



**City of Kingston**  
**Department of Public Works**  
**Annual Report**  
**2018**



*Edward Norman, Superintendent*

*Ryan M. Coon, Deputy Superintendent*

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### **Appendix A – 2018 Recycling Tonnage**

### **Appendix B – 2018 Refuse Tonnage**



**Department:** Public Works

**Staff:** 60 Full-time

**Superintendent:** Edward Norman

Phone: 845-331-0682      E-mail: [enorman@kingston-ny.gov](mailto:enorman@kingston-ny.gov)

**Deputy Superintendent:** Ryan M. Coon

Phone: 845-331-0682      E-mail: [rcoon@kingston-ny.gov](mailto:rcoon@kingston-ny.gov)

Website: [www.kingston-ny.gov](http://www.kingston-ny.gov)

**2018 Budget: Public Works:** \$ 7,536,471    **Sewer:** \$5,084,585    **Citibus:** \$ 927,549

### **Department Functions**

The City of Kingston Department of Public Works is headed by the Superintendent of Public Works, who oversees a workforce of approximately 60 persons. The Department is divided into nine primary divisions.

1. **Public Works Administration** ensures the safe and smooth operation of its various divisions. It plans, budgets and coordinates projects with other City Departments and sections. All excavation permits, sidewalk permits, curb cut permits and work orders are issued through this division.
2. **Safety Division** is responsible for developing safety and health programs. It provides training of all programs to ensure all City employees have the skills and information to successfully protect themselves and the general public.
3. **Street Division** is responsible for traffic control, street paving and repair, painting, striping, signage along with sidewalk and curb installation.
4. **Sewer Maintenance Division** ensures sewer mains remain in proper working order through our preventive maintenance program. This consists of routine cleaning of all public sewer mains in which an obstruction may occur. They are responsible for installation and repair of all manholes, catch basins and sewer mains.
5. **Sanitation** encompasses City of Kingston solid waste, yard waste and recycling collection services. It plans, implements, coordinates and directs programs for the collection of trash and recycling material in compliance with all regulations.
6. **Waste Water Treatment Division** is in operation to protect public health and to ensure minimal impact on aquatic environment through collection and treatment of waste water within our regional area. The facility crew operates and maintains the collection and treatment systems.
7. **Citibus Division** provides safe, affordable and reliable public transportation by being in compliance with all Federal, State and City Safety regulations.
8. **Fleet Maintenance Division** maintains, repairs and services all vehicles and equipment owned and operated by the City of Kingston.

9. **Park Maintenance Division** assists the Parks & Recreation Department with on-going maintenance and development of the City parks, streetscapes and athletic complexes throughout the City of Kingston.

### **Mission Statement**

The Department of Public Works is committed to providing a safe and healthful environment for all employees, residents and visitors of our City. Our goal is to put into practice and maintain DPW Safety Rules and Established Procedures, promoting safety awareness and safe work practices for all City Departments and employees while performing our duties maintaining the infrastructure of the City of Kingston. Ensure compliance with all Federal, State and City regulations to reduce and prevent accidents, injuries and illnesses to all. This will be accomplished through Employee and Community involvement at all levels of the city, which is critical to be successful in this effort. Through our combined efforts the City of Kingston will be a safe and healthy place for employees to work, residents to live and visitors to enjoy.

### **2018 Accomplishments**

#### **STREETS/SEWER**

- Paved 13 Streets, 6,680 tons of blacktop were placed
- Cleaned approximately 148 catch basins
- Approximately 90 catch basins were repaired
- Repaired approximately 78 manholes
- Jet-rodded storm and sanitary sewer pipes. This work included routine maintenance of known hotspots. Additionally, the sewer department responds to blockages and jet rods the main line accordingly. Approximately 25 miles of sewer were rodded.
- Cleaned sewer pump stations multiple times and locations
- Responded to 2,149 utility mark outs to identify and locate City owned utilities in vicinity of excavations in response to Dig Safe NY (811)
- Swept all city streets 5 times, some streets swept more based on need
- The Department assisted with the Washington Avenue Central Hudson Gas Line Replacement project by setting up detours.
- The Department assisted with the construction/refurbishment of upper road in Forsyth Park.
- Greenkill Avenue replacement of sanitary sewer line. A temporary repair to open the road to vehicular traffic until an Engineering report is completed for a permanent solution. Street was excavated and sewer line repaired.
- Henry Street – repair of sinkhole and re-stabilization of road surface. Replacement of storm sewer line
- Staples Street – Repair of sinkhole. Area excavated, repaired and roadway re-stabilized.
- Assist in the installation of 3 Electric Vehicle Charging Stations.

## **SANITATION**

- Recycled over 1,700 tons– see appendix A
- Collected over 7,800 tons of refuse City wide – see appendix B
- Additionally, the following items were collected roadside
  - 147 pieces of furniture (couches, chairs, desks, etc.)
  - 105 mattresses/box springs
  - 111 tires
  - 4 electronic goods
  - 3 white goods (stoves, microwave, etc.)

