# LOPEZ SOLID WASTE DISPOSAL DISTRICT REGULAR MANAGING BOARD MEETING 

MINUTES<br>WEDNESDAY, November 15, 2017 LOPEZ ISLAND FIRE HALL MEETING ROOM 3:00 PM to 5:00 PM<br>Approved 12/20/17

Board members present: Clark Johnson, Rhea Miller, Judy Meyer (via Skype) Board member absent: Tytti Langford

Others present: District Manager Paul Andersson, Facilities Manager David Zapalac, Training, Education and Outreach Coordinator Nikyta Palmisani, SWAP Cochair Kim Norton, Linda Noreen

Clark called the meeting to order at 3 PM, noting no changes to agenda.
Rhea moved to approve the minutes from the October 18, 2017 regular meeting with spelling corrections and the October 30, 2017 special meeting. The motion was approved unanimously.

## Board business

Financial Officer's report: See Appendix 1 and 5 (below)
The Board expressed appreciation to staff for their success in running the Dump this year and thanks to the community for its $82 \%$ approval of the 2018 levy request.

The following voucher/warrants/electronic payments are approved for payment: Claim numbers: 17034 through 17036, totaling \$ 7234.32; October payroll totaling \$11,142.95.

Paul was contacted by the Chamber of Commerce because their new website is focused on sustainable tourism, and information from the dump will be useful. We could provide examples of upcycling on the island and local merchants working towards sustainability.

Approval of 2018 budget: The Board has held 2 meetings to go over the details of the budget, which can be found in Appendix 5. The numbers in green have been changed since our last meeting and reflect an additional $\$ 7000$ for the audit, an updated value for the legacy fees, and $\$ 350$ for worker's comp. Rhea moved approval of Resolution 2017-4 (see Appendix 2). The motion passed unanimously. The budget will be presented to the Governing Board at their December 5 meeting on Lopez.

District Manager's report: See Appendix 5 (below).
The Board discussed employee paid time off. After discussion, Rhea moved that paid time off for David, Gary, Paul, Eric and Nikyta would be equal to two weeks of their work time up to 8 hours/month. The motion passed unanimously. There would not be carry over from one year to the next except under extenuating circumstances that would be addressed by the District Manager. This policy will be addressed in the policy handbook, which is under development.

Volunteer recruitment and retention: There will be an article in the Weekly about Volunteer Thank You Week that will mention the buttons. There will also be a $1 / 3$ page ad with all volunteer names. The buttons will be available at the kiosk and in the volunteer area. We are trying to make the community aware of the importance of volunteers and to encourage others to volunteer. Paul will send the volunteer survey after the thank you week but before the volunteer appreciation event.

A plastics solution committee will be formed. Its members will be Page Read, Brad Buchanan, Paul Andersson, Clark Johnson, Judy Meyer, and Tom McDaniel.

LSWDD Website: Paul has been working on a potential new website design that is based on WIX, which is simpler than Wordpress. The Board greeted his example pages with enthusiasm.

Employee Health Insurance: After considerable discussion, the Board agreed with Paul's decision to use Zane as the program administrator at least for the first year. Paul will work with the management committee and provide policy guidelines for next month's meeting. The intent is to begin contributions on January 1, 2018.

The Management, Administration, and Public Relations Committees did not meet this month. The TIOLI Committee is working on a Best Practices document.

Administrator's report: See Appendix 6 (below). We are receiving large quantities of textiles and shoes.

Facility Manager's report: See Appendix 3 (below). Recent windstorms have generated additional cleanup work. David might work as an employee for Swallech on the Baler Roof Extension project. It should take 2 weeks to a month. Skagit River Recycling has agreed that they will accept our baled recyclables at least until January. Shaw Island is talking with LSWDD staff about how to set up a recycling facility. Operations committee met and discussed safety and how to control and manage the construction site. Most of the work will happen while the site is not open. Nikyta and Eric need to be notified when this committee is meeting.

Training, Education and Outreach Coordinator's report: See Appendix 4 (below). Page Read and Brad Buchanan put in many hours creating instructions so the students could assemble the Filastruder and Filawinder. TIOLI will be providing usable tools for the Tinker Lab, and the Board emphasize the importance of clearly marking the tools so they don't disappear.

## Other reports

Solid Waste Alternatives Program They have held 3 workshops, and 20 skirts will be available. The levy campaign cost less than was budgeted. SWAP plans to be at 2 holiday bazaars and send out a letter requesting donations. A "Dogs at the Dump" calendar is available based on Nikyta's photos.

New business: The Board agreed that regular meetings in 2018 will continue to be on the third Wednesday of each month.

Input from the public: Linda asked if there had to be a levy request each year. Paul explained the constitutional requirements that levy requests for Solid Waste Disposal Districts could only be for one year at a time.

The meeting was adjourned at 4:55 pm. The next regular board meeting is December 20, 2017.

