></td>
<td>Post-consumer food and produce</td>
<td></td>
<td>Private Processing on Public Land</td>
</tr>
<tr>
<td></td>
<td>Bio-Solids</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Provide additional explanation, if necessary:
The mulch facility is privately owned and contracts with the city.

10. Assistance for Backyard Composting

Does the county or its municipalities offer assistance for backyard composting? *

- Yes
- No

11. Disaster Debris or Storm Event

In the last year, did a disaster debris or storm event increase the tonnage of organics diversion or disposal for the county or its municipalities? *

- Yes
- No

Does your local government have a disaster debris plan? *

- Yes
- No

1. County/Municipality

County/Municipality: * City of Knoxville

Organics Diversion Estimate: * 29,547.00 Tons
Organics Disposal Estimate: * 0.00 Tons

1. Disaster Debris Plan

County/Municipality: * Knox County
12. Recycling Services for Other Entities Beside Residents

Does the county or its municipalities offer recycling services to other entities besides residents? *

☐ Yes  ☐ No

Provide additional information, if necessary:
Glass is not collected at curbside single stream, but is collected at the recycling centers.

<table>
<thead>
<tr>
<th>COUNTY OR MUNICIPALITY</th>
<th>SERVICE(S) PROVIDED (CHECK ALL THAT APPLY)</th>
<th>MATERIAL(S) COLLECTED (CHECK ALL THAT APPLY)</th>
<th>NUMBER OF COMMERCIAL ENTITIES SERVED</th>
<th>NUMBER OF INDUSTRIAL ENTITIES SERVED</th>
<th>NUMBER OF INSTITUTIONAL ENTITIES SERVED</th>
<th>NUMBER OF SPECIAL EVENTS SERVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Knoxville</td>
<td>☑ Curbside</td>
<td>☑ Paper</td>
<td>150</td>
<td>0</td>
<td>0</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>☐ Container s</td>
<td>☑ Plastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>☑ Drop-off Locations</td>
<td>☑ Metals</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>☑ Glass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>☐ Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13. What methods do the county and each municipality use to collect, transport and dispose of their municipal solid waste?

1. County/Municipality

County/Municipality: * Knox County

Who is the primary collector: (Check all that apply) *

☑ Publicly

☑ Open Market

☐ Nonexclusive Franchise

☑ Contract

☐ Managed Competition
Collection-Transportation Equipment: (Check all that apply) *

☑ Side Load Refuse Trucks
☑ Front Load Trucks
☑ Rear Load Trucks
☑ Roll-off Trucks

Please specify the # of Side Load Refuse Trucks: * 0
Please specify the # of Front Load Trucks: * 0
Please specify the # of Rear Load Trucks: * 0
Please specify the # of Roll-off Trucks: * 3

Hauling and Transportation Destination: (Check all that apply) *

☑ Materials sent to Transfer Station
☑ Direct haul to landfill (No Transfer Station)
☐ Materials sent to Solid Waste Processor
☐ Materials sent to Mixed Waste Processor
☐ Materials sent to Waste-to-Energy
☐ Materials sent to Incineration

2. County/Municipality

County/Municipality: * City of Knoxville

Who is the primary collector: (Check all that apply) *

☑ Publicly
☐ Open Market
☐ Nonexclusive Franchise
☑ Contract
☐ Managed Competition

Collection-Transportation Equipment: (Check all that apply) *

☑ Side Load Refuse Trucks
☐ Front Load Trucks
☑ Rear Load Trucks
☐ Roll-off Trucks

Please specify the # of Side Load Refuse Trucks: * 9
Please specify the # of Rear Load Trucks: * 6
14. What methods do the county and each municipality use to collect, transport, process or recycle their commodities?

1. County/Municipality

County/Municipality: * Knox County

Who is the primary collector: (Check all that apply) *

☑ Publicly

☑ Open Market

☐ Nonexclusive Franchise

☑ Contract

☐ Managed Competition

Collection-Transportation Equipment: (Check all that apply) *

☑ Side Load Recycling Trucks

☑ Front Load Trucks

☑ Rear Load Trucks

☑ Roll-off Trucks

Please specify the # of Side Load Recycling Trucks: * 0

Please specify the # of Front Load Trucks: * 0

Please specify the # of Rear Load Trucks: * 0

Please specify the # of Roll-off Trucks: * 3

Hauling and Transportation Destination: (Check all that apply) *

☐ Materials sent to Transfer Station

Provide additional explanation, if necessary:

City staff pickup downtown garbage in 2 rear loaders. Our contractor, Waste Connections, picks up all other curbside residential trash in side-loaders and rear loaders.
City staff pickup recycling from businesses and residences downtown in two rear loaders, Waste Connections uses a combination of side-loaders and one rear-loader to pickup curbside recycling, and Waste Connections moves our roll-offs from our recycling centers.

15. Education Efforts

1. Program
2. Program

Program Name: * Expos, Trade Shows, Public Outreach, & Consultation

Program Sponsor: * City of Knoxville and Knox County

Program Objective: * Persuade and Inform

Number Served: * County-Wide

Program Type: *

- Signage
- Brochures
- Classroom
- Community Outreach

- Mailings
- Newspaper
- Public Access TV
- Radio

- Special Events
- Social Media
- Website
- Workshops

- Other

Focus Area: *

- Solid Waste
- Recycling
- Diversion

- Source Reduction
- Organics
- Operational Functions (use of CCC, HHW Events, etc.)

Program Target Audience: *

- Adult/General Public
- Business/Industry
- Government/Institutional

- Children/Educators
- Media
- Civic/Environment

---

Program Name: * Community Recycling Events

Program Sponsor: * City of Knoxville, Knox County, Non-profits, Businesses

Program Objective: * Persuade and Inform

Number Served: * County-Wide

Program Type: *

- Signage
- Brochures
- Classroom
- Community Outreach

- Mailings
- Newspaper
- Public Access TV
- Radio

- Special Events
- Social Media
- Website
- Workshops

- Other

Focus Area: *

- Solid Waste
- Recycling
- Diversion

- Source Reduction
- Organics
- Operational Functions (use of CCC, HHW Events, etc.)

