

LOPEZ SOLID WASTE DISPOSAL DISTRICT REGULAR MANAGING BOARD MEETING

MINUTES

WEDNESDAY, October 17, 2018
LOPEZ ISLAND FIRE HALL MEETING ROOM
3:00 PM to 5:00 PM
Approved 11/20/18

Board members present: Clark Johnson, Rhea Miller, Larry Bailey, Judy Meyer
(via Skype)

Board member absent: Clay Smith

Others present: District Manager Paul Andersson, Facilities Manager David Zapalac, Operations Assistant Eric Blazer, SWAP Chair Kim Norton, Guest Linda Noreen, Guest Page Read, San Juan County Officials: Council member Rick Hughes, Solid Waste Coordinator Mark Herrenkohl, Public Works Director Russ Harvey, County Manager Mike Thomas, Public Works Operations Manager Jeff Sharp, Deputy County Engineer Jerry Hayes.

Clark called the meeting to order at 3 PM, noting no changes to agenda.

Clark began a discussion with SJ county officials by noting the significant contributions Public Works (PW) has made to the success of LSWDD. He asked Russ Harvey to provide an overview of future plans for the PW site on Lopez. Russ noted that a year ago PW completed a long-range operations plan that recommended a move to another location on Lopez. A site is yet to be determined, but it is likely something will be done during the 2020 decade. Paul then outlined the growth experienced by LSWDD, which has resulted in significant space constraints and resulting reduction in efficiency of operations and safety concerns (see also Appendix 2). A wide-ranging discussion followed covering operational issues faced by both entities, constraints at the site (e.g., view easement, required 24/7 access to the fuel pump, greenspace buffer, berm screening tipping floor from street), and priorities for the futures of both organizations. The County's current priority is completing the site on San Juan, which is in the design phase. Improving conditions on Lopez would be next. LSWDD priorities are getting TIOLI pedestrian traffic away from the Z-wall, finding space for containers, and improving traffic flow.

Rick Hughes outlined two possible scenarios: (1) a rental agreement for LSWDD to use the site if PW moves, and (2) continuing a relationship that shares the facility on weekends. If PW moves, the County would need to generate income from the property. Both entities agreed to work together to find new ways to coordinate operations on the site. LSWDD can propose potential plans, which would be evaluated by the County to

determine if they are feasible with PW operations. LSWDD and PW expressed a willingness to continue the conversation and facilitate meeting each other's needs.

The guests from the county left at 4:10, and the Board discussed the issues raised in the earlier discussion.

Rhea moved to approve the minutes from the September 19, 2018 regular meeting. The motion was approved unanimously.

Financial Officer's report: See Appendix 1 and 2. Paul noted that there was somewhat of a cash crunch this month because of some large payments. The following voucher/warrants/electronic payments are approved for payment: Claim numbers: 18038 through 18042, totaling \$38,864.07, and September payroll totaling \$13,594.01.

Solid Waste Alternatives Program – The board was sent the solicitation letter. SWAP continues to solicit contributions for the new glass container.

Solid Waste Advisory Committee – Paul is on the subcommittee for the Sutton Road site on San Juan.

Plastics Committee – Paul is working on an article for the paper about the recent board decision to treat mixed 1-7 plastics as garbage. The committee met and is working on scaling up the remake lab. An Orcas resident has purchased a commercial scale shredder and extruder because of his interactions with the remake lab. At this time it is unclear from where he will be getting his plastics.

As the volume of garbage LSWDD receives increases, our revenue increases, but so do our expenses. At a future meeting the board would like to have a clearer picture of the net effect of those changes. In our earlier discussion, Rick Hughes expressed an interest in finding a way to use plastics and indicated the potential for the county to help with this. The Board briefly discussed the possibility of bringing something back to Lopez in our empty trucks that have dumped their load of garbage and recyclables.

Facility Manager's monthly report: See Appendix 3. The board noted the problem of the faulty post in the bailer shed extension.

District Manager's monthly report: See Appendix 2.

Training, Education and Outreach Coordinator's report: See Appendix 4.

