

### 30 QUEEN STREET EAST

RESIDENTIAL  
WASTE GENERATION ESTIMATE  
CUBIC METERS (m<sup>3</sup>) PER WEEK

WASTE GENERATION ESTIMATE(m <sup>3</sup> )			A	B	C	D	E	F	G	H	I	J
DESCRIPTION	TOTAL UNITS	TOTAL AREA IN m <sup>2</sup>	WASTE GENERATION ESTIMATE IN m <sup>3</sup>	ORGANIC WASTE	CORRUGATED CARDBOARD	GLASS CANS PLASTIC	NEWSPRINT PAPER	E-WASTE	HAZARDOUS MATERIALS	REMOVABLE RECYCLABLE MATERIALS	TOTAL WASTE TO LANDFILL	COMPACTED AT 3:1 RATIO
			A	B	C	D	E	F	G	H+I+J+K	A - H	I/J
RESIDENTIAL UNITS-TOWER A	551	27,968	168.52	33.70	16.85	33.70	8.43	1.69	0.84	92.68	75.83	25.28
RESIDENTIAL UNITS-TOWER B	588	27,968	179.83	35.97	17.98	35.97	8.99	1.80	0.90	98.91	80.93	26.98
<b>Total Residential</b>	<b>1,139</b>	<b>55,935.26</b>	<b>455.60</b>	<b>0.40</b>	<b>0.20</b>	<b>0.40</b>	<b>0.10</b>	<b>0.02</b>	<b>0.01</b>	<b>1.74</b>	<b>191.59</b>	<b>156.76</b>

#### TOWER A-RESIDENTIAL - CODE REQUIREMENT

Number of Units		551
<b>Garbage Bins</b>		<b>3 CY</b> <b>4 CY</b> <b>6 CY</b>
Uncompacted	Minimum # of Units	18   24   36
Compacted	Maximum # of Units	54   72   N/A
<b>Recycling Bins</b>		<b>3 CY</b> <b>4 CY</b> <b>6 CY</b>
Uncompacted	Maximum # of Units	45   60   90
<b>Organic Bins</b>		<b>95 US Gal</b> <b>3 CY</b>
Uncompacted	Maximum # of Units	TBA   TBA

Number of Garbage Bins		3 CY	Garbage Room Size (Tower A)	
	10.20	11	3 CY Bins	120
Number of Recycling Bins			Compactor	10
	12.24	13		130 SM
Number of Organic Bins			Plus 10 SM Bulk Space	140 SM
	5.51	-	Bin Staging Area(Tower A)	
			3 CY Bins	12
<b>Total bins</b>		<b>24</b>	<b>Staging Area*</b>	<b>60 SM</b>

#### TOWER B-RESIDENTIAL - CODE REQUIREMENT

Number of Units		588
<b>Garbage Bins</b>		<b>3 CY</b> <b>4 CY</b> <b>6 CY</b>
Uncompacted	Minimum # of Units	18   24   36
Compacted	Maximum # of Units	54   72   N/A
<b>Recycling Bins</b>		<b>3 CY</b> <b>4 CY</b> <b>6 CY</b>
Uncompacted	Maximum # of Units	45   60   90
<b>Organic Bins</b>		<b>95 US Gal</b> <b>3 CY</b>
Uncompacted	Maximum # of Units	TBA   TBA

Number of Garbage Bins		3 CY	Garbage Room Size (Tower B)	
	10.89	11	3 CY Bins	125
Number of Recycling Bins			Compactor	10
	13.07	14		135 SM
Number of Organic Bins			Plus 10 SM Bulk Space	145 SM
	5.88	-	Bin Staging Area(Tower B)	
			3 CY Bins	13
<b>Total bins</b>		<b>25</b>	<b>Staging Area*</b>	<b>65 SM</b>
<b>Consolidated Bin Staging Area for Tower A &amp; Tower B</b>				
<b>No. of 3 CY Bins To Be Staged</b>		<b>25</b>	<b>Staging Area for Bins</b>	<b>125 SM</b>
<b>Staging Area Required Inclusive of Bulk Waste Staging</b>				<b>145 SM</b>

\*No. of Bins To Be Staged Is Equal to One Bin Less Than Maximum No. Of Bins For Any Stream.