Program Target Audience: *

- Adult/General Public
- Business/Industry
- Government/Institutional

---

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### 3. Program

**Program Name:** Knox County Litter Prevention Education  
**Program Sponsor:** Knox County and Keep Knoxville Beautiful  
**Program Objective:** Persuade and Inform  
**Number Served:** County-Wide

**Program Type:**
- [x] Signage
- [x] Brochures
- [x] Classroom
- [x] Community Outreach
- [ ] Mailings
- [ ] Newspaper
- [ ] Public Access TV
- [ ] Radio
- [x] Special Events
- [x] Social Media
- [x] Website
- [x] Workshops
- [ ] Other

**Focus Area:**
- [x] Solid Waste
- [x] Recycling
- [x] Diversion
- [ ] Source Reduction
- [ ] Organics
- [x] Operational Functions (use of CCC, HHW Events, etc.)

**Program Target Audience:**
- [x] Adult/General Public
- [x] Business/Industry
- [x] Government/Institutional
- [x] Children/Educators
- [x] Media
- [x] Civic/Environment

### 4. Program

**Program Name:** Awards  
**Program Sponsor:** City of Knoxville, Knox County, Non-profits, Utilities, Businesses  
**Program Objective:** Inform  
**Number Served:** County-Wide

**Program Type:**
- [ ] Signage
- [ ] Brochures
- [ ] Classroom
- [x] Community Outreach
- [ ] Mailings
- [x] Newspaper
- [ ] Public Access TV
- [ ] Radio
- [x] Special Events
- [x] Social Media
- [x] Website
- [ ] Workshops
- [ ] Other

**Focus Area:**
- [x] Solid Waste
- [x] Recycling
- [x] Diversion

---

2020 Plan Update Reporting 2019 Data: Page 30 of 63
<table>
<thead>
<tr>
<th>Source Reduction</th>
<th>Organics</th>
<th>Operational Functions (use of CCC, HHW Events, etc.)</th>
</tr>
</thead>
</table>

**Program Target Audience:**
- Adult/General Public
- Business/Industry
- Government/Institutional
- Children/Educators
- Media
- Civic/Environment

### 5. Program

**Program Name:** CAC Americorps
**Program Sponsor:** City of Knoxville, Knox County, Non-profits, Utilities, Businesses
**Program Objective:** Persuade and Inform
**Number Served:** County-Wide

**Program Type:**
- Signage
- Mailings
- Special Events
- Other

**Focus Area:**
- Solid Waste
- Source Reduction
- Organics
- Operational Functions (use of CCC, HHW Events, etc.)

**Program Target Audience:**
- Adult/General Public
- Business/Industry
- Government/Institutional
- Children/Educators
- Media
- Civic/Environment

### 6. Program

**Program Name:** Regional Medication Collection Program
**Program Sponsor:** City of Knoxville, Knox County, Non-profits, Utilities, Businesses
**Program Objective:** Persuade and Inform
**Number Served:** County-Wide

**Program Type:**
- Signage
- Mailings
- Brochures
- Classroom
- Community Outreach
- Radio
- Newspaper
- Public Access TV
- Workshops
- Social Media
- Website
- Workshops

**Focus Area:**
- Solid Waste
- Source Reduction
- Organics
- Operational Functions (use of CCC, HHW Events, etc.)
7. Program

Program Name: * Recycling Education
Program Sponsor: * City of Knoxville
Program Objective: * Persuade and Inform
Number Served: * County-Wide
Program Type: *

- [✓] Signage
- [✓] Mailings
- [✓] Special Events
- [✓] Other

PLEASE SPECIFY:
City Recreation Centers

Focus Area: *

- [✓] Solid Waste
- [✓] Source Reduction

Program Target Audience: *

- [✓] Adult/General Public
- [✓] Children/Educators

Provide additional information, if necessary:
This was not County-wide; it was to 30,000 City of Knoxville residents.
municipalities use to fund their programs.

1. County/Municipality

County/Municipality: * Knox County

How is the program funded? (Check all that apply) *

☐ Tipping Fees (§68-211-835)  ☐ Surcharge (§68-211-835)  ☐ Disposal Fee (§68-211-835)  ☑ Property Taxes/General Fund

☐ Per Household Charges  ☐ Pay-As-You-Throw  ☑ Sale of Recyclables  ☑ Grants

☐ Other Taxes

Specify 3 Year Average Property Taxes/General Fund amount: * 3,700,000.00 $

Specify 3 Year Average amount of sale of recyclables: * 500,000.00 $

Specify 3 Year Average Grants amount: * 200,000.00 $

2. County/Municipality

County/Municipality: * City of Knoxville

How is the program funded? (Check all that apply) *

☐ Tipping Fees (§68-211-835)  ☐ Surcharge (§68-211-835)  ☐ Disposal Fee (§68-211-835)  ☑ Property Taxes/General Fund

☐ Per Household Charges  ☐ Pay-As-You-Throw  ☐ Sale of Recyclables  ☑ Grants

☑ Other Taxes

Specify 3 Year Average Grants amount: * 22,500.00 $

Specify 3 Year Average other taxes amount: * 22,500.00 $

Provide additional information, if necessary:

Grant mentioned is TDEC’s Education and Outreach grant.

17. Contracting Out of Services

Does the county or its municipalities contract out its services? *

☐ Yes  ☐ No

Please complete the following table for the county or each municipality:

