



Commercial Recycling - Update

April 21st 2016

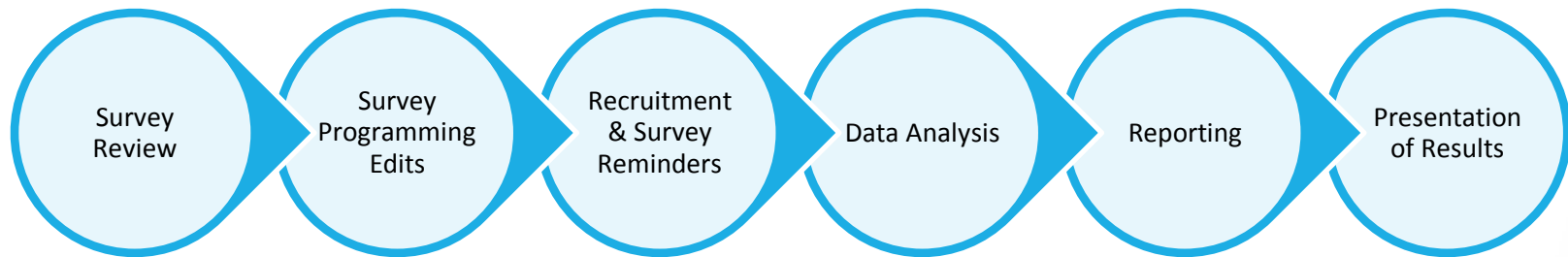
Research Objectives

The primary objective of this research is to track levels of participation and diversion among commercial businesses (including office buildings, apartments, and hotels) over time.

- This tracking data will quantify the behavioral changes as a result of outreach by the associations.
- Additional research objectives include:
 - Understanding how recycling rates vary by:
 - Type of property.
 - Facility size.
 - Identifying barriers to recycling.

Research Methodology

To increase survey participation, the survey was condensed and focused on recycling participation.



Sample Sources and Recruitment

These three associations prepared lists of potential respondents, notified members, and followed up with reminders as needed.

- Dallas Zero Waste also sent 4 email reminders to the properties.



813 potential
respondents



207 potential
respondents



206 potential
respondents

Response Rates



	Response Rate	Respondents
2014	24%	161
2015	27%	195
2016	22%	179

	Response Rate	Respondents
2014	14%	24
2015	27%	43
2016	19%	39

	Response Rate	Respondents
2014	21%	44
2015	23%	46
2016	41%	85

Respondents by Property Size

	Definition of Property Size	2014	2015	2016
AAGD				
Small Property	0 to 199 units	53	76	66
Midsized Property	200 to 399 units	72	85	84
Large Property	over 400 units	32	32	29
HANTx				
Small Property	0 to 150 rooms	7	11	15
Midsized Property	151 to 500 rooms	11	22	14
Large Property	over 500 rooms	5	8	10
BOMA				
Small Property	0 to 249,999 sq. ft.	12	21	32
Midsized Property	250,000 to 999,999 sq ft	17	25	31
Large Property	over 1,000,000 sq ft	9	13	22