30 QUEEN STREET EAST Waste Generation Estimate- Commercial		Total Waste Generation Estimate Cubic Meters (CM) per WEEK	(1) Organics / Compostable (CM/Wk)	(2) Corrugated Cardboard (CM/Wk)	(3) Commingled Recyclable (CM/Wk)	(4) Mixed Paper (CM/Wk)	(5) Universal & Recyclable Hazardous (CM/Wk)	(6) Non- Recyclable Hazardous (CM/Wk)	Total Diversion from Landfill	Total Diversion %	General Trash (CM/Wk)	Compacted 3:1 Ratio (CM/Wk)	
													Square Meter
<b>TOWER-A</b>													
Ground Floor	Retail(F&B)	590	13.87	2.08	2.08	2.08	0.28	0.14	0.14	6.8	49%	7.1	2.4
<b>Sub Total (Tower-A)</b>		<b>590</b>	<b>13.87</b>	<b>2.08</b>	<b>2.08</b>	<b>2.08</b>	<b>0.28</b>	<b>0.14</b>	<b>0.14</b>	<b>6.8</b>	<b>49%</b>	<b>7.1</b>	<b>2.4</b>
<b>TOWER-B</b>													
Ground Floor	Retail(F&B)	670	15.75	2.36	2.36	2.36	0.32	0.16	0.16	7.7	49%	8.0	2.7
First Floor	Retail(F&B)	535	12.34	1.85	1.85	1.85	0.25	0.12	0.12	6.0	49%	6.3	2.1
<b>Sub Total (Tower-B)</b>		<b>1,205</b>	<b>28.09</b>	<b>4.21</b>	<b>4.21</b>	<b>4.21</b>	<b>0.56</b>	<b>0.28</b>	<b>0.28</b>	<b>13.8</b>	<b>49%</b>	<b>14.3</b>	<b>4.8</b>
<b>TOTAL WASTE VOLUMES</b>		<b>1795</b>	<b>42.0</b>	<b>6.3</b>	<b>6.3</b>	<b>6.3</b>	<b>0.8</b>	<b>0.4</b>	<b>0.4</b>	<b>20.6</b>	<b>49%</b>	<b>21.4</b>	<b>7.1</b>

## 30 QUEEN STREET EAST-Commercial

WASTE SUMMARY	Total Waste Generation Estimate (CM) per week	Total Waste Diversion Estimate (CM/Wk)	General Trash Uncompacted (CM/Wk)	General Trash Compacted 3:1 Ratio (CM/Wk)
COMMERCIAL-TOWER A	13.9	6.8	7.1	2.4
COMMERCIAL-TOWER B	28.1	13.8	14.3	4.8
<b>Total</b>	<b>42.0</b>	<b>20.6</b>	<b>21.4</b>	<b>7.1</b>

RECYCLABLES BREAK-DOWN	(1) Organics (CM/Wk)	(2) Corrugated Cardboard (CM/Wk)	(3) Commingled Recyclable (CM/Wk)	(4) Mixed Paper (CM/Wk)	(5) E-Waste & Recyclable Hazardous (CM/Wk)	(6) Non-Recyclable Hazardous (CM/Wk)
COMMERCIAL-TOWER A	2.1	2.1	2.1	0.3	0.1	0.1
COMMERCIAL-TOWER B	4.2	4.2	4.2	0.6	0.3	0.3
<b>Total</b>	<b>6.3</b>	<b>6.3</b>	<b>6.3</b>	<b>0.8</b>	<b>0.4</b>	<b>0.4</b>

(1) Organic Wastes include items such as fruits, vegetables, eggs, paper egg containers, plants, coffee grounds, filters, tea bags, soiled paper products (napkins, towels), daily on-site yard maintenance, etc.

(2) Corrugated Cardboard & Mixed Paper (non-confidential)

(3) Co-mingled Recyclables include plastics, glass, cans/metals (single stream).