<table>
<thead>
<tr>
<th>COUNTY/MUNICIPALITY</th>
<th>CONTRACTOR *</th>
<th>BUDGETED CONTRACT AMOUNT *</th>
<th>CONTRACT START (MM/YYYY)</th>
<th>CONTRACT END (MM/YYYY)</th>
<th>TYPE OF CONTRACT *</th>
<th>SERVICES PROVIDED *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knox County</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City of Knoxville</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#</td>
<td>County</td>
<td>Company Name</td>
<td>Amount</td>
<td>Start Year</td>
<td>End Year</td>
<td>Franchise Type</td>
</tr>
<tr>
<td>---</td>
<td>-----------------</td>
<td>-------------------------------------</td>
<td>--------</td>
<td>------------</td>
<td>----------</td>
<td>----------------</td>
</tr>
<tr>
<td>1</td>
<td>Knox County</td>
<td>TN Gas, LLC</td>
<td>0.00</td>
<td>04/2019</td>
<td>03/2020</td>
<td>Exclusive Franchise</td>
</tr>
<tr>
<td>2</td>
<td>Knox County</td>
<td>Poplar View Landfill, LLC</td>
<td>0.00</td>
<td>10/2010</td>
<td>09/2020</td>
<td>Nonexclusive</td>
</tr>
<tr>
<td>Knox County - MSW Disposal</td>
<td>Waste Connections of TN, Inc</td>
<td>0.00</td>
<td>10/2010</td>
<td>09/2020</td>
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<td>☐ Bulky Item Collection</td>
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<thead>
<tr>
<th>Knox County</th>
<th>Riverside Landfill, LLC</th>
<th>0.00</th>
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<th>09/2020</th>
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<td>Knox County - Facilities</td>
<td>Waste &amp; Recycling</td>
<td>0.00</td>
<td>05/2014</td>
<td>05/2019</td>
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<td>Waste Management</td>
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<table>
<thead>
<tr>
<th>Knox County - Roll-off Hauling Services</th>
<th>Waste Connections of TN, Inc</th>
<th>0.00</th>
<th>03/2010</th>
<th>09/2020</th>
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<tr>
<td>Waste Connections of TN, Inc</td>
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<td>Bulky Item Collection</td>
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</tr>
<tr>
<td>City of Knoxville</td>
<td>Waste Connection (curbside trash &amp; recycling hauling)</td>
<td>4,500,000.00</td>
<td>01/2017</td>
<td>12/2032</td>
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<tr>
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<td>Waste Management (class 1 landfill)</td>
<td>1,171,000.00</td>
<td>09/2010</td>
<td>09/2020</td>
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</tbody>
</table>
Are any of the above contracts considered an exclusive franchise? *

- Yes
- No

Provide additional information, if necessary:
- Hauling Disposal Oil Metal MRF Maintenance & Repair Greenwaste
- Facility waste/recycling Tire processing, Tire Hauling Cylinder Batteries
- Attended donation center Electronic waste (EDC)
- Cooking Oil - non contracted vendor
- Tubes/Bulbs - non contracted vendor
- Waste & Recycling Equipment City of Knoxville - HHW and Transfer Station Litter/Outreach Education - Adopt-A-Road

18. Complete the following section for the county and its municipalities that provide solid waste and/or recycling services.

1. County/Municipality

County/Municipality: * Knox County

Municipal Solid Waste Services:

<table>
<thead>
<tr>
<th>How many part-time? *</th>
<th>How many Full Time Equivalents (FTE)? *</th>
<th>Total Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>32</td>
<td>33</td>
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</table>

Recycling Services:

<table>
<thead>
<tr>
<th>How many part-time? *</th>
<th>How many Full Time Equivalents (FTE)? *</th>
<th>Total Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>34</td>
<td>35</td>
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</tbody>
</table>

2. County/Municipality

County/Municipality: * City of Knoxville

Municipal Solid Waste Services:
19. Budget and other optional uploads (Must save to see file attachments option)

Please upload a copy of last Fiscal Year’s Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities for the county below by clicking on "Upload File" under A. Solid Waste and Sanitation Fund. Please use options B-J to upload the Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities of the municipalities within the county. There are also upload options for any other additional reports, documents, and files deemed relevant to this Annual Progress Report.

Provide additional information, if necessary:

File Attachments

Click the 'Upload File' button to attach supporting documents as required.
* Maximum file size is 5 MB.

A. Solid Waste and Sanitation Fund for the county (Max file size = 5MB). *
2020-Knox-Adopted-Budget.pdf

B. Additional Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities (Max file size = 5MB).
City of Knoxville Budget 2019-20.pdf

C. Additional Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities (Max file size = 5MB).
2020-Knox-Adopted-Budget.pdf

D. Additional Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities (Max file size = 5MB).

E. Additional Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities (Max file size = 5MB).

F. Additional Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities (Max file size = 5MB).

G. Additional Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities (Max file size = 5MB).

H. Additional Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities (Max file size = 5MB).

I. Additional Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities (Max file size = 5MB).

J. Additional Solid Waste and Sanitation Fund expenses, revenues, assets and liabilities (Max file size = 5MB).

Optional upload for additional reports or documents (Max file size = 5MB):

Optional upload for additional reports or documents (Max file size = 5MB):

Optional upload for additional reports or documents (Max file size = 5MB):

Response created on: Feb 4, 2020 at 10:39 AM CST by Linnea.Boogades@knoxcounty.org
1. What grants would the county and municipalities like to see TDEC promote in the next two years?

County or Municipality Name: * City of Knoxville

Select grants: *

- Recycling Equipment
- Waste Reduction
- Organics Management/Composting
- Education and Outreach
- Hub and Spoke
- Technical Assistance
- Convenience Centers
- Access Improvements/Carts
- New Technologies
- Measurement
- Other

County or Municipality Name: * Knox County

Select grants: *

- Recycling Equipment
- Waste Reduction
- Organics Management/Composting
- Education and Outreach
- Hub and Spoke
- Technical Assistance
- Convenience Centers
- Access Improvements/Carts
- New Technologies
- Measurement
- Other

Please Specify: *

HHW program funding for City/County

2. What are the county and municipalities biggest needs for this next calendar year? Grant demonstration of need and priority will be determined through answering these questions.

County or Municipality Name: * City of Knoxville

Select biggest needs for next calendar year: *

- Equipment
- Facility Upgrades
- Education and Outreach
- Technical Assistance Providers
- Other

Explain Education and Outreach: *

Contamination continues to threaten recycling and that education takes maintenance, annual outreach.

Explain Other: *

Support for our Household Hazardous Waste facility and mobile truck. TDEC has supported these programs with grants since the start of the facility in 1997. We recently started a mobile program, hired new staff, and expanded our HHW with the expectation that we would still be supported by TDEC.

County or Municipality Name: * Knox County
Select biggest needs for next calendar year: *

- ✔ Equipment
- ✔ Facility Upgrades
- ✔ Education and Outreach
- ✔ Technical Assistance Providers
- ✔ Other

What type of equipment? *

- ✔ New
- ✔ Upgrade
- ✔ Expand

Explain Equipment: *
   Older equipment needs replacement.

Explain Facility Upgrades: *
   Knox County is prioritizing review and analysis of several Convenience Centers to determine needs for upgrades, possible relocation, and/or increased capacity.