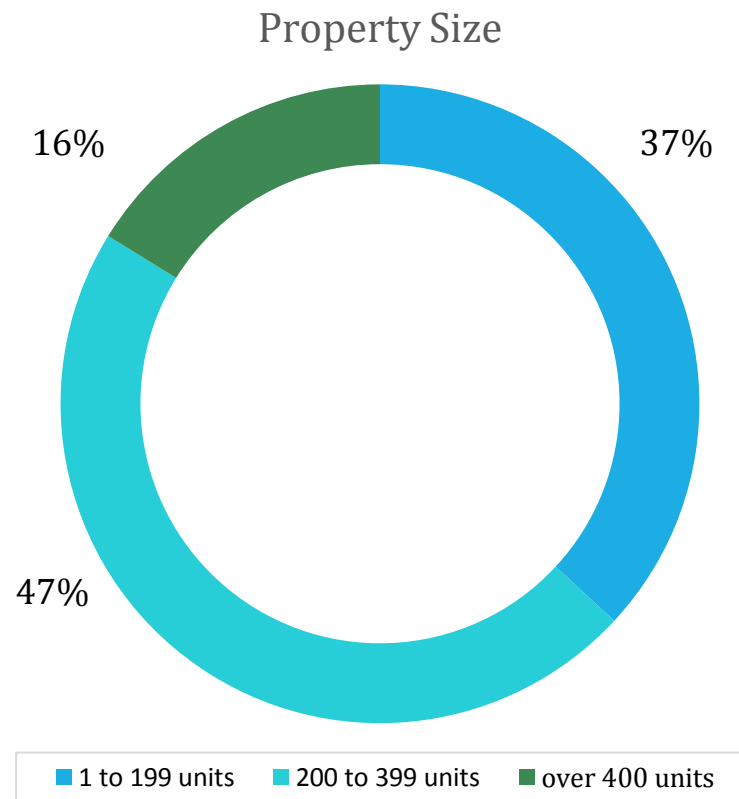
Summary of Findings



Apartment Association of Greater Dallas

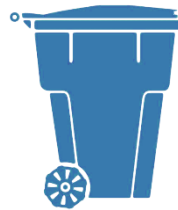
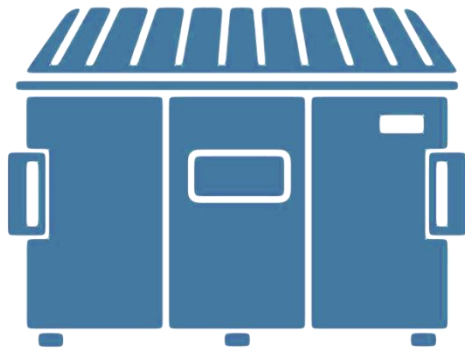


