

# SM4RT Living Plan

Balanced Scorecard

# 2015



THE SINGLE MOST  
IMPORTANT INFLUENCE  
THAT CAN CHANGE OUR  
ENVIRONMENTAL FUTURE  
IS YOU



[york.ca/sm4rtliving](http://york.ca/sm4rtliving)

YORK REGION







**SM4RT LIVING**

reduce • reuse • recycle • recover



# Waste Management Performance


## 2015 Waste Generation Rate by Municipality (kg/capita)

	Town of Aurora	Town of East Gwillimbury	Town of Georgina	Township of King	City of Markham	Town of Newmarket	Town of Richmond Hill	City of Vaughan	Town of Whitchurch-Stouffville
	123	114	139	111	66	110	113	102	114
	83	79	81	91	71	80	73	68	78
	78	79	70	91	88	76	79	83	87
	58	62	38	52	34	50	37	32	40
	7	9	6	4	7	9	9	7	5
<b>Subtotal</b>	<b>349</b>	<b>343</b>	<b>334</b>	<b>349</b>	<b>266</b>	<b>325</b>	<b>311</b>	<b>292</b>	<b>324</b>
	11	66	127	5	4	24	15	5	15
<b>TOTAL</b>	<b>360</b>	<b>409</b>	<b>461</b>	<b>354</b>	<b>270</b>	<b>349</b>	<b>326</b>	<b>297</b>	<b>339</b>


## 2015 York Region Waste Generation Rate (kg/capita)


						<b>TOTAL</b>
<b>97</b>	<b>73</b>	<b>83</b>	<b>38</b>	<b>7</b>	<b>15</b>	<b>313</b>


 Garbage

 Yard Waste

 Recycling

 HHW, electronics, scrap metal, tires etc.

 Organics

 Small business users at depots/CECs



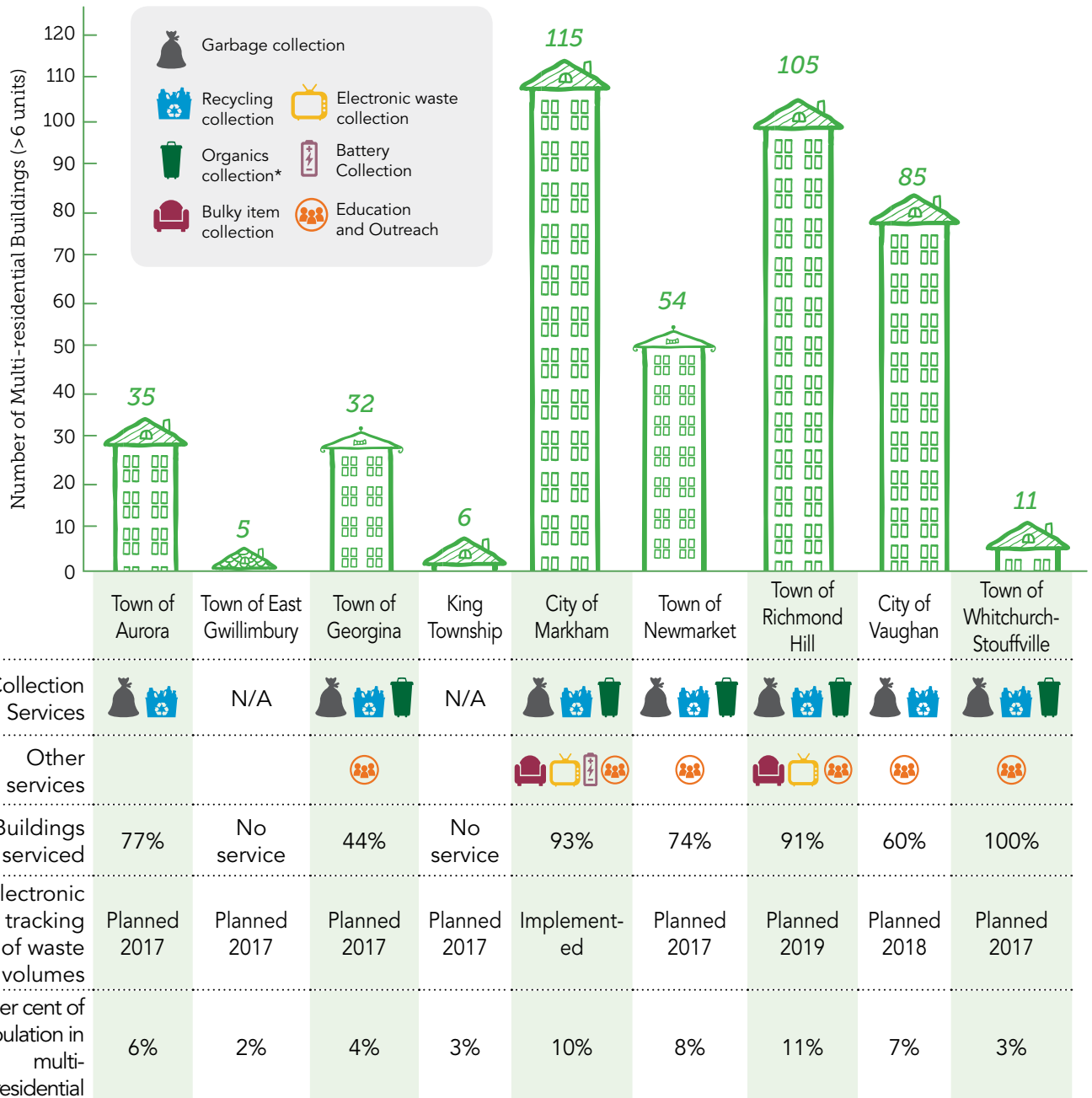
**2031 target total waste  
289 kg per capita**