Explain Education and Outreach: *
   Knox County will seek financial support for education and outreach efforts to better inform residents about the importance of the role waste reduction and recycling play in decreasing waste management costs and environmental impacts. Knox County plans to focus messaging on waste reduction, reuse, and litter behavior. Grant funds would be used to support market research, planning, implementation, and measurement of efforts.

Explain Technical Assistance Providers: *
   Knox County is prioritizing review and analysis of several older Convenience Centers to determine needs for upgrades, possible relocation, and/or increased capacity. Knox County will seek financial support to explore services and products to complete research, planning, and implementation of new or improved facilities.

Explain Other: *
   Knox County always expected the permanent HHW Facility to receive perpetual funding. Funding cuts from the State of Tennessee for this facility would be felt by residents because service will likely need to be interrupted. In light of the current local, regional and world-wide recycling and waste management challenges, Knox County would like to engage the State of Tennessee in serious discussions about local, regional, and national solutions.

3. Are there any policies, statutes, rules, protocols or ordinances that inhibit the county and municipalities from having effective programs? Reference specific statues, rules, policies or documents when answering the question.

County or Municipality Name: *  
Knox County

Describe inhibitors: *

   Jackson Law/Permitting The Role of the Regional Solid Waste Board in Tennessee Handbook has not been revised or updated since November of 2011. Knox County proposes a publication similar to the Waste and Scrap Tire Management Kit published in 2018 to help regulatory bodies better understand their roles and responsibilities. An ideal document would clearly update and define the role of the Regional Solid Waste Boards. This regulatory guidance should address roles, responsibilities, and legal review regarding local approval of permits, specifically, in situations where Jackson Law might apply. It would also clarify and provide numerous examples of when they would be asked to approve permit applications. There should be a clear chart or reference that would be easy to interpret regarding what type of approval (board/legislative) is and is not required for what types of permits and when. It would also be good to suggest a possible(thought not mandatory) set of procedures that would be followed in order for applicants to obtain approvals. Expectations about when TDEC will refer applicant and in what way they will refer applicants should also be outlined. Guidance for referrals from local governments would also help.
4. Are there any parts or utility of the 10 Year Solid Waste and Materials Management Statewide Plan, Plan Update or Annual Progress Report the county and municipalities do not understand?

County or Municipality Name: * City of Knoxville

Please describe: *

No.

5. What role can Materials Management play to be the biggest resource to the county and its municipalities?

County or Municipality Name: * City of Knoxville

Please explain: *

Participation in the Top Five meetings was very beneficial and we hope more of those meetings will be held. We made contacts, built support, and exchanged valuable ideas.

County or Municipality Name: * Knox County

Please explain: *

It would be helpful for TDEC to advocate for reporting to come directly from haulers and processors to get a more accurate recycling and diversion rate, determine trends, and find deficiencies in available services and markets. As the reporting process stands now it would be accurate to say there is not a complete picture of what's happening in the industry. It's problematic for counties and municipalities to spend time and resources tracking down businesses willing to report and education those businesses on how to properly report. In many cases, the person in reporting businesses charged with compiling a report will not be in the same position or with the company year after year, creating inconsistencies in reporting. In order to promote more cohesive waste management solutions, a more accurate picture of what's happening in the state is a must. This will never happen with the current reporting system. It would not be an extreme burden for haulers and processors to report because they already have systems in place to more accurately track recycling, diversion, and trash numbers than the businesses that utilize their services. Since these business are likely already reporting this numbers in a different system (i.e., tax reporting or billing) it would not put an undue burden on them to pull those numbers from systems that already exist.

6. What is needed in the county and municipalities to further waste reduction, recycling, diversion or end markets in Tennessee?

County or Municipality Name: * City of Knoxville

Describe needs: *

Organics processors. Markets and/or processors for our glass. Support for C&D recycling.

County or Municipality Name: * Knox County

Describe needs: *

The biggest need in Knox County is a vibrant end market for recyclables or otherwise reusable materials. The capacity for processing and demand for materials has decreased to critical levels throughout the Country, affecting local markets. A fundamental shift in waste management approaches needs to focus on creating competitive, robust recycling and reuse markets that are sustainable within Tennessee and beyond. The State's current approach to mandate recycling and diversion puts the burden on municipalities to find solutions in a decreasing marketplace.

7. What do the county and municipalities plan to apply for next 18 month grant cycle?

<table>
<thead>
<tr>
<th>COUNTY OR MUNICIPALITY NAME: *</th>
<th>GRANT TYPE *</th>
<th>NEED *</th>
<th>BRIEFLY DESCRIBE NEED *</th>
<th>REPLACEMENT *</th>
<th>REIMBURSEMENT AND MATCHING FUNDS BUDGETED? *</th>
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<tbody>
<tr>
<td>City of Knoxville</td>
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<td>Knox County</td>
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<tr>
<td>City of Knoxville</td>
<td>HHW Operation and Maintenance</td>
<td>Facilities</td>
<td>We have received grant funding since 1997 and expanded the facility, hired a new tech, and bought a new HHW box truck with TDEC support. We hope to continue to receive support so we can run these programs at current levels.</td>
<td>No</td>
<td>Yes</td>
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</tr>
<tr>
<td>City of Knoxville</td>
<td>Access Improvement/Cart</td>
<td>Equipment</td>
<td>1,700 residents sign up for curbside recycling every year. Funding from TDEC helps us provide that service without wait times dependent on funding.</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>City of Knoxville</td>
<td>Education and Outreach</td>
<td>Education</td>
<td>Education and outreach to minimize recycling contamination.</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Knox County</td>
<td>Convenience Center</td>
<td>Equipment</td>
<td>Knox County is prioritizing analysis of several Centers to determine upgrade or possible relocation needs.</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Knox County</td>
<td>Convenience Center</td>
<td>Facilities</td>
<td>Knox County is prioritizing analysis of several Centers to determine upgrade or possible relocation needs.</td>
<td>No</td>
<td>Yes</td>
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</table>
8. §68-211-871(b) requires an annual progress report on the implementation of the regional comprehensive integrated municipal solid waste management plan. What steps are the county and municipalities taking locally to contribute to regional plan implementation?