Respondents by Property Size

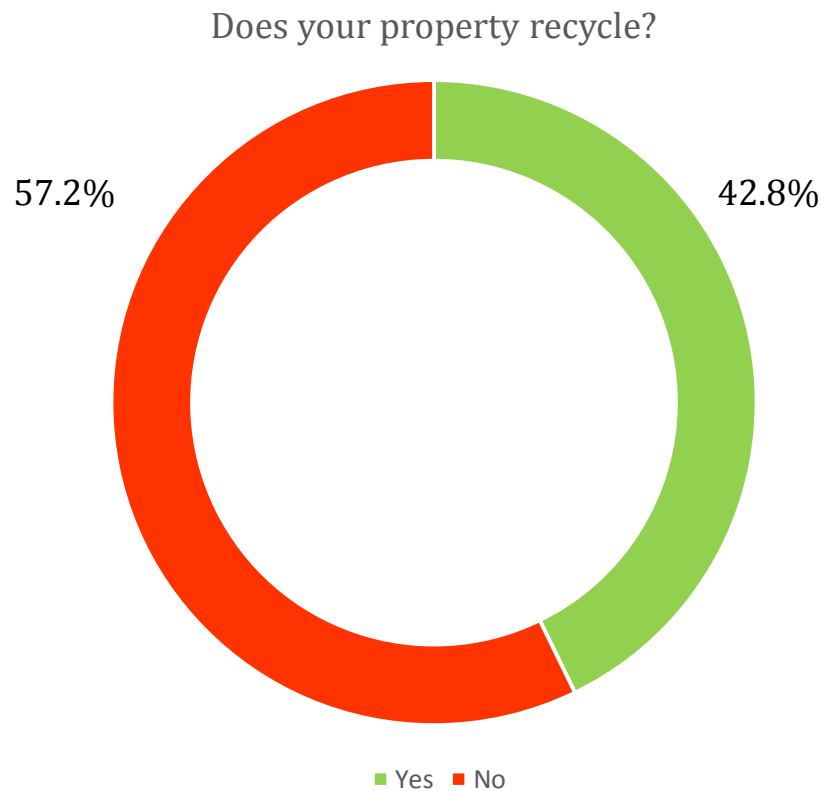


Goal for January 1st 2016

- AAGD
 - 50% recycling rate by 1/1/2016

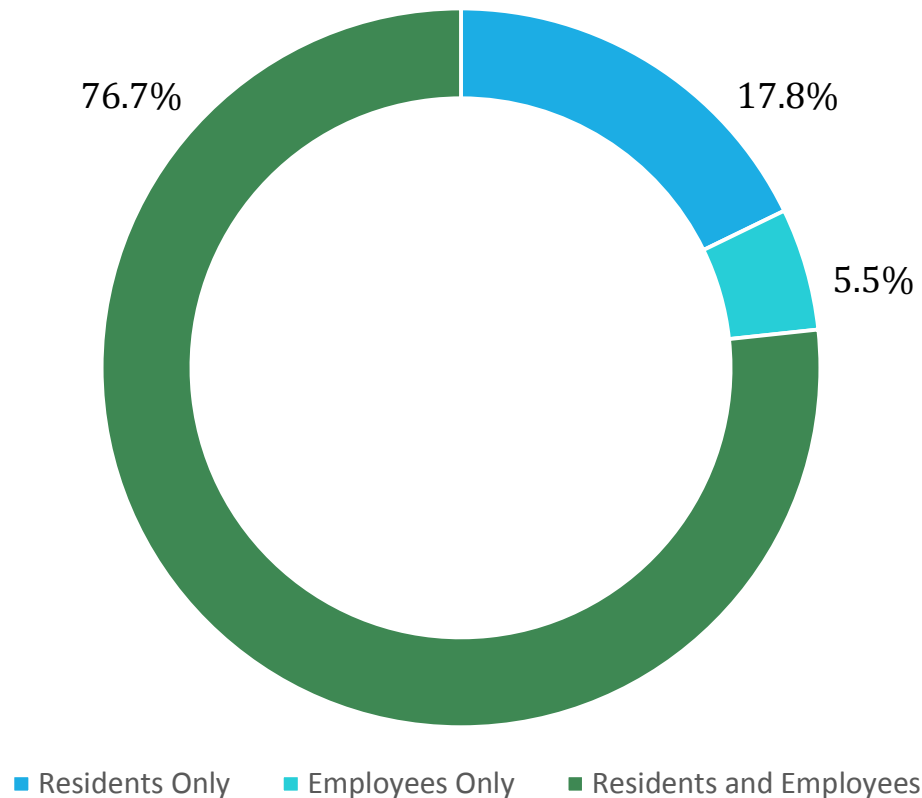


AAGD: Recycling Participation



AAGD: Recycling Access

Of those who have recycling, who has access to the recycling bins?



Zero Waste: Obstacles to Recycling

Reasons for <u>Not</u> Recycling	2014	2016
Not enough space	39%	33%
Owners/Managers have not requested it	41%	29%
Residents have not requested it	33%	27%
Equipment/Education/Staff training is too expensive	24%	25%
Other	N/A	14%