## What is the Waste Generation Rate?

Waste generation rate (kg/capita) tracks progress towards the *SM4RT Living Plan* waste reduction target. The rate includes all streams of curbside residential waste as well as material from schools, municipal facilities and residential and small business visitors to the depots/CECs. Differences among municipalities may reflect the influence of housing types, seasonal population, and access to private waste facilities.

# Multi-Residential Waste Management

## Multi-Residential Services



\*Organics collection includes municipal curbside or front end bin/tote collection; may not be available at all buildings

## Waste diversion programs are expanding across York Region.

The Multi-residential Working Group is committed to continuous improvement through developing programs and data sharing to track successes and address any upcoming challenges in this growing sector. In 2016, the Working Group is collaborating on standard promotional materials and more detailed waste audits.

# Reducing Food Waste

## Good Food

PLAN. PREPARE. ENJOY.

Good Food is an award-winning program, designed to prevent food waste by promoting the benefit of involving families in meal planning, shopping and food preparation.

By 2031, Good Food will help York Region reduce food waste by 15 percent. This will be accomplished by continuing to provide residents with online tools resources and tips for effective shopping, food storage and managing leftovers. To learn more about this campaign visit [york.ca/GoodFood](http://york.ca/GoodFood)



Good Food public poster campaign

- ✓ Attended and hosted more than **40 events**
- ✓ **5,000 people** engaged where Good Food was featured
- ✓ **4,300 visits to webpage**
- ✓ Pin-to-Win contest received **1,700 visits** **140 submissions**
- ✓ Region Pinterest page reached **57 per cent increase** during Pin-to-Win contest
- ✓ Facebook photo contest from **October to December**

## Connection between food waste and shopping/cooking habits

In 2015, the Region partnered with the University of Guelph to gather survey data and curbside waste information to look at connections between household waste generation and food shopping and preparation habits amongst York Region residents. The study found people who shop more often also generate more food waste. This ties in with the messaging promoted by the Good Food program. Having a plan and checking the fridge before shopping helps avoid duplicate purchases that may end up in the green bin before they can be eaten.