<table>
<thead>
<tr>
<th>County or Municipality Name</th>
<th>Convenience Center</th>
<th>Education</th>
<th>Knox County is prioritizing analysis of several Centers to determine upgrade or possible relocation needs.</th>
<th>No</th>
<th>Yes</th>
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</thead>
<tbody>
<tr>
<td>Knox County</td>
<td></td>
<td>Education</td>
<td>Knox County is prioritizing education &amp; outreach to increase awareness of source reduction, recycling right, and proper disposal options.</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Knox County</td>
<td>Education and Outreach</td>
<td>Facilities</td>
<td>Knox County is prioritizing education &amp; outreach to increase awareness of source reduction, recycling right, and proper disposal options.</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Knox County</td>
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<td>Facilities</td>
<td>Knox County is prioritizing analysis of several Centers to determine upgrade or possible relocation needs.</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Knox County</td>
<td>Measurement</td>
<td>Education</td>
<td>Knox County is prioritizing analysis of several Centers to determine upgrade or possible relocation needs.</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

County or Municipality Name: * Knox County
Describe steps the county and municipalities are taking: *

The County will continue to provide access to waste disposal and recycling drop off facilities (Convenience Centers), recycling materials when financially feasible and markets accessible, providing a robust roadside litter pick up program, managing a county-wide waste tire disposal program, and performing education supporting waste reduction, recycling, litter reduction, and proper disposal options.

9. What areas would you like to see the Division of Solid Waste Management focus on in coming years to help the county and municipalities be successful implementing the Region’s plan and programs?

County or Municipality Name: * Knox County

Describe areas: *

Increased cooperation with the Counties and Cities on statewide policy development and funding priorities as was previously started with Top5 initiative and the Objective 1/8 working groups. State level end market development is needed. Develop or increase relationships with State agencies focused on economic development along with state and local Chambers of Commerce to offer incentives attracting industry/manufacturers willing to research, develop, fund, and/or utilize post-production and post-consumer materials for recycling and reuse within TN to influence opportunities and competitiveness.
### 2019 Calendar Year Landfill Disposal Summary

<table>
<thead>
<tr>
<th>Type</th>
<th>Landfill</th>
<th>Tons</th>
</tr>
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<tbody>
<tr>
<td>Class I</td>
<td>Chestnut Ridge Landfill And Recycling Center - SNL010000160</td>
<td>297,186</td>
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<tr>
<td></td>
<td>Meadow Branch Landfill Inc - SNL540000174</td>
<td>134,709</td>
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<td></td>
<td>Volunteer Regional Landfill - SNL760000271</td>
<td>71,129</td>
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<td>Loudon County Landfill - SNL530000203</td>
<td>2,254</td>
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<tr>
<td></td>
<td>Lakeway Sanitation And Recycling, Inc. Landfill - SNL320000280</td>
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<td><strong>Total</strong></td>
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<tr>
<td><strong>Government Controlled</strong></td>
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<tr>
<td></td>
<td>County sent to Meadow Branch</td>
<td>33,984</td>
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<tr>
<td></td>
<td>City sent to Chestnut Ridge</td>
<td>57,724</td>
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<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Type</th>
<th>Landfill</th>
<th>Tons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class III/IV</td>
<td>Poplar View Class Iii Landfill - DML470000057</td>
<td>107,266</td>
</tr>
<tr>
<td></td>
<td>Riverside C&amp;D Landfill, Llc - DML470000011</td>
<td>97,491</td>
</tr>
<tr>
<td></td>
<td>Yarnell Demolition Landfill - DML470000069</td>
<td>69,016</td>
</tr>
<tr>
<td></td>
<td>Jefferson County Demolition Landfill - DML450000046</td>
<td>89</td>
</tr>
<tr>
<td></td>
<td>Rutherford County Demolition Landfill - DML750000047</td>
<td>7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>273,869</td>
</tr>
<tr>
<td><strong>Government Controlled</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>County sent to Poplar View</td>
<td>14,098</td>
</tr>
<tr>
<td></td>
<td>City sent to Poplar View</td>
<td>37,688</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>51,786</td>
</tr>
<tr>
<td></td>
<td>Government Controlled</td>
<td>19%</td>
</tr>
</tbody>
</table>

### Government Paid vs Total Waste

- **Total Landfilled**: 779,274
- **Government Collection**: 143,494
- **Government Controlled**: 18%
## 2019 Calendar Year Recycling & Diversion Summary