### **Violations**

**-\$57,569 billed  
-\$15,415 collected  
-\$4,934 voided  
-\$27,110 unpaid  
-\$10,110 re-levy**

- Transfer Station is operated Friday and Saturday throughout the year. Items collected include tires, furniture, electronics (computers, printers, TVs, monitors, stereos etc.), wood, yard waste, recyclables, refuse, metal and white goods (refrigerators, washers, dryers, microwaves, etc.)

## **SNOW AND ICE REMOVAL**

- Public works responded to 22 winter storms 2018. There were 5 snow storms with accumulations in excess of three inches.
- 1,952 tons of salt was purchased

## **CONSTRUCTION MANAGEMENT AND CONSTRUCTION SUPPORT**

### **2018 Developments**

- The Department welcomed a new Superintendent, Edward Norman, and new Deputy Superintendent, Ryan Coon, in September. They will be working closely with the City's Engineering Department to move City projects forward by utilizing City employees and equipment. This is anticipated to save the taxpayers money in emergency engineering and repair costs

- The City has begun construction of our Jacob's Valley Strom Sewer Improvements project. This effort will involve a mixture of storm sewer pipeline replacement as well as lining of existing drainage pipe in an effort to reduce the flooding in the Broadway (CSX overpass), YMCA, and Summer Street locations. Streets affected will include Pine Grove Avenue, Susan and Summer Streets, as well as South Sterling Street. Current efforts include construction of the downstream connection point located in the Wiltwyck Cemetery and the length passing through the CSX-owned landfill area. The street construction work will commence in early Spring 2019 with an expected completion in August 2019.
- To date the LED streetlight conversion project yielded 413 street light replacements. Phase 5 is to commence in early January 2019, with 76 more streetlights to be converted.

## **2019 Goals**

- Further develop QAlert Work Order System. QAlert has brought the Department's work order system to the next level utilizing the most current technology. The system includes citizen engagement web tools. Currently citizens can place service requests via call or web. When the issue is resolved, QAlert automatically notifies citizen via text, email or phone call. There is a feature to use a mobile phone app that is planned for implementation in 2019. Additionally, there are plans to integrate this with a 311 phone system.

QAlert allows staff:

1. To enter a service request in seconds.
  2. Have instant access to an internal knowledge base that enables staff to answer questions and log calls in seconds
  3. Easily link and identify related or duplicate service requests
  4. View request data on a map
  5. Auto-populate citizen name, address, contact information and more for quick entry
  6. Easily locate requests using robust search functionality
  7. Send automated text, call, and email notifications to citizens
- The Department plans to work with Engineering Department, Mid-Hudson Street Light Consortium and City Administration to further advance the citywide LED Streetlight Conversion Project. In April 2017 the City purchased street lights on Central Hudson wooden poles. As these lights go out of service they have been replaced with LED equivalent fixtures. The use of energy efficient LED streetlights will save money and further promote environmental stewardship.

- The Greenkill Avenue Storm and Sanitary Sewer Replacement Project will begin at the intersection of Prospect Street and extend upstream in a northeasterly direction approximately 1,400 feet prior to the overpass at Broadway. The project will include replacing the existing 20" diameter storm sewer with a 24" diameter plastic (HDPE) pipe. The storm sewer replacement will include approximately 6 new manholes and 18 new catch basins. The project will also include replacing the existing sanitary sewer pipe with a 15" diameter PVC pipe. The sanitary sewer replacement will include approximately 6 new manholes and 22 new lateral connections.
- Multiple sanitary sewer main repairs are planned. This will help rehabilitate the aging sewer infrastructure and to help prevent future infiltration of storm water, sand and debris from entering the treated sanitary system.
- Upgrades will be made to the Kingston Transfer Station in anticipation of using the site for temporary unloading of recycling to prepare for the transition to dual stream recycling from single stream recycling.
- Public Works anticipates paving approximately 15 streets in 2019. This will include milling and paving as well as ADA compliant corners.

**REFUSE TONAGE 2018**  
**YEARLY TOTALS**

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC								
631.83	541.33	581.86	635.08	744.40	646.04	715.65	726.90	650.03	756.71	658.71	600.31	7888.85	\$ 812,551.55	TONS	TOT COST				