- Survey respondents were able to select multiple answers from a menu of options

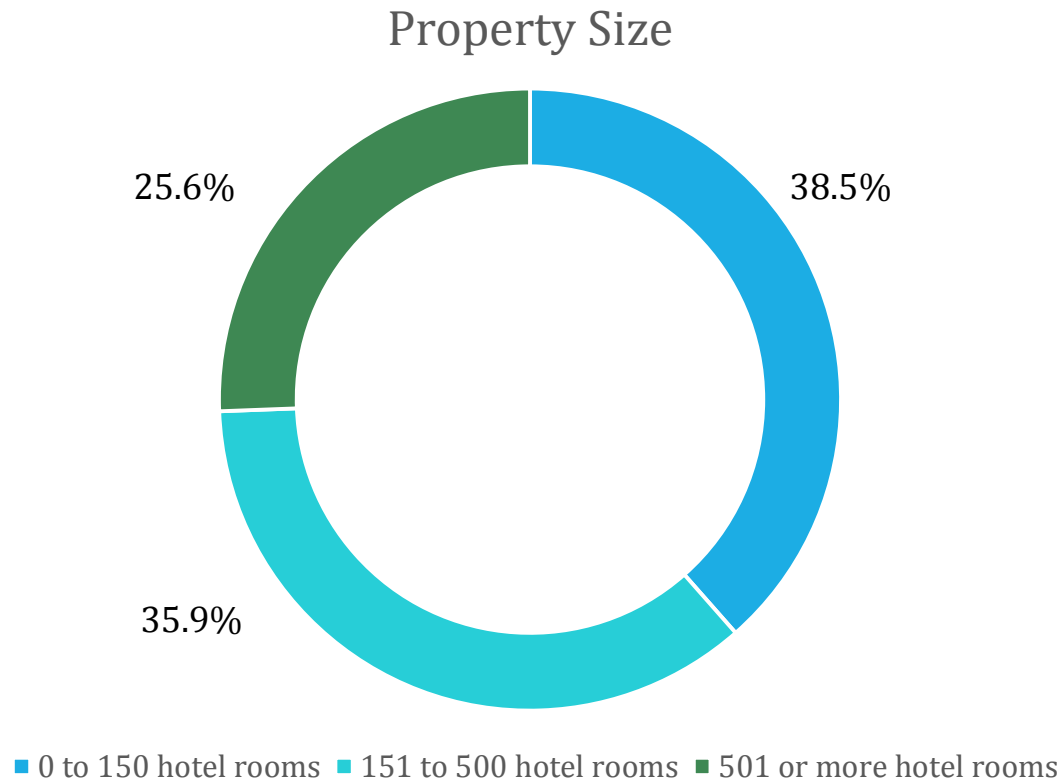
Zero Waste: Obstacles to Recycling

- Comments from “Other”
 - “We are under renovation”
 - “We are in the process of implementing a recycling program”
 - “We are in the process of adding recycling”
 - “We have tried recycling. Residents would continue to place household trash in the container so we removed”