### Industrial, Commercial, Institutional

<table>
<thead>
<tr>
<th>ID</th>
<th>Sector</th>
<th>Reporter</th>
<th>Total Tons</th>
</tr>
</thead>
<tbody>
<tr>
<td>1017897</td>
<td>Industrial</td>
<td>PSC Metals</td>
<td>84,506</td>
</tr>
<tr>
<td>1017935</td>
<td>All sectors</td>
<td>WestRock</td>
<td>41,632</td>
</tr>
<tr>
<td>1017887</td>
<td>Industrial</td>
<td>The Letco Group (Living Earth)</td>
<td>29,406</td>
</tr>
<tr>
<td>1049768</td>
<td>Institutional</td>
<td>University of Tennessee Recycling Center</td>
<td>4,132</td>
</tr>
<tr>
<td>1028267</td>
<td>Commercial</td>
<td>Kroger</td>
<td>3,301</td>
</tr>
<tr>
<td>1017948</td>
<td>Commercial</td>
<td>KARM Thrift Stores LLC/Wholesale Dept.</td>
<td>2,063</td>
</tr>
<tr>
<td>1017954</td>
<td>Commercial</td>
<td>Southeastern Recycling LLC</td>
<td>1,241</td>
</tr>
<tr>
<td>1022725</td>
<td>Commercial</td>
<td>Sam's Club Facility 08256 Knoxville</td>
<td>1,098</td>
</tr>
<tr>
<td>1022686</td>
<td>Commercial</td>
<td>Walmart Facility 02065 Knoxville</td>
<td>1,028</td>
</tr>
<tr>
<td>1022719</td>
<td>Commercial</td>
<td>Sam's Club Facility 06572 Knoxville</td>
<td>1,020</td>
</tr>
<tr>
<td>1017959</td>
<td>Other</td>
<td>Safety-Kleen Systems</td>
<td>1,007</td>
</tr>
<tr>
<td>1017918</td>
<td>Commercial</td>
<td>Goodwill Industries - Knoxville</td>
<td>981</td>
</tr>
<tr>
<td>1020657</td>
<td>Commercial</td>
<td>Walmart Facility 01318 Knoxville</td>
<td>969</td>
</tr>
<tr>
<td>1017910</td>
<td>Commercial</td>
<td>Darling Ingredients Inc., DBA DarPro Solutions</td>
<td>913</td>
</tr>
<tr>
<td>1022684</td>
<td>Commercial</td>
<td>Walmart Facility 01320 Knoxville</td>
<td>886</td>
</tr>
<tr>
<td>1017869</td>
<td>Commercial</td>
<td>The Home Depot</td>
<td>881</td>
</tr>
<tr>
<td>1022661</td>
<td>Commercial</td>
<td>Walmart Facility 01319 Knoxville</td>
<td>818</td>
</tr>
<tr>
<td>1022694</td>
<td>Commercial</td>
<td>Walmart Facility 02310 Knoxville</td>
<td>803</td>
</tr>
<tr>
<td>1022701</td>
<td>Commercial</td>
<td>Walmart Facility 02932 Knoxville</td>
<td>795</td>
</tr>
<tr>
<td>1020667</td>
<td>Commercial</td>
<td>Publix Super Markets, Inc.</td>
<td>584</td>
</tr>
<tr>
<td>1017858</td>
<td>Commercial</td>
<td>Dollar Tree</td>
<td>562</td>
</tr>
<tr>
<td>1050748</td>
<td>All sectors</td>
<td>Liberty Tire Recycling, LLC</td>
<td>464</td>
</tr>
<tr>
<td>1017841</td>
<td>Industrial</td>
<td>Swift Industrial Power Inc.</td>
<td>280</td>
</tr>
<tr>
<td>1022706</td>
<td>Commercial</td>
<td>Walmart Facility 03959</td>
<td>245</td>
</tr>
<tr>
<td>1017866</td>
<td>Commercial</td>
<td>Family Dollar</td>
<td>125</td>
</tr>
<tr>
<td>1015741</td>
<td>Commercial</td>
<td>Centriworks/Thermocopy</td>
<td>61</td>
</tr>
<tr>
<td>1020377</td>
<td>Industrial</td>
<td>Harrison Construction Company, APAC-Atlantic, Inc.</td>
<td>57</td>
</tr>
<tr>
<td>1022711</td>
<td>Commercial</td>
<td>Walmart Facility 04167 Dark (2019) Knoxville</td>
<td>50</td>
</tr>
<tr>
<td>1020359</td>
<td>Commercial</td>
<td>Master Battery</td>
<td>30</td>
</tr>
<tr>
<td>1020354</td>
<td>Commercial</td>
<td>Terracycle Regulated Waste LLC</td>
<td>12</td>
</tr>
<tr>
<td>1017940</td>
<td>Industrial</td>
<td>TN Gas, LLC</td>
<td>2</td>
</tr>
</tbody>
</table>

**Industrial, Commercial, Institutional Industry Total**: 179,954%

### Government (Residential Collection)

<table>
<thead>
<tr>
<th>ID</th>
<th>Sector</th>
<th>Reporter</th>
<th>Total Tons</th>
</tr>
</thead>
<tbody>
<tr>
<td>1048995</td>
<td>Government</td>
<td>City of Knoxville</td>
<td>132,437</td>
</tr>
<tr>
<td>1021428</td>
<td>Government</td>
<td>Knox County</td>
<td>8,012</td>
</tr>
<tr>
<td>1049102</td>
<td>Government</td>
<td>City of Knoxville and Knox County HHW</td>
<td>67</td>
</tr>
</tbody>
</table>

**Government & Residential Collection Total**: 140,516%

### Industrial, Commercial, Institutional Industry Total**: 179,954%

**Government & Residential Collection Total**: 140,516%

**Total Recycling**: 320,470
2019 Calendar Year Adjustments to Reported Amounts for Quality Control

Adjustment resulting in negatives reported as zero

<table>
<thead>
<tr>
<th>After Adjustment</th>
<th>Initially Reported</th>
<th>Reporter and Report ID</th>
<th>Knox</th>
<th>City</th>
<th>UTK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,108</td>
<td>4,590</td>
<td>PSC Mixed metal 1017897</td>
<td>2,895</td>
<td>434</td>
<td>153</td>
</tr>
<tr>
<td>2</td>
<td>109</td>
<td>Westrock Steel Cans 1017935</td>
<td>74</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>79</td>
<td>198</td>
<td>Westrock Aluminum 1017935</td>
<td>85</td>
<td>34</td>
<td>1</td>
</tr>
<tr>
<td>26,591</td>
<td>29,317</td>
<td>Westrock OCC 1017935</td>
<td>1,754</td>
<td>521</td>
<td>451</td>
</tr>
<tr>
<td>1,632</td>
<td>1,818</td>
<td>Westrock ONP 1017935</td>
<td>-</td>
<td>186</td>
<td>-</td>
</tr>
<tr>
<td>744</td>
<td>3,084</td>
<td>Westrock Mixed Pap 1017935</td>
<td>1,237</td>
<td>762</td>
<td>341</td>
</tr>
<tr>
<td>12</td>
<td>1,114</td>
<td>Westrock Glass 1017935</td>
<td>411</td>
<td>617</td>
<td>74</td>
</tr>
<tr>
<td>(30)</td>
<td>975</td>
<td>Westrock Plastic 1017935</td>
<td>676</td>
<td>327</td>
<td>3</td>
</tr>
<tr>
<td>7,132</td>
<td>11,893</td>
<td>Westrock Single Stream 1017935</td>
<td>-</td>
<td>4,566</td>
<td>195</td>
</tr>
<tr>
<td>29,406</td>
<td>58,972</td>
<td>Letco Group Living Earth 1017887</td>
<td>19</td>
<td>29,547</td>
<td>-</td>
</tr>
</tbody>
</table>
## 2019 Calendar Year Tire Summary

### 2019 Reported by Liberty

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knox</td>
<td>3,212</td>
<td>paid for by Knox County</td>
</tr>
<tr>
<td>Gate</td>
<td>464</td>
<td>customers paid directly</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>3,677</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 2018 Reported by Liberty

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knox</td>
<td>3,390</td>
<td>paid for by Knox County</td>
</tr>
<tr>
<td>Gate</td>
<td>699</td>
<td>customers paid directly</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4,089</strong></td>
<td></td>
</tr>
</tbody>
</table>
2019 Calendar Year Total Waste Summary