**Roll off Truck 24**  
186.39 tons  
\$ 19,198.17

**JANUARY**

1/2	1/3	1/4	1/5	1/8	1/9	1/10	1/11	1/12	1/16	1/18	1/19	1/20	1/22	1/23	1/24	1/25	1/26	1/29	1/30	1/31	
7.36	4.72	0.13	3.9	0.62	6.07	0.20	0.40	0.12	0.17	7.97	6.18	6.00	0.18	6.76	2.34	0.35	0.08	6.74	0.16	0.07	
8.64	6.47	0.19	3.92	0.48	5.20	5.19	9.66	5.76	3.44	6.79	10.66	9.21	6.89	2.98	3.14	4.12	4.70	6.04	7.57	7.28	
4.89	9.48	6.32	7.79	0.62	3.24	7.26	4.42	0.12	9.49	8.00	9.15	3.86	0.07	1.71	0.13	1.23		9.61	8.47	8.73	
3.94	1.75	8.49	7.75	5.26	3.57	3.00	5.94		3.36	2.00	3.80	9.71	1.42	6.50	4.45	1.23		1.28	6.79	6.09	
7.34	1.51	8.82	5.11	9.90	9.23	6.26	9.28		9.68	8.25	9.50		5.08	4.21	6.16	1.16		0.33	0.82	8.17	
6.53	9.26	0.61	0.39	3.14	7.45	8.26			8.00	2.93			4.01	1.33	5.96	3.20		10.60	6.98		
0.68		9.11		2.15					2.09	1.61			10.12	6.57	7.61	5.72					
				6.65									3.02		1.99	6.57					
																8.71					
<b>39.38</b>	<b>33.19</b>	<b>33.67</b>	<b>28.86</b>	<b>28.82</b>	<b>34.76</b>	<b>30.17</b>	<b>29.70</b>	<b>6.00</b>	<b>36.23</b>	<b>37.55</b>	<b>39.29</b>	<b>28.78</b>	<b>30.79</b>	<b>30.06</b>	<b>31.78</b>	<b>32.29</b>	<b>4.78</b>	<b>34.60</b>	<b>30.79</b>	<b>30.34</b>	<b>631.83</b>

\$ 65,078.49

**FEBRUARY**

2/1	2/5	2/6	2/7	2/8	2/9	2/12	2/13	2/14	2/15	2/16	2/20	2/21	2/22	2/23	2/26	2/27	2/28			
0.09	6.96	3.77	5.59	8.03	0.50	6.60	5.09	2.19	5.94	5.17	8.42	5.09	6.99	4.63	0.58	5.89	5.39	5.83		
2.81	1.26	8.21	5.66	5.02	5.29	6.17	6.50	6.09	9.75	0.15	1.80	10.40	10.04		4.69	8.34	7.69	0.11		
<b>0.87</b>	<b>10.89</b>	<b>4.31</b>	<b>6.82</b>	<b>3.15</b>	<b>0.31</b>	<b>2.03</b>	<b>1.87</b>	<b>8.16</b>	<b>4.41</b>		<b>7.34</b>	<b>8.01</b>	<b>8.49</b>		<b>10.78</b>	<b>5.66</b>	<b>5.91</b>	<b>9.26</b>		
7.85	5.26	<b>7.1</b>	10.62	6.12		8.94	8.33	6.47	9.74		10.99	4.64	10.86		3.41	2.30	2.24	0.60		
3.4	9.88	6.09				9.81	1.39	8.23	<b>1.68</b>		11.86	8.96	3.81		7.44	9.82	6.30	5.57		
6.27						0.14	6.38	0.23	<b>1.68</b>		0.22		0.65		10.89	0.26		7.51		
4.68											0.12		0.35							
0.49											0.10		<b>1.50</b>							
8.9											0.25									
<b>35.36</b>	<b>34.25</b>	<b>29.48</b>	<b>28.69</b>	<b>22.32</b>	<b>6.10</b>	<b>33.69</b>	<b>29.56</b>	<b>31.37</b>	<b>33.20</b>	<b>5.32</b>	<b>40.85</b>	<b>37.10</b>	<b>42.94</b>	<b>4.63</b>	<b>37.79</b>	<b>32.27</b>	<b>27.53</b>	<b>28.88</b>	<b>541.33</b>	

2 tires: \$ 10.00  
2 freon unit: \$ 40.00  
subtotal: \$ 55,756.99

\$ 55,806.99

**MARCH**

3/1	3/5	3/6	3/7	3/9	3/12	3/13	3/14	3/15	3/16	3/19	3/20	3/21	3/22	3/23	3/26	3/27	3/28	3/29		
0.44	1.28	4.09	5.56	0.20	0.28	4.89	<b>2.09</b>	7.96	5.70	0.54	0.55	0.51	4.37	0.33	0.15	4.07	0.37	8.68		
8.02	0.54	<b>10.17</b>	<b>12.49</b>	<b>4.84</b>	<b>6.78</b>	<b>5.84</b>	<b>5.62</b>	<b>3.44</b>		0.12	9.96	0.19	9.24	<b>4.68</b>	<b>4.52</b>	<b>8.31</b>	<b>4.65</b>	<b>6.17</b>		
3.72	0.11	0.16	5.29	11.59	0.14	7.67	<b>5.70</b>	8.85		0.18	0.14	6.86	6.26		0.35	6.62	5.56	3.59		
6.41	5.76	6.82	9.48	9.15	1.66	1.84	9.00	5.19		5.74	4.29	6.34	9.50		8.92	3.85	8.21	3.64		
8.31	4.23	8.35		7.46	8.79	7.18	3.19			<b>2.30</b>	5.49	8.94			5.95	7.54	3.38	9.47		
5.68	6.88	4.16		2.05	5.99	1.26	6.38			<b>4.68</b>	0.13	2.27			10.24		8.62			
11.31					9.67		8.85			2.67	0.21	9.79			4.73					
11.01										6.73	1.53	4.18								
										10.93	5.03									
										0.09	9.98									
<b>32.58</b>	<b>41.12</b>	<b>33.75</b>	<b>32.82</b>	<b>35.29</b>	<b>33.31</b>	<b>28.68</b>	<b>40.83</b>	<b>25.44</b>	<b>5.70</b>	<b>33.98</b>	<b>37.31</b>	<b>39.08</b>	<b>29.37</b>	<b>5.01</b>	<b>34.86</b>	<b>30.39</b>	<b>30.79</b>	<b>31.55</b>	<b>581.86</b>	