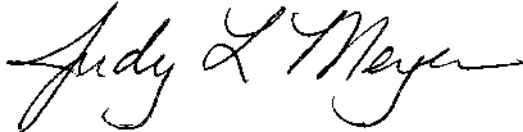
Administrator's report: See Appendix 5.

New business

Schedule special meeting for budget – The Board will have a special meeting on October 24, 2018 from 2 – 3:30 PM to begin preparation of the 2019 budget. There was not time to begin that discussion in this meeting.

The meeting was adjourned at 4:57 pm. The next regular board meeting is November 21, 2018.

Respectfully submitted,

A handwritten signature in black ink that reads "Judy L Meyer". The signature is written in a cursive style with a long, sweeping underline.

Judy Meyer,
Secretary
judym@lopezsolidwaste.org

Appendix 1

LSWDD			
Profit & Loss Budget vs. Actual			
January through September 2018			
	Jan - Sep ...	Budget	% of Bud...
Income			
Tax Levy Revenue (311.10.00.0000)	67,857.45	68,877.00	98.5%
Leasehold Tax Revenue (317.20.00.0000)	285.25		
Timber Harvest Tax Revenue (317.40.00.0000)	14.20	0.00	100.0%
Excise Tax Revenue (318.45.00.0000)	48,110.10	53,164.00	90.5%
Garbage Tip Fee Revenue (343.70.00.0000)	140,124.31	131,814.00	106.3%
Recyclables Sales Revenue (343.70.00.0001)	9,878.54	11,818.00	83.6%
Recyclables Tip Fee Revenue (343.70.00.0002)	7,023.00	6,957.00	100.9%
Investment Interest, LGIP (361.11.00.0000)	2,414.34	747.00	323.2%
Donations (367.00.00.0000)	557.10	0.00	100.0%
Cash Over (Short) (369.81.00.0000)	-7.50	0.00	100.0%
Late and NSF Fees, Penalties (369.90.00.0000)	0.60	0.00	100.0%
Refuse Tax (386.37.00.0000)	5,030.98	4,732.00	106.3%
Total Income	281,288.37	278,109.00	101.1%
Gross Profit	281,288.37	278,109.00	101.1%
Expense			
Wages (537.00.10.0000)	114,122.41	117,616.00	97.0%
Overtime (537.00.10.0001)	0.00	0.00	0.0%
FICA (537.00.20.0001)	8,730.40	8,984.00	97.2%
L&I (537.00.20.0002)	5,125.86	6,589.00	77.8%
Retirement (537.00.20.0003)	11,489.67	12,938.00	88.8%
Medical Benefits (6675.537.00.20.0020)	6,750.00	6,750.00	100.0%
Personnel Benefits (537.00.20.0009)	138.95	176.00	78.9%
Office & Operating Supplies (537.00.31.0000)	2,791.98	2,624.99	106.4%
Fuel (537.00.32.0000)	2,245.12	3,080.00	72.9%
Small Tools & Equipment (537.00.35.0000)	2,656.80	3,749.99	70.8%
Accounting and Professional (537.00.41.0000)	9,310.10	5,600.00	166.3%
Advertising and Public Outreach (537.00.41.0...)	185.55	750.00	24.7%
SJC Admin. and Legacy Fees (537.00.41.0099)	20,006.91	18,936.00	105.7%
Communications (537.00.42.0000)	1,085.99	1,926.00	56.4%
Travel (537.00.43.0000)	325.50	600.00	54.3%
Taxes, Other (537.00.44.0000)	1,805.53	990.00	182.4%
Rentals and Leases (537.00.45.0000)	1,750.00	1,800.00	97.2%
Insurance (537.00.46.0000)	2,655.62	4,263.00	62.3%
Utility Services (537.00.47.0000)	566.96	747.00	75.9%
Garbage Tip Fees Paid (537.00.47.0001)	38,208.30	38,385.00	99.5%
Garbage Transportation Exp. (537.00.47.0002)	8,161.50	7,046.00	115.8%
Recyclables Tip Fees Paid (537.00.47.0003)	1,050.60	868.00	121.0%
Recyclables Transportation Exp. (537.00.47.0...)	6,744.00	6,832.00	98.7%
Reclamation-Disposal Fees Paid (537.00.47.0...)	1,875.83	3,504.00	53.5%
Repairs and Maintenance (537.00.48.0000)	1,403.52	9,000.00	15.6%
Fees & Dues (537.00.49.0001)	1,286.49	250.00	514.6%
Hazardous Waste Exp. Allowance (537.00.49....)	52.00	250.00	20.8%
Permits and Licenses (537.00.51.0000)	2,313.50	1,647.00	140.5%
Refuse Tax Payment (586.00.44.0000)	4,136.99	2,625.00	157.6%
Debt service, Principal (591.37.70.0000)	9,857.74	9,570.00	103.0%
Interest Expense (592.37.80.0000)	295.74	580.00	51.0%
Facility Improvements (594.37.63.0000)	3,510.03	8,253.00	42.5%
Computer and Software Exp. (594.37.64.0000)	570.93	567.00	100.7%
Machinery and Equipment (594.37.64.0001)	0.00	0.00	0.0%
Total Expense	271,210.52	287,496.98	94.3%
Net Income	10,077.85	-9,387.98	-107.3%