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Class 1</td>
<td>505,405</td>
<td></td>
</tr>
<tr>
<td>All Class III/IV</td>
<td>273,869</td>
<td></td>
</tr>
<tr>
<td>All Recycling</td>
<td>320,470</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,099,744</strong></td>
<td></td>
</tr>
</tbody>
</table>

Diversion from Class I

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diversion from Class I</td>
<td>594,339</td>
<td>54%</td>
</tr>
<tr>
<td>True Recycling</td>
<td>320,470</td>
<td>29%</td>
</tr>
</tbody>
</table>
KNOXVILLE AREA
Facts & Figures
2019

LOCATION AND CLIMATE
Founded in 1791 where the French Broad and Holston Rivers meet to form the Tennessee River, Knoxville is the largest city in East Tennessee. Its corporate limits comprise 104 of the 526-square mile total for Knox County. Knoxville is the urban heart of the metropolitan area, which consists of nine counties—Anderson, Blount, Campbell, Grainger, Knox, Loudon, Morgan, Roane, and Union. Knoxville is located in a valley between the Cumberland and Great Smoky Mountains. This location offers a moderate, four-season climate, with normal daytime temperatures of 88 degrees in July and 48 degrees in January. Downtown Knoxville is 936 feet above sea level.

LIVABILITY
Knoxville ranks among the nation’s best places to live, raise a family, and own a business. In 2019, it was ranked 14th “Least Expensive City” by Yahoo Finance and, in 2018, 49th “Best Bike Cities in America” by Bicycling magazine.

COST OF LIVING (2019)

<table>
<thead>
<tr>
<th>Metropolitan Area</th>
<th>83.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Average</td>
<td>100</td>
</tr>
</tbody>
</table>
ARTS AND CULTURE

ORGANIZATIONS: Knoxville Symphony, Knoxville Opera Company, Dogwood Arts, the Arts & Culture Alliance, and the Joy of Music School, are a few of many in the area.

VENUES: Tennessee and Bijou Theaters, Clayton Center for the Arts, Clarence Brown Theatre, the Mill & Mine, and WDVX radio station are among the most visited entertainment venues in the City.

MUSEUMS AND CENTERS: Knoxville Museum of Art, Emporium Center for Arts and Culture, East Tennessee History Center, McClung Museum of Natural History and Culture, Museum of Appalachia, and Beck Cultural Exchange Center showcase art and regional heritage. Muse Knoxville is an experiential children’s science museum. Neighboring Gatlinburg is home to the renowned Arrowmont School of Arts and Crafts.

POPULATION AND HOUSING

POPULATION (2018)

<table>
<thead>
<tr>
<th>Population</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>187,500</td>
<td>City of Knoxville</td>
</tr>
<tr>
<td>465,289</td>
<td>Knox County (includes city)</td>
</tr>
<tr>
<td>883,309</td>
<td>Metro Area</td>
</tr>
</tbody>
</table>

MEDIAN SINGLE-FAMILY HOME SALES PRICE (2019)

<table>
<thead>
<tr>
<th>Price</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>$207,000</td>
<td>Knox County</td>
</tr>
<tr>
<td>$206,700</td>
<td>Metro Area</td>
</tr>
<tr>
<td>$279,600</td>
<td>U.S.</td>
</tr>
</tbody>
</table>

MEDIAN MONTHLY RENT (2017)

<table>
<thead>
<tr>
<th>Rent</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>$880</td>
<td>Knox County</td>
</tr>
<tr>
<td>$803</td>
<td>Metro Area</td>
</tr>
<tr>
<td>$1,012</td>
<td>U.S.</td>
</tr>
</tbody>
</table>

RESIDENTIAL UNITS (2018)

Knox County: 206,043 units
New units added: 2,688 units
Value of new construction ($ million): $491.1

MEDIAN SINGLE-FAMILY HOME SALES PRICE (2019)

Knox County: $207,000
Metro Area: $206,700
U.S.: $279,600

MEDIAN MONTHLY RENT (2017)

Knox County: $880
Metro Area: $803
U.S.: $1,012
EVENTS: Hundreds of special events take place each year. Some of the most well-known and well-attended include Big Ears Music Festival, Mardi Growl, Dogwood Arts, Children’s Festival of Reading, Covenant Health Marathon, Kuumba Festival, Concerts on the Square, Rossini Festival, Hola Festival, Brewers Jam, Tour de Lights, and Christmas in the City.

RADIO AND TELEVISION
Radio Stations.....................................51
Television stations..................................18

THEATERS
Knox County
Movie theaters/screens..............11/102
Live performance theaters.............13

NEWSPAPERS
Knox County:
Knoxville News Sentinel, Farragut Press, Knoxville Focus, Shopper News, Compass (online only)

Region:
Oak Ridger (Anderson County), Daily Times (Blount County), News-Herald (Loudon County), Mountain Press (Sevier County), Union News Leader (Union County)
RECREATION AND TOURISM

Knoxville has an international reputation as an outdoor adventure destination. Just three miles from downtown is Knoxville’s Urban Wilderness with 50 miles of multi-use trails. Concord, I.C. King, and Sharp’s Ridge Veterans Memorial parks provide 24 more miles of trails, and Loyston Point in neighboring Anderson County adds another 12.

Other adventures can be found at Ijams Nature Center and Navitat Treetop Adventure Park, Outdoor Knoxville, Seven Islands State Birding Park, and House Mountain State Natural Area. Zoo Knoxville, a family favorite, celebrated record-breaking attendance in 2018 with more than 500,000 visitors. The region is also home to the country’s most visited national park, the Great Smoky Mountains, which had a record year in 2018 with more than 11.4 million guests.

<table>
<thead>
<tr>
<th>PARKS AND RECREATION (2019)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Parks (acres)</td>
<td>6,317</td>
</tr>
<tr>
<td>Greenways/hiking/biking trails (miles)</td>
<td>184</td>
</tr>
<tr>
<td>Recreation/community centers</td>
<td>20</td>
</tr>
<tr>
<td>Senior centers</td>
<td>4</td>
</tr>
<tr>
<td>Skate parks</td>
<td>4</td>
</tr>
<tr>
<td>Dog parks</td>
<td>8</td>
</tr>
<tr>
<td>Public golf courses</td>
<td>10</td>
</tr>
</tbody>
</table>

SPORTS: Residents are proud of The University of Tennessee’s NCAA Division 1 football, basketball, and other teams. Tennessee Smokies, the AA affiliate of the Chicago Cubs in neighboring Sevier County, Knoxville Ice Bears minor league hockey, and the Women’s Basketball Hall of Fame all have devoted fans.