# Reducing Food Waste

## Dig this:



The average resident puts **121 kg of green bin organics and yardwaste** at the curb per year



Greener Garden Composting participants in the Town of Aurora showed potential to compost an average of **50 kg of organics per year**

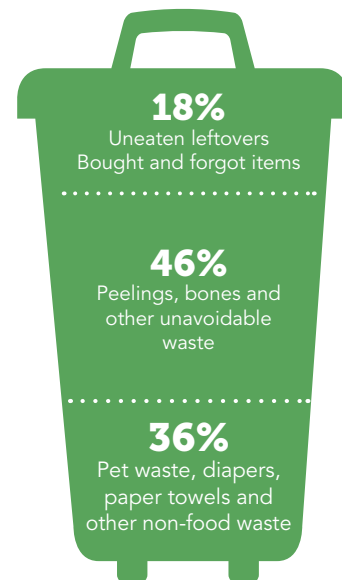
**41 per cent** reduction at the curb!\*

\* Greener Garden Composting Challenge pilot results were extrapolated to calculate potential annual impacts to curbside waste reduction



In 2016, the Greener Garden Composting Challenge will expand in the Town of Aurora and the Town of Richmond Hill to help **300 residents learn to compost**

## What's in the Green Bin?



## 180 Waste Outreach Events in York Region



In 2015, there were over 300 posts on social media relating to waste reduction programming.





# Local Municipal Commitments


Municipality	2015 Achievements	2016 Activities
Town of Aurora	<ul style="list-style-type: none"> <li>• Backyard composting pilot</li> <li>• Promote Good Food program</li> <li>• Multi-residential data/Working Group</li> </ul>	<ul style="list-style-type: none"> <li>• Explore curbside battery collection</li> <li>• Textile collection pilot</li> <li>• Establish community garden composting site</li> <li>• Composting workshops and challenge</li> <li>• Explore curbside swap days</li> </ul>
Town of East Gwillimbury	<ul style="list-style-type: none"> <li>• Promote Good Food program</li> <li>• Multi-residential data/Working Group</li> </ul>	<ul style="list-style-type: none"> <li>• Explore textile collection</li> <li>• Explore curbside swap days</li> </ul>
Town of Georgina	<ul style="list-style-type: none"> <li>• Promote Good Food program</li> <li>• Multi-residential data/Working Group</li> <li>• Hosted curbside swap days</li> </ul>	<ul style="list-style-type: none"> <li>• Explore curbside battery collection</li> <li>• Multi-residential development standards</li> <li>• Housing York reuse pilot</li> <li>• Hosted curbside swap days</li> </ul>
Town of King	<ul style="list-style-type: none"> <li>• Promote Good Food program</li> <li>• Multi-residential data/Working Group</li> <li>• Hosted curbside swap days</li> </ul>	<ul style="list-style-type: none"> <li>• Explore curbside battery collection</li> <li>• Explore pilot with multi-residential building</li> <li>• Hosted curbside swap days</li> </ul>
City of Markham	<ul style="list-style-type: none"> <li>• Expansion of Zero Waste Schools (on going)</li> <li>• Battery/WEEE collection in multi-residential</li> </ul>	<ul style="list-style-type: none"> <li>• Textile collection pilot</li> <li>• Vacuum system feasibility study</li> </ul>
Town of Newmarket	<ul style="list-style-type: none"> <li>• Promote Good Food program</li> <li>• Multi-residential data/Working Group</li> <li>• Hosted curbside swap days</li> </ul>	<ul style="list-style-type: none"> <li>• Explore curbside battery collection</li> <li>• Multi-residential development standards</li> <li>• Identify community garden composting site</li> <li>• Zero waste schools pilot</li> <li>• Housing York reuse pilot</li> <li>• Hosted curbside swap days</li> </ul>
Town of Richmond Hill	<ul style="list-style-type: none"> <li>• Promote Good Food program</li> <li>• Multi-residential data/Working Group</li> </ul>	<ul style="list-style-type: none"> <li>• Backyard composting pilot</li> <li>• Housing York reuse pilot</li> <li>• Multi-residential development standards</li> <li>• Explore curbside swap days</li> </ul>
City of Vaughan	<ul style="list-style-type: none"> <li>• Monitor composting pilot sites</li> <li>• Planning for multi-residential program</li> <li>• Multi-residential data/Working Group</li> </ul>	<ul style="list-style-type: none"> <li>• Multi-residential development standards</li> <li>• Multi-residential outreach</li> <li>• Textile collection events</li> <li>• Explore curbside swap days</li> </ul>
Town of Whitchurch-Stouffville	<ul style="list-style-type: none"> <li>• Multi-residential data/Working Group</li> <li>• Promote Good Food program</li> </ul>	<ul style="list-style-type: none"> <li>• Explore curbside battery collection</li> <li>• Explore curbside swap days</li> <li>• Identify community garden composting site</li> </ul>