Hotel Association of North Texas

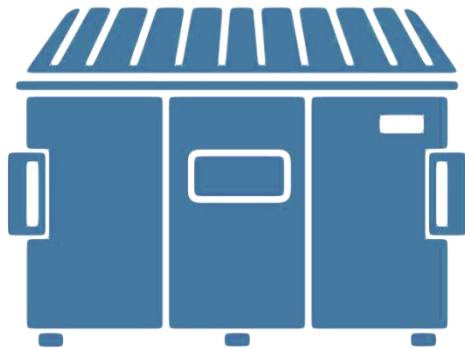


Respondents by Property Size

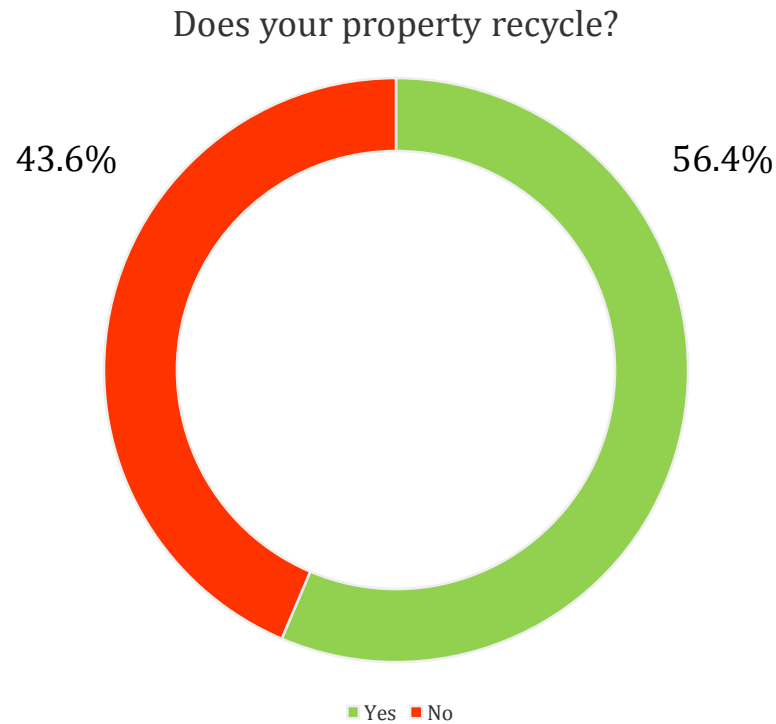


Goal for January 1st 2016

- HANTx
 - 70% recycling rate by 1/1/2016

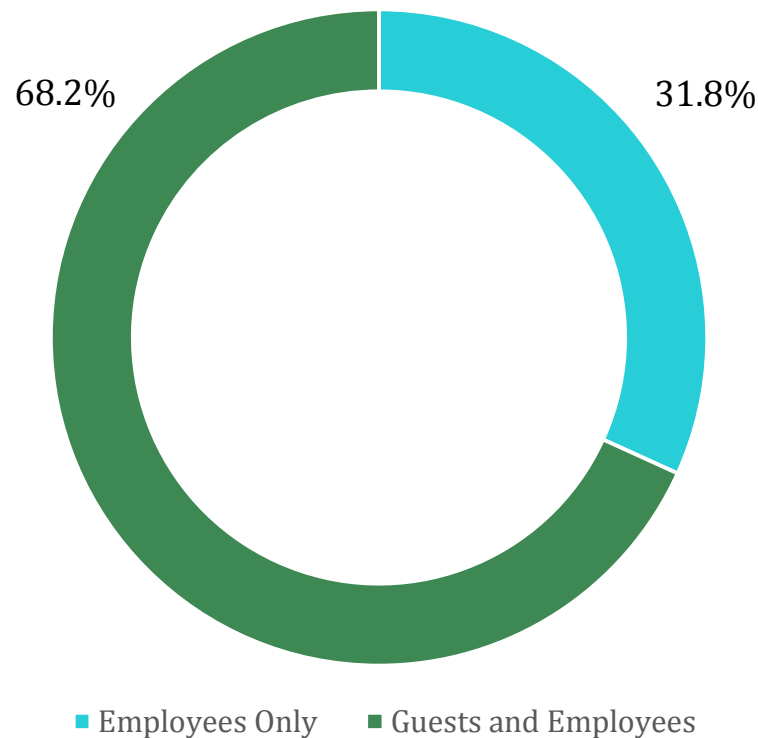


HANTx: Recycling Participation

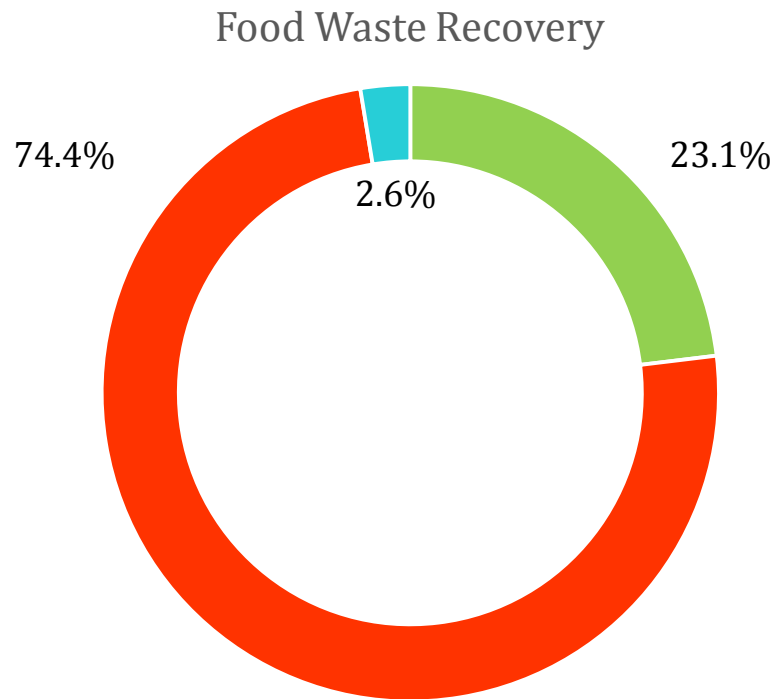


HANTx: Recycling Access

Of those who have recycling, who has access to the recycling bins?



HANTx: Organics Recycling



■ Yes ■ No ■ We will have a program in place in the next 6 months.

Zero Waste: Obstacles to Recycling

Reasons for <u>Not</u> Recycling	2014	2016
Not enough space	50%	35%
Owners/Managers have not requested it	50%	24%
Guests have not requested it	17%	0%
Equipment/Education/Staff training is too expensive	17%	47%
Other	N/A	18%