2 tires: \$ 10.00  
6 mattresses: \$ 42.00  
1 freon unit: \$ 20.00  
subtotal: \$ 59,931.58

\$ 60,003.58

APRIL																					
4/2	4/3	4/4	4/5	4/6	4/9	4/10	4/11	4/12	4/13	4/16	4/17	4/18	4/19	4/20	4/23	4/24	4/25	4/26	4/27	4/30	
0.36	3.81	1.49	0.34	0.15	0.26	0.12	8.41	6.92	0.09	0.34	7.20	5.38	0.37	4.83	0.35	2.43	0.59	6.73	0.19	0.16	
6.13	11.78	0.16	9.57	5.27	5.34	0.31	8.68	8.76	6.17	6.25	5.98	6.32	0.10		2.22	4.81	0.09	9.02	5.29	5.92	
2.99	6.88	4.5	7.16		0.12	3.64	8.84	3.67		2.55	9.54	8.99	10.24		6.25	4.53	10.01	4.82		1.82	
6.86	4.77	5.93	4.74		9.68	0.13	6.81	9.81		2.55	2.62	4.48	4.29		0.34	8.80	6.31	10.70		4.73	
12.68	8.7	2.48	10.63		3.82	7.77				3.60	6.65	9.34	10.09		2.65	7.14	9.13		3.83		
		7.38	5.38		12.20	8.65				3.76	8.16	6.99		2.99	9.49	9.86			12.10		
		12.94			5.88	4.99				3.33				11.90	1.18						
		3.1			6.46					10.88				7.85							
		9.65								12.39				10.27							
29.02	35.94	47.63	37.82	5.42	37.30	32.07	32.74	29.16	6.26	45.65	40.15	34.51	32.08	4.83	44.82	38.38	35.99	31.27	5.48	28.56	635.08

\$ 65,413.24

MAY																						
5/1	5/2	5/3	5/4	5/7	5/8	5/9	5/10	5/11	5/14	5/15	5/16	5/17	5/18	5/21	5/22	5/23	5/24	5/25	5/29	5/30	5/31	
7.1	1.94	0.2	0.19	0.39	3.79	5.74	0.12	0.08	0.22	4.16	8.24	0.42	0.46	6.96	0.27	8.68	0.25	0.27	0.14	8.43	11.62	
0.27	1.94	11.71	0.11	1.20	6.64	7.57	0.27	6.04	0.38	9.41	1.84	0.25	0.17	4.49	7.45	12.20	0.36	5.97	0.28	1.88	1.35	
3.89	2.69	5.16	7.07	0.25	8.65	10.78	11.00	0.81	6.25	12.26	6.09	5.11	5.05	0.24	6.30	8.49	9.94	1.21	0.39	4.13	0.79	
9.19	0.9	9.11		6.44	9.93	9.69	6.36	0.81	3.52	8.31	0.68	0.27	12.46	0.07	6.51	9.64		7.36	12.47	2.36		
5.24	5.98	8.23		0.28	4.48	3.85	4.54	3.28	12.03	4.99	0.68	0.21	10.31	1.56		6.68		0.24	5.63	6.68		
7.9	1.99			12.13			10.48		0.40	2.00	1.30	7.15		3.14	10.45		5.83		4.32	7.38	8.02	
12.17	6.61			6.37					0.52	3.19	10.59	4.62		3.26	9.96				8.56	8.22	1.95	
	11.33			11.85						4.38	7.20								13.75	0.22	6.45	
	4.84			3.12						8.34	11.21								0.32	3.44		
	10									7.04									8.44			
																			4.99			
45.76	48.22	34.41	7.37	42.03	33.49	37.63	32.77	11.02	23.32	44.32	49.18	36.44	5.68	40.86	36.06	35.88	32.70	7.45	35.36	48.36	56.09	744.40