Appendix 2

Board Materials – 10/17/18

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Financial Officer's Report

1. **Financial Updates – Monthly and YTD summary:**

We were 10% above budgeted revenues for September. We are at 101% of budgeted revenues for the year to date. September expenditures were 27% below budgeted (disregard this number – large payments scheduled for this month were either already paid or will be paid in another month). Year to date expenditures are 6% below budget.

We are holding \$200,000 in investments.

At the end of September we have \$30,856 in our cash account; \$230,856 total.

(Reference Income Statements and Statement of Cash Flows attached.)

2. **Claims and Payroll**

Claims and Payroll requiring board signature include:

18038 - \$9,870.29

18039 - \$686.34

18040 - \$902.55

18041 – \$24,206.91

18042 - \$3,197.98

September Payroll - \$13,594.01

Manager's Monthly Report

1. Discussions

a. LSWDD and SJC Public Works discussion

The purpose of this discussion is for Lopez Solid Waste Disposal District (LSWDD) and San Juan County Public Works (SJC) to gain a greater understanding of each other's needs and plans for the Public Works facilities on Lopez Island in the next five to ten years.

Since 2013, Lopez Solid Waste Disposal District has greatly benefitted from its partnership with San Juan County. This is a vital relationship with the responsibility of smoothly conveying resources and waste through the community with as little burden to public and environmental health as possible. The operation has been applauded for its cleanliness, effectiveness, affordability, and customer service.

LSWDD's needs have changed with the times, evidenced by a 35% increase in garbage volume over five years. Foot traffic has also skyrocketed with tourism groups and new residents.

Operations like LSWDD benefit from more space to ensure the safety, efficiency and effectiveness of the operation. The LSWDD board and staff are confident that a safe and effective solid waste operation can continue to operate within its current footprint for the next several years. However, LSWDD aims to be prepared to occupy a larger share of space or facilities in the adjacent County Public Works site if any becomes available.

Below are several of the issues and opportunities that LSWDD is working to address:

- Safety – currently experiencing high frequency of foot traffic vs. vehicle traffic; limited space for storage requires more shifting of objects; parking constraints remain an issue.
- Effectiveness – expanded opportunities for recycling of paints, construction materials, hazardous materials; repair shop for appliances, fix-it café; TIOLI expansion and improvement.
- Efficiency – smoother traffic flow and less congestion, weigh scale, more space for more safety.

LSWDD looks forward to working with SJC management and council members to maintain optimal operations into the future.

b. 2019 budget discussion

The 2019 budget discussion will provide an updated projection of ending cash for 2018. The 2019 budget will begin to be established with the goal of having no net loss in 2019, assuming the 2019 tax levy of \$105,000 is approved. Based on 2019 budget discussions to date, the budget is expected to be a "status quo" budget similar to 2018.