- Survey respondents were able to select multiple answers from a menu of options

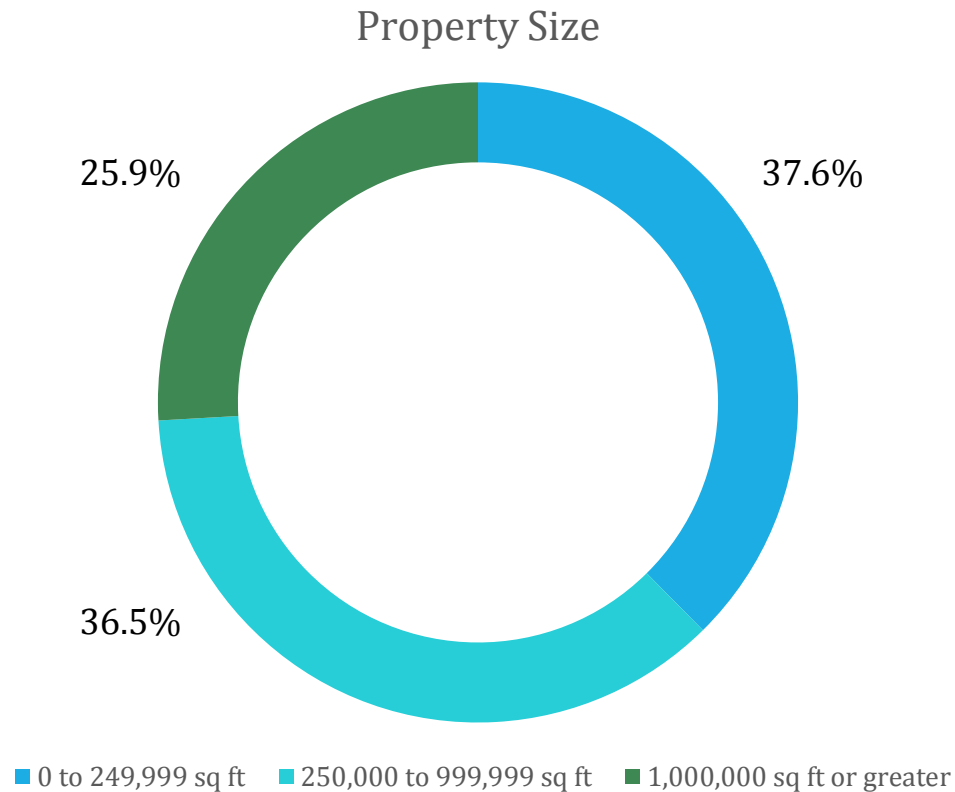
Zero Waste: Obstacles to Recycling

- Comments from “Other”
 - “Shared trash with building complex”
 - “Staffing shortages and resources to manage the efforts”
 - “We have not researched”

