Road to Zero Waste Goals
- 75% diversion by 2020
- 90% diversion by 2025
- Zero waste by 2030

Road to 2020 Goals
- 20% reduction by 2020
- 80% reduction by 2030
- Carbon neutral by 2050

Timeline of recycling policy in Fort Collins
- Pay-As-You Throw (PAYT) starts 1995
- Electronics landfill ban 2009
- Cardboard landfill ban 1999
- Community Recycling Ordinance 2015
- Goal: 50% diversion by 2010
- 75% diversion by 2020
- Road to Zero Waste plan

Public Outreach & Input Received
- 5 public meetings
- Presentations to 5 City Boards & Commissions
- Regular meetings with trash haulers
- Presentations to 14 Stakeholder & Community Groups
- Advisory board with 20 diverse members
- 250+ responses to online questionnaire
- 600+ subscriptions to email updates
Changes to Code

1) Allow haulers option of service surcharge to single-family customers
   • Immediately
2) Optional seasonal yard trimmings collection offered to single-family customers
   • April 2017
3) Recycling service to multi-family and commercial
   • By 2020
4) Grocers subscribe to food scraps collection
   • By end of 2017

Change #1: New Service Surcharge

• Reinstates fee allowed prior to 2009
• Haulers can charge up to 25% of cost of smallest trash cart
• Generalized service surcharge can be used for
  • Cost to deliver recyclables
  • Fuel charges
  • Other variable costs that may arise in future
• Same cost for all trash customers, regardless of trash cart size subscription

Optional seasonal yard trimmings for single-family homes

Requires haulers to provide yard trimming collection to single family customers
• Seasonal (April through November)
• Extra fee can be charged
• Service is optional for single family customers

Require food scraps subscription from grocers

Requires grocers to subscribe to compost collection service by end of 2017
• Exemption if volume of organics disposed of is less than 96 gallons/week
• Grocers have not expressed reservations about starting composting

*Rates are for example. Actual rates set by haulers.
Recycling Programs in Fort Collins, prior to Community Recycling Ordinance

<table>
<thead>
<tr>
<th>Category</th>
<th>Education</th>
<th>Enforcement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Family Residential</td>
<td>General recycling education</td>
<td>Pay-As-You-Throw ordinance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Landfill ban on cardboard and electronics</td>
</tr>
<tr>
<td>Businesses</td>
<td>General recycling education</td>
<td>Rebate for starting recycling (up to $500)</td>
</tr>
<tr>
<td></td>
<td>Free waste audit, educational items for staff</td>
<td>Landfill ban on cardboard and electronics</td>
</tr>
<tr>
<td></td>
<td>In-person outreach campaign</td>
<td></td>
</tr>
<tr>
<td>Apartments and Condos</td>
<td>General recycling education</td>
<td>Rebate for starting recycling (up to $500)</td>
</tr>
<tr>
<td></td>
<td>Free waste audit, educational items for residents</td>
<td>Landfill ban on cardboard and electronics</td>
</tr>
</tbody>
</table>

Recycling Participation

- **Single Family Homes**: 95%
- **Multi-Family Complexes**: 65%
- **Commercial**: 50%

Recycling Required to be Part of Service by 2020

- Recycling is separate fee, NOT bundled
- Minimum of one third of overall service provided as recycling
- Haulers to have 40% of the current non-recycling customers signed up by end of 2018
- All new customers signed up with recycling

Variances

- A Multi-Family or Commercial Property could apply for a 5 year variance from the recycling requirement for:
  - Lack of space
  - Self-hauls recyclables to drop-off center
  - Doesn’t generate recyclables
  - Can’t be safely serviced
  - Contracts with separate company for recyclables
Estimated Annual Tons Diverted by CRO Elements

<table>
<thead>
<tr>
<th>Tons</th>
<th>Service Surcharges</th>
<th>Optional Single-Family Yard Trimmings</th>
<th>Grocer Composting</th>
<th>Multi-Family &amp; Commercial Recycling</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0% of goal</td>
<td>1% of goal</td>
<td>1% of goal</td>
<td>25% of goal</td>
</tr>
<tr>
<td>5,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10,000</td>
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</tr>
<tr>
<td>15,000</td>
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<tr>
<td>20,000</td>
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<tr>
<td>25,000</td>
<td></td>
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</tr>
</tbody>
</table>

* Restaurant composting and bundled single-family organics in future will increase diversion significantly (80% of goal)

Annual Tons of Recycling / Composting Needed to Reach 2020 Road to Zero Waste Goal Compared with CRO Elements

- Estimated Annual Tons Diverted: 60,000 tons (75% diversion, 10% goal)
- Yearly Organic Composting of Single-Family Yard Trimings & Food Scraps: 19,000 (95% of goal)
- Restaurant Composting: 15,000 (41% of goal)
- Grocer Composting: 650 (1% of goal)
- Multi-Family & Commercial Recycle: 400 (12% of goal)

Total additional diversion needed to reach 2020 goal: 60,000 tons
Diverions anticipated from CRO elements: 25,000 tons

Right-Sizing Trash and Recycling Bins

- 6 cy trash
- 2 cy recycle

Questions?

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Jnagel@fcgov.com
**Community Recycling Ordinance Elements**

<table>
<thead>
<tr>
<th>Service change to single-family customers</th>
<th>Increased Recycling or Composting (tons)</th>
<th>Annual Greenhouse Gas Impact (MTCO2e)</th>
<th>Estimated Monthly Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediately</td>
<td>None</td>
<td>None</td>
<td>$3-4 / customer</td>
</tr>
<tr>
<td>Optional seasonal yard trimmings collection to single-family homes By April 2017</td>
<td>413</td>
<td>0.1% diversion rate increase</td>
<td>$13-15 / subscriber (optional)</td>
</tr>
<tr>
<td>Require recycling service to multi-family and commercial locations By 2020</td>
<td>15,000 tons</td>
<td>4.2 percentage point diversion rate increase</td>
<td>-10,080</td>
</tr>
<tr>
<td>Require food scraps subscription from grocers By end of 2017</td>
<td>650 tons</td>
<td>0.6 percentage point diversion rate increase</td>
<td>- 667</td>
</tr>
</tbody>
</table>

**Implementation Details for Multi-Family**

- Applies to all locations with a shared trash dumpster / carts
  - 42% of Fort Collins housing is multi-family
- Recycling to be at least 33% of overall service provided
- All locations will have recycling by the end of 2020
  - City staff will support haulers in roll-out, have not worked out details of timing etc.
- Haulers will provide signs on recycle dumpsters
- City will continue to provide educational materials for move-in and signs for enclosures
1) Recycling service included with trash service; cost embedded

2) Trash pricing based on volume of trash can subscription
   • 100% price difference

*Rates are for example. Actual rates set by haulers.

Projects to Achieve Road to Zero Waste Goals

Policy
- Regional Wasteshed Planning
- Community Recycling Ordinance
- Long-term plan

Education
- Ongoing education to residents, businesses
- Potential residential and commercial organics policy

Infrastructure
- Timberline Recycling Center
- Potential volunteer program for enhanced outreach capability
- Compost facility / transfer station?

Tons Landfilled in 2015

- Impacted by CRO 60%
- NOT Impacted by CRO 40%
- Residential 32%
- Industrial 40%
- Commercial 28%