Management Committee Report

Committee met on October 5th to discuss upcoming budget and San Juan County Public Works discussions.

Admin Committee Report

COMMITTEE DID NOT MEET

PR Committee Report

COMMITTEE DID NOT MEET

TIOLI Committee Report

Committee met on 10/12. No major changes discussed.

Plastics Solutions Committee Report

The Committee met on October 10th to discuss ReMake Lab next steps. Discussion points are available in TEOC monthly report.

Appendix 3 -- Solid Waste Facility Manager's Monthly Report

Date Issued: October 14, 2018

SAFETY.

New yellow safety straps have been ordered for the Z wall.

GENERAL

OPERATIONS/ONGOING ISSUES:

Volunteers and staff have been parking across from the Zwall in the TIOLI parking area. This has reduced the pedestrian traffic across the driveway and has made the area less congested. Traffic flows continue to be heavy especially on Sundays.

The Fall schedule has been implemented and customers are adjusting to the 3p.m. closing time. Google has been edited to show the new schedule. The Public Works shop has had the back parking lot available on Fridays after 12p.m. for TIOLI parking.

One of the four treated wood posts on the baler shed roof extension has begun to bow and twist. A temporary post and screw jack was installed next to the failing post and a new post purchased to replace the failing one. Three additional posts and mounting plates were purchased and will be installed between existing posts for added support and structure prior to construction of the south wall.

Staff is looking at new options for storing culled textiles from TIOLI. The existing IBC container adjacent to the TIOLI loading zone will not provide adequate protection from the rain this Winter. Goodwill Industries in Mount Vernon, where we ship our culled textiles, has remarked that some of the clothing shipped has had to be discarded due to moisture.

The Recycle Dogs have begun meeting regularly twice a month on Wednesdays

for work sessions. August and September invoices from Skagit River Steel and Recycling showed additional recycling revenues of over \$420 due to their efforts in recycling non ferrous materials alone. The staff is very grateful for their help in keeping the area behind the baler shed organized and workable.

Skagit River Steel and Recycling has sent invoices for August and September. Here are the most recent price updates for recyclables:

Corrugated Cardboard \$36/ton (unchanged)
 Irony Aluminum \$0.09/lb. (unchanged)
 95% Irony Aluminum Sheet \$0.14/lb. (down \$0.03/lb.)
 Aluminum Foil \$0.05/lb. (up from \$0/lb.)
 Aluminum cans \$0.36/lb. (down \$0.02/lb.)
 #2 Copper \$1.78/lb. (down \$0.20/lb.)
 Yellow Brass \$1.40/lb. (down \$0.05/lb.)
 Mixed paper -\$65/ton (unchanged)
 Bulk appliances \$50/ton in August, \$30/ton in Sept. (down from \$80/ton in July)
 Insulated copper wire \$0.61/lb. (no recent shipments for comparison)

CUSTOMER/VOLUNTEER FEEDBACK:

None to report

Appendix 4

September 2018 Board Report -- Training, Education and Outreach Coordinator

Training / Volunteers:

Metrics: 89 % shifts filled.

Training & Recruitment:

- 4 new volunteers recruited and put into one day specials projects: GICU and ReMake Lab
- 3 new volunteers recruited for on site volunteering

Education:

- September's "Evolving Cities" at the Pacific Science Center with the ReMake Lab was a large success. If you did not receive the specific report previously it is attached. Hugely educational not just for the audience who attended and interacted with our booth (several hundred folks).
- Y2Z blog entries continue to be read and help Lopezians educate other Lopezians in reuse, repurposing and recycling.

Events:

- Fall Great Islands Clean Up Event: 50-60 volunteers engaged, 500 lbs of garbage, and 100 lbs of recyclables diverted thanks to the LSWDD diversion team on site.
- Fix it Café now rescheduled for November 12, location TBD. If you are interested or know someone who would be good, We are looking for volunteers to help fix: appliances, electronics, and textiles.