3 mattresses: \$ 21.00  
1 tires: \$ 5.00  
subtotal: \$ 76,673.20

\$ 76,699.20

JUNE																						
6/1	6/4	6/5	6/6	6/7	6/8	6/11	6/12	6/13	6/14	6/15	6/18	6/19	6/20	6/21	6/22	6/25	6/26	6/27	6/28	6/29		
0.21	0.52	4.69	8.32	0.24	0.17	0.21	0.58	1.15	4.56	0.18	0.11	5.66	6.30	6.12	2.05	0.71	3.64	5.26	12.77	0.21		
0.18	6.6	5.83	8.92	6.38	6.01	0.22	5.92	2.57	11.45	0.17	6.29	6.18	0.29	1.07	5.26	0.71	5.76	10.90	0.27	5.52		
11.83	0.33	9	5.99	0.84		11.28	8.92	7.19	9.86	5.90	10.28	9.09	0.15	9.86		0.23	10.92	8.06	7.00			
7.57	10.91	2.5	8.08	0.17		7.49	6.20	3.97	7.85	0.07	0.34	7.88	4.52	9.88		5.96	7.01	3.66	5.93			
8.48	4.24	1.83		11.35		3.82	10.88	3.80			9.70	2.75	3.00	4.32		0.35	3.04	10.86				
8.36	9.44	7.35		5.15		6.49		9.99			1.40		9.20	0.11		0.22	9.10	0.21				
3.02	0.11			8.94		12.72		6.77			5.24		10.06			2.39	0.27					
4.1	6.16					0.35		3.67			2.43		0.37			2.39						
						0.30										2.63						
						10.95										6.63						
																11.07						
																0.21						
																12.94						
43.75	38.31	31.20	31.31	33.07	6.18	42.58	32.50	50.36	33.72	6.32	35.79	31.56	33.89	31.36	7.31	46.44	39.74	38.95	25.97	5.73	646.04	

10 mattresses: \$ 70.00  
1 freon unit: \$ 20.00  
subtotal: \$ 66,542.12

\$ 66,632.12

JULY																					
7/2	7/3	7/5	7/6	7/9	7/10	7/11	7/12	7/13	7/16	7/17	7/18	7/19	7/20	7/23	7/24	7/25	7/26	7/27	7/30	7/31	
5.84	5.6	0.21	7.05	0.11	2.00	6.26	2.13	0.38	7.76	0.70	0.43	10.16	6.14	4.87	3.76	5.48	4.65	6.45	8.38	7.18	
0.22	0.27	5.71	11.10	0.30	6.95	0.20	2.13	0.18	10.46	2.09	10.43	5.37	0.28	8.30	6.66	9.91	10.43	0.24	10.92	10.27	
5.98	2.2	0.24	12.22	6.82	0.24	6.84	1.60	0.21	10.74	0.06	6.65	6.12		2.37	2.35	6.61	10.79		12.54	6.95	
0.45	8.81	1.44	0.25	0.24	11.36	10.41	1.60	6.43	6.78	6.52	9.54	9.74		0.97	10.55	10.84	7.75		1.49	1.95	
0.17	6.86	10.39	8.06	7.72	6.48	10.58	0.31	0.10	2.79	0.21	9.63	0.20		0.97	3.08	6.03	0.21		3.03	8.83	
7.49	8.87	6.74		3.80	9.16	2.84	9.53		0.42	9.96	0.05			6.78	8.92	0.13			6.25	0.25	
10.21		4.20		9.00	1.73		4.79		0.29	6.68				11.68	0.31				0.33		
12.47	10.19			11.83			5.98		0.24	2.12				3.16					0.23		
4.36		0.19					9.84			8.86				12.28					0.15		
														0.28							
														0.80							
47.19	32.61	39.31	38.68	39.82	37.92	37.13	37.91	7.30	39.48	37.20	36.73	31.59	6.42	52.61	35.63	39.00	33.83	6.69	43.17	35.43	715.65
																				\$73,711.95	

AUGUST																						
8/1	8/2	8/6	8/7	8/8	8/9	8/10	8/13	8/14	8/15	8/16	8/17	8/20	8/21	8/22	8/23	8/24	8/27	8/28	8/29	8/30	8/31	
5.44	10.3	0.31	6.38	10.02	0.23	0.07	0.31	6.06	5.33	10.06	0.33	0.30	0.84	3.48	11.00	2.36	3.17	5.66	6.80	10.38	5.12	
7.17	4.69	0.2	3.34	0.31	11.40	0.27	0.28	10.03	4.55	4.51	4.33	8.78	0.56	5.14	4.36	5.55	7.55	1.96	8.72	6.55	0.10	
0.26	9.4	0.47	10.88	10.4	11.48	5.50	7.20	2.71	1.00	10.36	0.40	0.22	4.87	1.13	7.26	0.22	11.24	9.61	3.31	4.26		
0.35	7.42	7.76	7.28	8.29	5.80		0.15	7.19	10.73	7.12		12.20	0.11	9.94	11.06	0.18	3.94	8.48	5.91	10.05		
10.35	5.08	0.29	8.95	6.07	8.31		11.25	8.85	2.38	0.14		8.23	6.51	7.76	0.33		11.55	6.57	10.04	0.30		
4.17	0.22	13.17		4.26	5.50		6.84		4.04			3.58	11.27	4.43			3.23	3.80				
10.79	0.08	11.85					11.91		9.84			11.64	1.92	10.67			0.35	0.17				
3.53		7.43					3.96		7.90			9.25	0.19				0.37					
		4.79							0.14			2.21										
42.06	37.19	46.27	36.83	39.35	42.72	5.84	41.90	34.84	45.91	32.19	5.06	44.95	37.54	42.74	34.01	8.31	41.40	36.25	34.78	31.54	5.22	726.90