TOURISM: A 500,000-square foot convention center, large civic coliseum and auditorium, and UT’s 22,000-seat Thompson Boling Arena draw visitors to the area.
KNOX COUNTY ELEMENTARY/HIGH SCHOOLS

Demographics (2018-19)
Public schools...................................88
Enrollment.....................................60,752
Teachers.........................................3,927

Metrics (2017-18)
Per pupil expenditures.......................$9,555
Graduation rate.................................89.6%
Average ACT (composite).....................21.1
Private schools..................................33

EDUCATION
Included in Knox County’s public schools are several magnet, STEM, and International Baccalaureate programs.

POST-SECONDARY EDUCATION:
Four two-year colleges and 10 four-year universities are located in Knox County and surrounding area. The University of Tennessee was ranked 52nd among the nation’s top public schools in 2019 by U.S. News and World Report.

CIVIC ORGANIZATIONS
The Knoxville Chamber has more than 2,200 members. United Way, Community Shares, and Community Action Committee support many youth, family, and social service programs. More than 250 neighborhood associations and many civic groups are active throughout the city and county.

KNOX COUNTY population with bachelor’s degree or higher

28,934
College Enrollment (2018-19)

11,073

The University of Tennessee
Pelissippi State Community College

37.3%
Knox County population with bachelor’s degree or higher
COMMERCE AND INDUSTRY

Denso Manufacturing, Discovery Communications, Jewelry Television, Regal Entertainment Group, The Dollywood Company, Pilot Flying J, Clayton Homes, and Bush Brothers all call the Knoxville area home. The area also hosts Oak Ridge National Laboratory, the largest U.S. Department of Energy research facility and site of the world’s fastest supercomputer, employing 4,750 with an annual operating budget of $1.4 billion.

Knox County has eight business parks and a Technology Corridor, and the area is marketed by the Development Corporation of Knox County and Knoxville-Oak Ridge Innovation Valley Inc., a regional economic development partnership.

LIBRARIES (2019)

Knox County Public Library System
Main library and branches.........................18
Special Collections: Knox County Archives & Calvin M. McClung Historical Collection

HOSPITALS (2019)

Knox County
General..................................................8
Children’s...............................................1

EARNINGS (2018)

Knox County
Weekly (all industries average)..$955

MEDIAN HOUSEHOLD INCOME (2017)

Knox County 55,266
Metro Area 51,848
U.S. 60,336

EMPLOYMENT (2019)

Knox County 251,703
Metro Area 442,384

UNEMPLOYMENT RATE (2019)

Knox County 3.6%
Metro Area 3.9%
Tennessee 4.0%
U.S. 3.8%
KNOX COUNTY EMPLOYMENT (2018)

INDUSTRIES
- Education and Health Services
- Professional and Business Services
- Retail Trade
- Leisure and Hospitality
- Financial Activities
- Manufacturing
- Construction
- Wholesale Trade
- Public Administration
- Other Services
- Information
- Transportation and Utilities
- Natural Resources and Mining
- Unclassified Establishments

Note: Due to disclosure requirements, the sum of the individual category counts will not match the All Industries total.
ESTABLISHMENTS (2018)

- **Knox County**
- **Metro Area**

### All Industries
- 21,443
- 13,579

### Wholesale
- 1,562
- 1,127

### Retail
- 3,031
- 1,801

### Manufacturing
- 916
- 496

### Service
- 12,959
- 8,673

---

**RETAIL SALES (2018)**

- **Knox County**
  - **Total Sales**: $10,181,607,924
  - **Sales Per Capita**: $21,882

---

**TAXES**

- **Residential Property**
  - 25% of appraised value
  - Taxes are levied on each $100 of assessed value

- **Commercial/Industrial Property**
  - 40% of appraised value

- **Knox County Tax Rate**
  - $2.12 per $100 assessment

- **Knoxville Tax Rate**
  - $2.4638 per $100 assessment

- **State Sales Tax Rate**
  - 4% on food
  - 7% on all other tangible personal property

- **Local Sales Tax Rate**
  - (applicable countywide)
    - 2.25%

- **Total Sales Tax Rate in Knox County**
  - 9.25%
TRANSPORTATION
Nearly half of the nation’s population is within a day’s drive of Knoxville via six Interstate Highways which transect the area.

HIGHWAY (2018)
Interstates
40, 75, 81, 140, 275, and 640

Average Daily Trips
(I-40/75 in Knox County)
212,690

Trucking Companies
250
Five airlines fly to 21 non-stop destinations out of Knoxville’s McGhee Tyson Airport (TYS), located 12 miles from downtown.

Also serving the area are three rail systems and a barge shipping network, the latter directly linked to the Great Lakes and Gulf of Mexico.

### AIR (2018-19)

- **Airlines**: Allegiant, American, Delta, Frontier, United
- **Daily Flights and Non-stop Destinations**: 99 flights/21 destinations
- **Passengers (annual)**: 2,221,137
- **Cargo Services and Freight**: 2 services/81,363,507 tons

### RAIL (2019)

- **Systems (Knox County)**: CSX, Norfolk Southern, KXHR-Gulf & Ohio
- **Miles of Lines (Knox County)**: 270

### WATER (2018)

- **Cargo through Fort Loudon Lock**: 582,440 tons
Knoxville Area Transit (KAT) operates the city’s public transit system with a fleet of full-sized buses, neighborhood service buses, and paratransit vans.

**BUS (2019)**

Knoxville Area Transit (KAT) Routes and Stops
23 routes/1,160 stops

**KAT Passengers and Vehicles**
2.8 million passengers/94 vehicles

**Long-distance**
Greyhound, Trailways
COMMUNICATIONS
AT&T, Charter/Spectrum, Comcast/Xfinity, Mediacom, TDS, and WOW offer cable, high-speed Internet, and telephone service.

UTILITIES
Knoxville Utilities Board (KUB) provides natural gas, water, and wastewater services and distributes electric power generated by the Tennessee Valley Authority throughout much of Knox County. Beyond KUB’s service area, residents receive electricity from two local power companies, and water is supplied by seven utility districts.