Outreach:

- TEOC was interviewed for an upcoming podcast by Upstream Solutions, a national working group for upstream solutions for plastics as an example of successful community actions in recycling, repurposing and reuse. For more info on this group: <https://upstreamolutions.org/about-2/>
- Update: Lopez Coffee Shop has continued to offer free cups and mugs, and customers are catching on! Now many folks bring their own mugs, and other customers are bringing in both ceramic and reusable plastic to go mugs to add to their “free pile”.
- Y2Z postings continue, three new blog entries have come out this month on both the LSWDD website and FB page. Two were included in the LSWDD newsletter. If you missed them, check them out here: <https://www.lopezsolidwaste.org/>

Ongoing:

- **Lopez Island Tool Lending Library** still on hold, but hopefully will be meeting again in the Fall.
 - **PR Committee** published 2 newspaper articles, Y2Z programming, FB and end of summer newsletter publications.
 - **Plastics Committee:** met and has added a new member, Ben Kaas who is faculty at Western University and the expert on 3D printing, specialty filaments, and has a degree in Polymer Science.
- TIOLI:** Georgeana and Monte Cook are now part of monthly TIOLI meetings as they are doing so much organizationally, and diverting usable items off islands in personal volunteering.

Appendix 5 – Administrator’s Report (see next page)

In Tons	Total Year 2013	YTD Through				September 2018
		2014	2015	2016	2017	
Aluminum Cans	2.7	2.79	2.45	2.92	3.52	5.06
Cardboard	48.0	41.01	47.59	48.95	56.77	63.45
Commingled Recyclables	14.5	12.20	6.93	-	-	-
E-Cycle	5.0	5.16	4.36	5.07	4.11	1.32
Ferrous Metals	30.5	43.42	26.99	42.45	55.06	57.53
Glass	95.8	-	-	-	-	-
Mixed Paper/Newsprint	81.5	86.17	65.33	74.98	65.82	68.33
Non-Ferrous Metals	1.4	0.78	0.96	2.94	3.08	7.87
Other	4.9	7.94	11.14	11.64	13.38	17.49
Plastics	14.0	19.53	15.40	15.95	17.20	7.53
Recycle Subtotal	298.3	219.0	181.2	204.88	218.9	228.6
Garbage	425.0	363.05	350.96	374.73	420.57	444.31
Glass - reclamation project	15.0	72.00	85.50	98.38	96.51	99.45
Garbage/Glass Subtotal	440.0	435.0	436.46	473.10	517.08	543.75
Grand Total Without TIOLI	738.3	654.0	617.61	677.98	736.01	772.33
TIOLI Intake	-	21.04	98.62	110.83	125.98	158.94
TIOLI Discards	-	-	(2.00)	(4.47)	(4.85)	(5.69)
Grand Total With TIOLI	-	675.08	714.23	784.35	857.14	925.58

Full Year Annual Rate	2013 Full Year Rate	2014 Full Year Rate	2015 Full Year Rate	2016 Full Year Rate	2017 Full Year Rate
Recycle/Reuse	40%	37%	39%	40%	41%
Garbage/Glass	60%	63%	61%	60%	59%

Year to Date					
Garbage/Glass	Tons		Recycle/Reuse	Tons	
	2014	435		2014	240
2015	436	2015	278		
2016	473	2016	311		
2017	517	2017	340		
2018	544	2018	382		

Garbage/Glass Rate	%		Rate	%	
	2014	64%		2014	36%
2015	61%	2015	39%		
2016	60%	2016	40%		
2017	60%	2017	40%		
2018	59%	2018	41%		