SEPTEMBER																				
9/4	9/5	9/6	9/7	9/10	9/11	9/12	9/13	9/14	9/17	9/18	9/19	9/20	9/21	9/24	9/25	9/26	9/27	9/28		
5.07	4.42	6.51	1.26	6.62	1.93	6.39	0.32	0.13	0.25	4.85	7.43	0.19	0.18	0.30	5.27	2.22	10.59	6.23		
8.38	7.48	6.83	3.55	6.29	4.60	5.14	6.84	6.58	0.31	4.47	7.11	8.25	5.04	6.64	5.84	2.80	7.40	0.38		
8.3	1.7	4.95	6.62	5.14	1.84	7.60	7.14		4.78	3.16	2.16	11.26		5.94	3.82	5.99	11.04	0.13		
13.92	7.89	6.5	5.68	3.89	7.30	2.11	8.80		7.52	6.29	3.02	5.21		4.94	10.96	6.97	4.93	0.66		
3.55	4.26	8.84	11.78	10.04	5.58	2.03	4.12		9.60	4.58	11.47	11.74		12.01	1.70	9.41		0.12		
3.8	12.64	12.25	13.16	3.76	3.08	9.60	6.43		8.10	11.65	10.78			2.07	9.85	10.01				
		3.52	2.1	0.43	0.28				14.05	6.04				9.47	0.25	2.50				
									0.52	4.92				0.13		3.18				
										1.93					0.17					
										0.28										
43.02	38.39	49.40	44.15	36.17	24.61	32.87	33.65	6.71	45.13	48.17	41.97	36.65	5.22	41.50	37.69	43.25	33.96	7.52	650.03	

1 freon unit: \$ 20.00  
 subtotal: \$ 74,870.70  
**\$ 74,890.70**

2 freon unit: \$ 40.00  
 4 mattresses: \$ 28.00  
 subtotal: \$ 66,953.09  
**\$ 67,021.09**

### OCTOBER

10/1	10/2	10/3	10/4	10/5	10/9	10/10	10/11	10/12	10/15	10/16	10/17	10/18	10/19	10/22	10/23	10/24	10/25	10/26	10/29	10/30	10/31	
0.45	5.26	6.76	3.1	0.54	0.31	5.7	0.19	0.18	0.21	4.78	6.37	9.47	0.13	0.21	4.94	2	9.72	0.15	0.13	5.22	2.29	
5.25	5.18	7.37	5.78	6.54	0.27	5.76	6.88	8.4	5.91	5.26	5.59	6.18	0.24	5.82	5.34	4.04	6.3	5.63	6.59	0.21	2.45	
5.74	0.23	5.59	5.52	0.56	6.78	5.48	6.51	11.16	5.14	0.19	8.49	9.14	6.71	0.18	3.49	0.11	5.06		5.61	5.65	5.68	
5.65	5.64	4.95	4.92		0.19	9.88	0.19	4.67	3.96	7.99	1.61	4.23		5.46	10.37	5.89	10.29		0.44	11.07	5.25	
2.26	4.83	2.22	7.4		4.02	10.89	3.15	4.46	9.81	3.22	1.84			4.38	1.72	3.93			11.03	4.08	9.85	
6.26	2.15	1.62	11.01		13.09	2.28	12.11	12.37	10.52	1.67	9.49			7.17	8.52	6.41			4.71	8.46	2.88	
4.46	4.63	10.27			4.1		9.84	2.6	1.86	9.44				10.17		8.85			1.97	1.7	10.12	
12.35	9.33	0.52			11.3		2.81			0.74				2.16		2.99			11.25	0.62		
0.4	0.59				3.38									3.93		1.84						
					0.17											9.14						
					3.57																	
					1.38																	
					3.65																	
42.82	37.84	39.30	37.73	7.64	52.21	39.99	41.68	43.84	37.41	33.29	33.39	29.02	7.08	39.48	34.38	45.20	31.37	5.78	41.73	37.01	38.52	756.71

\$ 77,941.13

### NOVEMBER

11/1	11/2	11/5	11/6	11/7	11/8	11/9	11/13	11/14	11/15	11/16	11/19	11/20	11/21	11/23	11/26	11/27	11/28	11/29	11/30		
0.24	5.03	0.36	6.47	0.35	9.95	0.15	7.00	4.39	0.30	5.77	0.39	4.42	7.69	3.31	0.31	4.94	0.60	5.04	2.10		
4.42		7.39	8.34	6.15	9.97	0.10	6.16	5.92	6.65	11.48	5.28	0.18	6.87	4.80	8.40	5.26	7.26	12.60	6.12		
9.9		5.65	5.18	4.41	6.56	6.08	0.40	12.60	7.43	5.40	4.80	8.64	9.51	9.37	6.14	4.43	6.91	7.79	0.34		
0.59		3.19	1.11	9.06	4.52	1.84	12.60	1.82	11.04	11.41	9.21	5.76	5.02	5.20	1.69	12.51	11.83	9.44			
10.36		4.09	1.58	4.57		2.82	12.95	6.42	1.87		3.39	3.30		9.68	2.34	10.11	12.18	2.96			
6.59		2.04	9.65	1.52		1.86	6.73	10.25	11.33		1.17	7.02		0.85	12.74		3.59				
		12.02	9.26	9.58			1.73		1.93		9.57			2.56	12.60		1.73				
		0.53												1.70							
32.10	5.03	35.27	41.59	35.64	31.00	12.85	47.57	41.40	40.55	34.06	33.81	29.32	29.09	37.47	44.22	37.25	44.10	37.83	8.56	658.71	