# 2015 Accomplishments


## 2015 Planned Initiatives

## Status

### REDUCE

Launch Good Food campaign and track food waste patterns in York Region through audits and data collection 


Continue to facilitate adoption of model development standards with local municipalities 

Monitor and evaluate composting pilots at community gardens in City of Vaughan and initiate backyard composting project with Town of Aurora 

Investigate Green Procurement Strategies at York Region 


### REUSE


NEW! Investigate feasibility of swap events 


Collaborate with industry stakeholders on pilot for textile collection 


### RECYCLE


NEW! Multi-residential Working Group and data collection 

NEW! Assess material volume data at applicable multi-residential buildings 

NEW! Preliminary evaluation of long term options for source separated organics 

Continue development of new metrics and balanced scorecard for waste management 

Advocate for change – sustainable packaging compatible with municipal recycling systems 

Secure local municipal partner to implement Regional Zero Waste Schools model in 2016 

### OTHER

Explore alternative financing – initiate full-cost accounting study 

 Complete    In Progress    Ongoing

The SM4RT Living Plan combines traditional approaches and innovative, community-driven programs to maximize long-term benefits.

**17**  
strategies



**60**  
initiatives



## 2016 Initiatives

### REDUCE

**NEW!** Investigate opportunities to offer educational support for Industrial, Commercial and Institutional waste generators

Continue to implement Good Food program and track food waste generation rates

### REUSE

**NEW!** Baseline data gathering on reuse practices in York Region

**NEW!** Investigate feasibility of reuse pilots in multi-residential buildings

**NEW!** Identify partners for reuse pilot projects in the community

Textile collection pilots in Aurora and Markham

### RECYCLE

**NEW!** Investigate reuse/recycling partners for Community Environmental Centres (CEC)

**NEW!** Track trends in material changes at the Material Recovery Transfer Facility

**NEW!** Investigate options to increase construction waste diversion in new developments

Zero Waste Schools pilot in N6 schools

Advocate on municipal position for new waste management programming and legislation

Continue evaluation of long-term Source Separated Organics processing options

### RECOVER

**NEW!** Characterization of residuals to support planning for long-term processing options

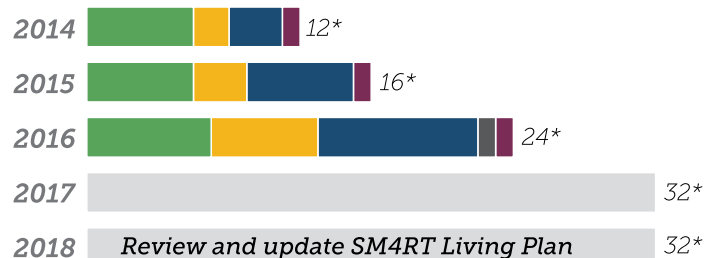
### OTHER

Complete Full Cost Accounting study

## SMART Living Priorities – 1<sup>st</sup> Five Years

• Reduce food waste	2
• On-site and backyard composting	2
• Investigate green procurement opportunities	4
• Textile collection	1
• Swap events	4
• Investigate attitudes around reuse	1
• Tool sharing	1
• Advocate for change	1
• Plan for growth	3
• Multi-residential data collection and program development	4
• External funding for blue box	2
• Plan for new organics processing capacity	1
• Long-term CEC and depot strategy	2
• Plan for future residual processing facility capacity	1
• Policy development for Energy-from-Waste	1
• Plan for Energy-from-Waste expansion	1
• Explore alternative financing	1

## SMART Living Implementation Progress



\*Number of initiatives underway