2018 Monthly in lbs	January	February	March	April	May	June	July	August	September	October	November	December	Total	Tons
Aluminum Cans	959	-	1,986	-	1,726	1,303	1,173	2,054	918	-	-	-	10,119	5.06
Cardboard	13,913	8,488	11,411	6,259	16,427	17,506	19,499	20,809	12,592	-	-	-	126,904	63.45
E-Cycle	-	-	2,643	-	-	-	-	-	-	-	-	-	2,643	1.32
Ferrous Metal	-	11,165	12,860	11,018	35,440	-	22,360	11,140	11,080	-	-	-	115,063	57.53
Mixed Paper	18,700	-	17,056	22,000	18,900	-	21,880	18,660	19,460	-	-	-	136,656	68.33
Non-Ferrous Metal	40	799	682	4,107	35	945	4,585	1,527	3,021	-	-	-	15,741	7.87
Other	2,640	440	4,675	7,970	7,865	250	4,610	3,380	3,150	-	-	-	34,980	17.49
Plastics	2,210	665	2,072	-	2,569	1,527	2,043	1,174	2,792	-	-	-	15,052	7.53
Recycle Subtotal	38,462	21,557	53,385	51,354	82,962	21,531	76,150	58,744	53,013	-	-	-	457,158	228.58
Garbage	86,060	67,200	76,860	68,200	128,940	105,520	127,540	138,850	89,440	-	-	-	888,610	444.31
Glass - reclamation project	21,110	13,940	17,220	16,340	16,610	19,000	36,840	34,310	23,520	-	-	-	198,890	99.45
Garbage/Glass Subtotal	107,170	81,140	94,080	84,540	145,550	124,520	164,380	173,160	112,960	-	-	-	1,087,500	543.75
Grand Total Without TIOLI	145,632	102,697	147,465	135,894	228,512	146,051	240,530	231,904	165,973	-	-	-	1,544,658	772.33
TIOLI Intake	28,629	18,224	29,667	30,295	54,440	42,763	32,102	38,945	42,818	-	-	-	317,882	158.94
TIOLI Discards	(1,195)	(385)	(1,007)	(1,300)	(1,500)	(1,500)	(1,500)	(1,500)	(1,500)	-	-	-	(11,387)	(5.69)
Grand Total with TIOLI	173,066	120,536	176,126	164,889	281,452	187,314	271,132	269,349	207,291	-	-	-	1,851,154	925.58

2017 Monthly in lbs	January	February	March	April	May	June	July	August	September	October	November	December	Total	Tons
Aluminum Cans	940	-	457	924	442	428	1,252	1,705	885	411	927	935	9,306	4.65
Cardboard	15,395	5,636	9,462	11,907	10,084	12,318	17,407	15,887	15,445	5,717	15,372	10,701	145,331	72.67
Commingled Recyclables	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-Cycle	-	-	-	6,412	-	-	1,800	-	-	-	-	2,400	10,612	5.31
Ferrous Metal	12,500	319	11,140	14,700	12,360	12,240	11,880	22,160	12,820	12,980	11,420	10,960	145,479	72.74
Mixed Paper	16,040	-	25,200	16,534	17,960	-	20,020	18,840	17,040	21,880	-	25,460	178,974	89.49
Non-Ferrous Metal	97	371	377	383	-	4,434	92	97	311	481	-	271	6,914	3.46
Other	1,134	4,256	3,390	170	4,145	3,192	5,844	1,488	3,149	8,355	4,986	1,361	41,470	20.74
Plastics	3,678	1,681	1,112	5,629	2,490	5,132	4,391	5,822	4,461	2,649	3,888	1,842	42,775	21.39
Recycle Subtotal	49,784	12,263	51,138	56,659	47,481	37,744	62,686	65,999	54,111	52,473	36,593	53,930	580,861	290.43
Garbage	74,700	70,750	84,740	74,880	85,560	87,120	139,880	112,960	110,540	67,420	88,100	70,980	1,067,630	533.8

Glass - reclamation project	27,680	14,080	16,270	15,680	17,750	18,240	44,960	20,100	18,260	22,280	19,490	19,580	254,370	127.2
Garbage/Glass Subtotal	102,380	84,830	101,010	90,560	103,310	105,360	184,840	133,060	128,800	89,700	107,590	90,560	1,322,000	661.00
Grand Total Without TIOLI	152,164	97,093	152,148	147,219	150,791	143,104	247,526	199,059	182,911	142,173	144,183	144,490	1,902,861	951.43
TIOLI Intake	22,376	16,567	19,478	29,659	24,746	36,099	31,429	32,681	38,925	24,908	19,061	37,632	333,560	166.78
TIOLI Discards	(483)	(605)	(915)	(795)	(2,010)	(1,335)	(1,471)	(456)	(1,620)	(390)	(675)	(1,095)	(11,850)	(5.93)
Grand Total with TIOLI	174,057	113,055	170,711	176,083	173,527	177,868	277,484	231,284	220,216	166,691	162,569	181,027	2,224,571	1,112.29