1 freon unit: \$ 20.00  
 3 tires: \$ 15.00  
 A/C: \$ 20.00  
 subtotal: \$ 67,847.13  
 \$ 67,902.13

### DECEMBER

12/3	12/4	12/5	12/6	12/7	12/10	12/11	12/12	12/13	12/14	12/17	12/18	12/19	12/20	12/21	12/24	12/26	12/27	12/28	12/31		
5.37	0.17	6.23	0.15	1.63	0.15	4.44	5.03	10.65	0.19	5.18	4.25	4.93	5.76	0.21	7.42	0.29	0.05	5.43	5.73		
5.29	4.85	6.03	9.93	0.07	5.31	5.43	3.49	6.38	4.55	4.44	5.22	6.63	3.92	4.74	5.69	0.22	6.19	4.89	5.86		
4.96	5.27	8.76	6.57	4.46	7.27	0.18	4.82	7.25		9.21	8.74	7.47	9.01		9.90	8.53	6.08	11.53	12.06		
6.76	13.76	1.59	4.26	1.45	10.94	1.12	7.53	4.76		3.44	1.36	2.38	9.13		10.61	7.23	10.93	6.87	0.75		
1.71	5.26	2.76	9.47	1.45	1.56	6.41	0.66			9.68	6.68	8.06			4.98	1.62	12.06	3.51			
12.19	1.72	9.48		5.31	7.45	4.15	2.22			1.30		0.27			8.97	11.37		11.48			
	8.64				2.47	4.12	9.35									3.21		1.86			
					0.47	8.58															
					0.50																
36.28	39.67	34.85	30.38	14.37	35.62	34.93	33.10	29.04	4.74	33.25	26.25	29.74	27.82	4.95	33.62	30.22	39.45	40.78	41.25	600.31	

\$ 61,831.93

GRAND TOTAL: \$ 812,932.55

# **SINGLE STREAM RECYCLING TONNAGE 2018**

## **YEARLY TOTALS**

**Roll off Truck 24**  
**16.8 tons**  
**\$698.85**

JANUARY																	
	1/2	1/3	1/4	1/8	1/9	1/10	1/11	1/12	1/18	1/22	1/23	1/24	1/25	1/26	1/30	1/31	
	0.38	3.6	1.14	5.62	4.22	4.73	5.9	5.46	3.54	6.89	6.68	6.27	6.52	5.58	3.62	0.73	
	0.16			4.28	6.45	5.7	1.22		1.94	4.04	6.67	4.98	3.15				
				5.62	6.66	5.78	3.62			6.04	6.37	6.71					
					1.79												
TOTALS	0.54	3.6	1.14	15.52	17.33	18	10.74	5.46	5.48	16.97	19.72	17.96	9.67	5.58	3.62	0.73	152.06

\*cardboard - no charge

\$ 3,041.20

\$ 2,949.80

\$ 2,603.00

## MAY

	5/1	5/2	5/3	5/4	5/9	5/14	5/15	5/16	5/17	5/18	5/21	5/22	5/23	5/29	5/30	5/31		
	4.73	4.81	1.93	1.07	4.97	5.58	4.84	6.35	6.52	2.24	0.86	3.78	0.61	3.36	5.72	7		
TOTALS	5.39	1.87	6.92	2.79		3.59	6.29	.99*	3.83	1.44	1.51			5.46	4.41	.79*		
		4.58	5.68	3.99		4.67		1.42	6.48							5.12		
		0.68	3.64	0.43					4.25							5.65		
																4.53		
TOTALS		10.12	11.94	18.17	8.28	4.97	13.84	11.13	7.77	21.08	3.68	2.37	3.78	0.61	8.82	10.13	22.3	158.99

\$ 418.18 contaminated recycling  
\$ 3,179.80  
\$ 3,597.98

## JUNE

	6/1	6/4	6/5	6/7	6/11	6/12	6/13	6/14	6/15	6/19	6/20	6/25	6/26	6/27	6/28	6/29	
	3.56	5.19	2.68	1.65	5.43	4.14	69*	4.95	4.01	3.92	0.99	.97*	1.42*	1.2*	4.23	0.43	
TOTALS	1.81		5.85		3.03	6.55	3.1		4.39			5.16	1.14*	4.52	0.88		
	4.51				5.07	5.22	6.3		0.49			3.25	5.58	4.92	5.44		
						2.08	4.7					5.12	5.93	3.66			
							0.72					3.87		2.16			
TOTALS	9.88	5.19	8.53	1.65	13.53	17.99	14.82	4.95	8.89	3.92	0.99	13.53	15.38	9.44	16.37	0.43	145.49