BOMA Dallas



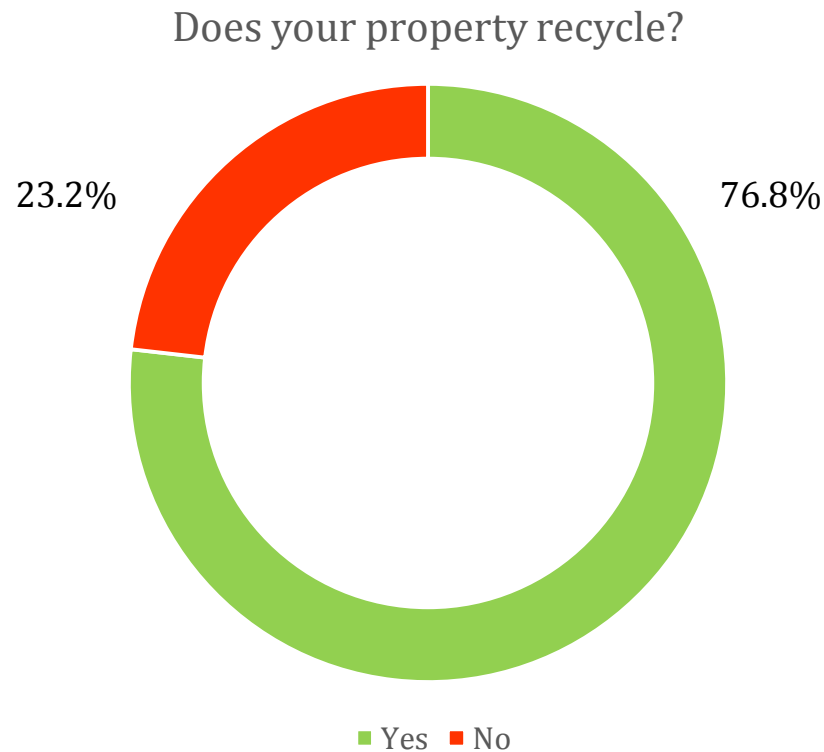
Respondents by Property Size



Goal for January 1st 2016

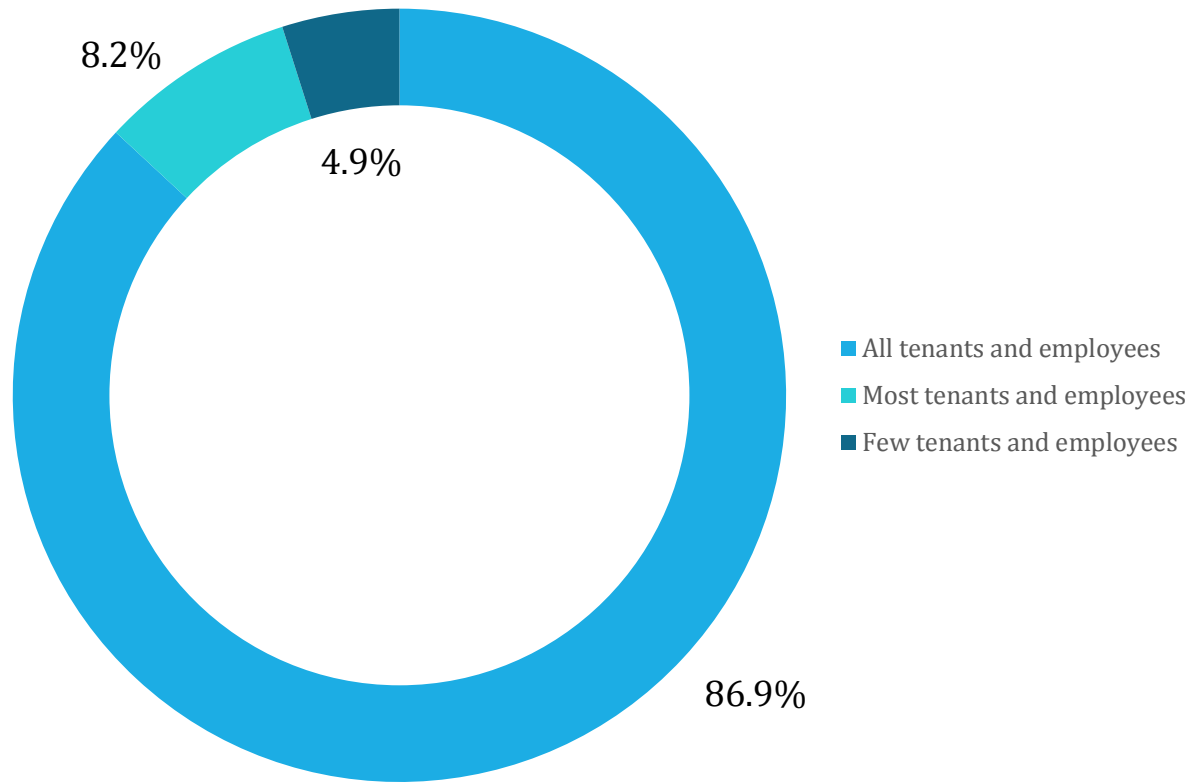
- BOMA
 - Comfortable with current recycling levels

BOMA: Recycling Participation



BOMA: Recycling Access

Of those who have recycling, who has access to the recycling bins?



Zero Waste: Obstacles to Recycling

Reasons for <u>Not</u> Recycling	2014	2016
Not enough space	50%	21%
Owners/Managers have not requested it	-	17%
Tenants have not requested it	-	8%
Equipment/Education/Staff training is too expensive	17%	29%
Other	N/A	46%

- Survey respondents were able to select multiple answers from a menu of options

Zero Waste: Obstacles to Recycling

- Comments from “Other”
 - “We have a recycling program, just not single stream”
 - “We are new owners of the property and have not implemented a program yet”
 - “We have not implemented a recycle stream program as of yet, we are looking at starting”
 - “We recycle clean paper, cardboard and aluminum and plastic containers but we keep them separate”
 - “Two basket recycling ensures that recycling gets into our recycling compactor”

Commercial Recycling: Overall