2016 Monthly in lbs	January	February	March	April	May	June	July	August	September	October	November	December	Total	Tons
Aluminum Cans	480	460	541	-	906	425	877	802	1,339	459	980	496	7,765	3.88
Cardboard	11,437	8,553	3,932	5,206	15,522	10,319	15,378	11,102	16,445	9,137	13,692	7,202	127,944	63.97
Commingled Recyclables	-	-	-	-	-	-	-	-	-	-	8,560	-	8,560	4.28
E-Cycle	-	-	-	4,936	-	-	5,200	-	-	-	5,200	-	15,336	7.67
Ferrous Metal	-	-	23,700	-	13,640	10,600	11,200	11,170	14,580	23,600	13,580	-	122,070	61.04
Mixed Paper	-	24,320	23,240	-	22,180	21,260	19,100	19,360	20,500	-	27,260	19,640	196,860	98.43
Non-Ferrous Metal	508	-	-	4,200	728	-	-	441	-	483	485	67	6,912	3.46
Other	4,300	2,202	150	322	4,485	2,855	1,825	240	6,891	152	2,265	2,685	28,372	14.19
Plastics	2,783	2,394	1,955	2,037	6,455	1,930	4,250	4,777	5,318	2,168	4,308	3,642	42,017	21.01
Recycle Subtotal	19,318	37,929	53,537	16,701	63,916	47,389	57,830	47,892	63,173	35,999	76,330	33,732	555,836	277.92
Garbage	53,480	57,160	79,000	69,380	93,960	102,340	99,140	89,500	105,490	117,240	54,000	74,860	995,531	497.8
Glass - reclamation project	14,790	15,000	-	30,990	17,130	19,310	47,350	33,010	19,170	10,670	21,340	16,720	245,480	122.7
Garbage/Glass Subtotal	68,270	72,160	79,000	100,370	111,090	121,650	146,490	122,320	124,660	127,910	75,340	91,580	1,241,030	620.33
Grand Total Without TIOLI	87,778	110,089	132,537	117,071	173,106	169,039	204,320	170,402	189,733	163,909	132,670	125,312	1,796,866	898.43
TIOLI Intake	23,016	20,540	19,871	21,514	24,200	20,556	33,061	30,137	28,765	23,938	21,649	9,836	277,083	138.54
TIOLI Discards	(2,000)	(776)	(151)	(965)	(1,154)	(775)	(1,005)	(705)	(1,410)	(2,375)	(645)	(925)	(12,886)	(6.44)
Grand Total with TIOLI	108,794	129,853	152,257	137,620	198,033	188,820	236,376	199,834	217,088	185,472	172,674	134,223	2,061,063	1,030.53