\$ 95.79 contaminated recycling  
\$ 2,909.80  
\$ 3,005.59

**As of July 2018 - UCRRA charging \$76.74 per ton for recycling**

## JULY

	7/2	7/3	7/5	7/9	7/10	7/11	7/12	7/13	7/18	7/23	7/24	7/25	7/26	7/27	7/31	
	0.6	3.76	0.52	3.85	4.71	5.75	2.76	2.89	2.49	1.23*	6.02	5.75	5.62	2.16	3.59	
TOTALS			5.38	1.87*		2.29	3.31			5.54	5.71	7.03	7.79	0.79		
			4.48	6.02		2.54	2.56*			5.33			5.17			
				3.89		1.85	1.72			3.35						
						4.79	4.74									
						.68*										
TOTALS	0.6	3.76	0.52	13.71	14.62	5.75	14.23	12.66	2.49	14.22	11.73	12.78	18.58	2.95	3.59	132.19

\$ 118.45 contaminated recycling  
\$ 10,144.26  
\$ 10,262.71

## AUGUST

	8/1	8/6	8/7	8/8	8/9	8/14	8/15	8/20	8/21	8/22	8/23	8/24	8/28	8/29	
	0.89	3.55	4.7	4.7	5.36	4.77	0.82	5.65	3.35	4.04	5.93	1.75	3.55	0.62	
TOTALS		5.61	6.51	5.06	2.63		.76*	4.98	4.7	5.57	2.93				
		5.4	5.36	1.07	3.36			4.24	5.06	.68*	3.66				
				0.99	2.95				2.09	4.73					
				3.85											
TOTALS	0.89	14.56	16.57	15.67	14.3	4.77	0.82	14.87	13.11	11.7	17.25	1.75	3.55	0.62	130.43

\$ 178.19 contaminated recycling  
\$ 10,009.20  
\$ 10,187.39

**As of September 2018 - UCRRA charging \$75.72 per ton for recycling**

SEPTEMBER													
9/4	9/5	9/6	9/10	9/11	9/12	9/17	9/18	9/19	9/20	9/21	9/25	9/26	
5.49	3.76	5	3.89	3.8	0.74	4.69	1.49	4.56	2.2	1.21	4.59	1.54*	
4.84	6.78	5.09				4.73	6.72	4.46	5			0.9	
4.08	5.9	5.83				3.73	5.94	4.8	4.58				
	2.68						7					12.65	
TOTALS	14.41	19.12	15.92	3.89	3.8	0.74	13.15	21.15	13.82	11.78	1.21	4.59	13.55
													137.13

\$ 153.47 contaminated recycling  
\$ 10,383.48  
\$ 10,536.95

**As of October 2018 - UCRRA charging \$83.15 per ton for recycling**

OCTOBER															
10/1	10/2	10/3	10/4	10/5	10/10	10/15	10/16	10/17	10/18	10/23	10/24	10/29	10/30	10/31	
3.61	5.34	4.64	5.26	1.36	2.51	5.6	5.23	4.47	2.85	4.17	.37*	6.39	5.31	6.02	
5.14	5.93	5.33	3.41			6.7	6.62	1.03	2.44			4.46	6.57	4.27	
5.78	6.28	4.69	4.03			3.73	5.65	5.33	4.71			4.35	5.56	1.66	
						1.26		4.42	2.3				1.12	0.66	
TOTALS	14.53	17.55	14.66	12.7	1.36	2.51	17.29	17.5	15.25	12.3	4.17	0	15.2	18.56	12.61
															176.19

\$ 478.20 compost  
\$ 423.33  
\$ 14,650.20  
\$ 15,551.73

**As of November 2018 - UCRRA charging \$77.16 per ton for recycling**

NOVEMBER															
11/1	11/6	11/7	11/13	11/14	11/15	11/16	11/19	11/20	11/21	11/26	11/27	11/28	11/29	11/30	
5.91	4.43	0.77	5.94	5.41	5.87	2.09	1.18	3.93	1.92	6.51	6.13	5.96	6.3	.63*	
4.11			5.61	7.28	4.98	2.77			1.04	5.31	6.95	3.2	5.98		
3.54			4.37	1.7	3.54	7.64				3.86	6.25	4.37	3.94		
					6.49										
TOTALS	13.56	4.43	0.77	15.92	14.39	20.88	12.5	1.18	3.93	2.96	15.68	19.33	13.53	16.22	0
															155.28

\$ 11,981.40

As of December 2018 - UCRRA charging \$77.43 per ton for recycling

DECEMBER																
12/3	12/4	12/5	12/7	12/10	12/11	12/12	12/13	12/14	12/17	12/18	12/19	12/24	12/26	12/27	12/28	
0.96	4.43	0.90	1.73	5.03	4.48	3.2	5.11	0.25	0.19	2.27*	0.6	4.59	4.38	4.27	1.27	
			.38*	3.76	6.19	4.59	5.17					5.38	4.78	5.37	6.46	
				4.24	6.04	6.08	3.19					3.52	5.55	5.55	3.97	
						3.12										
TOTALS	0.96	4.43	0.9	1.73	13.03	16.71	16.99	13.47	0.25	0.19	0	0.6	13.49	14.71	15.19	11.7
																124.35
																\$ 9,628.42
																GRAND TOTAL: \$ 86,324.58