(4) Donatable and Bulk Recycling materials include equipment, furniture, etc.

(5) E-Waste & Recyclable Hazardous Materials include print cartridges, computers, phones, electronic cords, batteries, light bulbs, cooking oil, etc.

(6) Non-Recyclable Hazardous Wastes include paints, aerosol cans, chemicals, hazardous oils, etc.

## 30 QUEEN STREET EAST- COMMERCIAL

### WASTE EQUIPMENT & SPACE PROGRAM

#### TRASH AREA-TOWER A

Waste Type	Location	Equipment	* Area (SM)	Notes
General / Landfill Trash	Garbage Room	2 x 2.3 CM Dumpster Bins	10	Pick-up two times per week
Organic/Compostable Waste	Tempered Room	1 x 1.5 CM Dumpster Bin	5	Pick-up two times per week. Tempered (AC) enclosed room; 3x air changes per hour.
Co-Mingled Recyclables (NON-RESIDENTS) (plastics, cans/metals, glass)	Garbage Room	1 x 2.3 CM Dumpster Bins	5	Pick-up two times per week
Cardboard	Garbage Room	1 x 2.3 CM Dumpster Bins	5	Pick-up two times per week
Universal / E-Waste / Recyclable Hazardous	Garbage Room	1 x 95-gallon carts	2	Pick-up two times per week
Non-Recyclable Hazardous	Holding Room; Secure Cabinets	Hazardous Waste Cabinets (x1), Shelving	4	Option location within Facility Maintenance Dept.
On-Site Cart / Can / Mat Wash	Wash Room	Hot/cold pressure washer w/ mixing valve; shelving.	8	
Bulk Waste & Donatables	Soiled Dock; Cage	Cage	5	
Hand Sink, Mop Sink Cabinet	Cart Wash	Handsink w/Eyewash, Mop Sink Cabinet	2	Part of Cart Wash area
Miscellaneous Equipment	Soiled Dock	Ionizer, Fly Zapper		
Used Cooking Oil	Tank within 40 feet of oil truck parking	1~2 x Oil Tank, Transport Caddy	8	System includes transport caddy.

54

## 30 QUEEN STREET EAST- COMMERCIAL

### WASTE EQUIPMENT & SPACE PROGRAM

#### TRASH AREA-TOWER B

Waste Type	Location	Equipment	* Area (SM)	Notes
General / Landfill Trash	Garbage Room	4 x 2.3 CM Dumpster Bins	20	Pick-up two times per week
Organic/Compostable Waste	Tempered Room	2 x 1.5 CM Dumpster Bin	10	Pick-up two times per week. Tempered (AC) enclosed room; 3x air changes per hour.
Co-Mingled Recyclables (NON-RESIDENTS) (plastics, cans/metals, glass)	Garbage Room	1 x 2.3 CM Dumpster Bins	5	Pick-up two times per week
Cardboard	Garbage Room	2 x 2.3 CM Dumpster Bins	10	Pick-up two times per week
Universal / E-Waste / Recyclable Hazardous	Garbage Room	1 x 95-gallon carts	2	Pick-up two times per week
Non-Recyclable Hazardous	Holding Room; Secure Cabinets	Hazardous Waste Cabinets (x1), Shelving	4	Option location within Facility Maintenance Dept.
On-Site Cart / Can / Mat Wash	Wash Room	Hot/cold pressure washer w/ mixing valve; shelving.	8	
Bulk Waste & Donatables	Soiled Dock; Cage	Cage	5	
Hand Sink, Mop Sink Cabinet	Cart Wash	Handsink w/Eyewash, Mop Sink Cabinet	2	Part of Cart Wash area
Miscellaneous Equipment	Soiled Dock	Ionizer, Fly Zapper		
Used Cooking Oil	Tank within 40 feet of oil truck parking	1~2 x Oil Tank, Transport Caddy	8	System includes transport caddy.

73.5

Notes:

\* - Areas are estimated and do not include general circulation (corridor access) but does include equipment and operational area.  
Areas do not include truck access / parking