2015 Monthly in lbs	January	February	March	April	May	June	July	August	September	October	November	December	Total	Tons
Aluminum Cans	-	541	-	-	-	1,789	867	1,270	431	326	482	523	6,419	3.21
Cardboard	7,713	9,049	9,769	5,817	6,325	16,033	13,216	13,194	14,054	8,407	9,464	9,831	124,981	62.49
Commingled Recyclables	-	-	8,400	-	-	-	5,460	-	-	-	-	8,400	22,260	11.13
E-Cycle	-	-	-	-	3,522	-	-	5,204	-	-	4,783	-	13,319	6.73
Ferrous Metal	-	8,800	-	-	22,600	-	-	22,584	-	-	24,829	300	79,113	39.56
Mixed Paper	-	21,800	-	23,440	-	22,320	21,280	21,260	20,560	24,220	-	22,688	177,368	88.78
Non-Ferrous Metal	1,291	123	-	-	-	234	-	183	97	73	236	3,000	5,237	2.62
Other	3,037	560	3,895	1,055	2,707	6,364	2,354	1,430	884	2,979	679	1,265	27,209	13.60
Plastics	3,943	2,380	422	-	1,627	9,349	4,153	4,852	4,074	2,684	3,036	3,486	40,006	20.00
TIOLI Intake	10,881	12,093	13,332	22,039	31,568	27,476	30,007	24,977	24,871	21,736	16,542	14,626	231,147	125.07
TIOLI Discards	-	(160)	(775)	(183)	(470)	(1,094)	(533)	(514)	(266)	(930)	(1,579)	(218)	(6,722)	(3.36)
Recycle/Resuse Subtotal	26,865	55,186	35,043	52,168	67,879	82,471	76,804	94,440	64,705	59,495	58,472	63,901	739,727	369.86
Garbage	54,310	56,400	91,020	72,800	66,700	79,300	121,040	88,880	71,460	72,780	78,460	78,480	931,820	465.91
Glass - reclamation project	16,000	-	16,000	16,000	16,000	13,260	47,370	29,010	17,360	12,470	19,330	30,360	233,160	117.91
Garbage/Glass Subtotal	70,310	56,400	107,020	88,800	82,700	94,460	168,610	117,890	88,820	85,231	97,790	109,400	1,167,640	583.82
Grand Total	97,365	111,586	142,063	140,968	131,769	176,931	247,314	212,330	153,525	144,935	156,262	173,320	1,907,367	953.68

2014 Monthly in lbs	January	February	March	April	May	June	July	August	September	October	November	December	Total	Tons
Aluminum Cans	1,017	427	-	443	449	543	870	932	895	431	-	989	6,996	3.50
Cardboard	10,845	3,569	8,939	6,077	8,643	4,884	16,796	9,040	13,232	7,341	6,315	11,032	106,932	53.50
Commingled Recyclables	10,520	-	-	-	-	-	8,980	-	4,900	-	-	-	24,400	12.20
E-Cycle	-	-	-	3,273	-	-	-	-	7,041	-	-	2,320	14,536	7.30
Ferrous Metal	1,360	-	-	35,310	-	-	33,480	-	16,680	-	16,700	-	103,720	32.90
Mixed Paper	26,936	17,944	2,846	47,318	-	21,040	38,620	-	17,640	22,260	21,360	22,480	238,444	119.20
Non-Ferrous Metal	-	-	371	988	-	-	-	-	198	194	365	4,127	6,243	3.10
Other	-	3,431	825	2,125	80	7,268	2,025	40	80	605	2,373	2,735	21,628	10.50
Plastics	4,603	1,277	3,199	4,245	5,462	2,919	8,798	3,030	5,535	2,177	2,445	1,632	45,341	22.60
TIOLI Intake	-	-	-	-	-	-	-	28,922	13,160	13,212	25,331	12,333	94,858	47.40
Recycle/Resuse Subtotal	55,281	26,667	16,532	102,859	14,634	36,654	109,569	41,964	81,280	46,614	73,256	61,814	663,098	331.30
Garbage	78,940	56,420	70,720	61,460	72,040	94,720	99,310	91,680	100,800	76,160	85,700	53,620	941,760	471.00
Glass - reclamation project	16,000	-	16,000	16,000	16,000	16,000	32,000	16,000	16,000	16,000	16,000	16,000	192,000	96.00
Garbage/Glass Subtotal	94,940	56,420	86,720	77,460	88,040	110,720	131,310	107,680	116,800	92,160	101,700	69,620	1,133,760	567.00
Grand Total	131,221	83,087	103,271	180,319	102,674	147,374	241,069	149,644	198,080	138,774	176,956	131,434	1,796,858	898.30

Notes on 2018
 Other is composed of Fluorescent lights, Rechargeable Batteries, Oil Waste, Refrigerators, Textiles, Tires
 Based on total intake % growth TIOLI Intake is an estimation based on a 10% growth rate above 2017.