Respectfully submitted,


Judy Meyer, Secretary
judym@lopezsolidwaste.org

## APPENDIX 1

| 11/09/17 | LSWDD <br> Profit \& Loss Budget vs. Actual January through October 2017 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Jan - Oct ... | Budget | \% of Bud... |
|  | Income |  |  |  |
|  | Tax Levy Revenue (311.10.00.0000) | 72,777.61 | 72,003.00 | 101.1\% |
|  | Timber Harvest Tax Revenue (317.40.00.0000) | 7.66 |  |  |
|  | Excise Tax Revenue (318.45.00.0000) | 56,013.22 | 48,790.00 | 114.8\% |
|  | Garbage Tip Fee Revenue (343.70.00.0000) | 148,619.87 | 127,137.00 | 116.9\% |
|  | Recyclables Sales Revenue (343.70.00.0001) | 12,373.84 | 10,344.00 | 119.6\% |
|  | Recyclables Tip Fee Revenue (343.70.00.0002) | 7,589.00 | 6,468.00 | 117.3\% |
|  | Investment Interest, LGIP (361.11.00.0000) | 1,432.06 |  |  |
|  | Donations (367.00.00.0000) | 773.41 | 647.00 | 119.5\% |
|  | Cash Over (Short) (369.81.00.0000) | 9.96 |  |  |
|  | Refuse Tax (386.37.00.0000) | 5,337.24 | 4,577.00 | 116.6\% |
|  | Total Income | 304,933.87 | 269,966.00 | 113.0\% |
|  | Expense |  |  |  |
|  | Wages (537.00.10.0000) | 120,006.67 | 126,871.00 | 94.6\% |
|  | Overtime (537.00.10.0001) | 85.35 |  |  |
|  | FICA (537.00.20.0001) | 8,989.84 | 9,703.00 | 92.7\% |
|  | L\&l (537.00.20.0002) Retirement (537.00.20.0003) | 5,540.99 11,606.20 | 7,104.00 | 78.0\% |
|  | Personnel Benefits (537.00.20.0009) | 141.64 | 385.00 | 36.8\% |
|  | Office \& Operating Supplies (537.00.31.0000) | 3,038.43 | 2,920.00 | 104.1\% |
|  | Fuel (537.00.32.0000) | 2,016.48 | 3,448.00 | 58.5\% |
|  | Small Tools \& Equipment ( 537.00 .35 .0000 ) | 2,983.47 | 6,250.00 | 47.7\% |
|  | Accounting and Professional (537.00.41.0000) | 100.00 | 3,200.00 | 3.1\% |
|  | SJC Admin. and Legacy Fees (537.00.41.0099) | 25,027.87 | 23,814.00 | 105.1\% |
|  | Communications (537.00.42.0000) | 1,791.25 | 1,500.00 | 119.4\% |
|  | Taxes, Other ( 537.00 .44 .0000 ) | 2,085.01 | 1,786.00 | 116.7\% |
|  | Rentals and Leases (537.00.45.0000) | 1,925.00 | 2,000.00 | 96.3\% |
|  | Insurance (537.00.46.0000) | 12,440.46 | 14,500.00 | 85.8\% |
|  | Utilitiy Services (537.00.47.0000) | 546.82 | 830.00 | 65.9\% |
|  | Garbage Tip Fees Paid (537.00.47.0001) | 40,704.85 | 35,844.00 | 113.6\% |
|  | Garbage Transportation Exp. (537.00.47.0002) | 8,470.95 | 7,318.00 | 115.8\% |
|  | Recyclables Tip Fees Paid (537.00.47.0003) | 0.00 | 492.00 | 0.0\% |
|  | Recyclables Transportation Exp. (537.00.47.0... | 7,596.45 | 6,581.00 | 115.4\% |
|  | Reclamation-Disposal Fees Paid (537.00.47.0... | 3,457.14 | 3,923.00 | 88.1\% |
|  | Repairs and Maintenance (537.00.48.0000) | 3,767.95 | 12,500.00 | 30.1\% |
|  | Fees \& Dues (537.00.49.0001) | 240.00 | 170.00 | 141.2\% |
|  | Hazardous Waste Exp. Allowance (537.00.49.... | 898.00 | 250.00 | 359.2\% |
|  | Permits and Licenses (537.00.51.0000) | 1,367.00 | 1,830.00 | 74.7\% |
|  | Refuse Tax Payment (586.00.44.0000) | 4,729.73 | 4,088.00 | 115.7\% |
|  | Debt service, Principal (591.37.70.0000) | 9,570.64 | 9,750.00 | 98.2\% |
|  | Interest Expense (592.37.80.0000) | 582.85 | 580.00 | 100.5\% |
|  | Facility Improvements (594.37.63.0000) | 3,803.21 | 28,500.00 | 13.3\% |
|  | Computer and Software Exp. (594.37.64.0000) | 529.60 | 830.00 | 63.8\% |
|  | Total Expense | 284,656.10 | 331,922.00 | 85.8\% |
|  | Net Income | 20,277.77 | -61,956.00 | -32.7\% |

## APPENDIX 2

RESOLUTION \#2017-4

## A RESOLUTION ADOPTING THE 2018 BUDGET

Whereas the Lopez Solid Waste Disposal District Managing Board held a duly-called meeting after proper notice on November 15, 2017 to discuss adoption of its 2018 budget, and

Whereas the Managing Board determined the anticipated cash on hand plus all anticipated revenues and did fix the appropriate amount for each expenditure line item,

Now therefore be it resolved that the Lopez Solid Waste Disposal District Managing Board set the final budgets for the year 2018 as attached hereto and incorporated as if fully set forth.

2018 General Fund Budget \#6671.00 \$ 604,667.00

Adopted this 15th day of November, 2017 at a duly called meeting of the LSWDD Managing Board, with a quorum present of the undersigned directors.

Clark Johnson

Rhea Miller

## APPENDIX 3 Solid Waste Facility Manager's Monthly Report

Date Issued: November 9, 2017

## SAFETY

While transporting the mixed paper container to the mainland, a strong side gust of wind blew the lid up and over breaking the safety line and the cable to the winch. The container lid suffered minor damage to the gutter and the winch and cable had to be replaced. Safety chains at each end of the container have been installed to prevent the problem from happening again and a new winch and cable have been installed.

## GENERAL

## OPERATIONS/ONGOING ISSUES:

The building permit for the Baler Shed Roof Project has been issued and it is expected that Swallech Construction will begin work within a week. David is meeting with Mark Dawson of Swallech on November 10th to go over details of operating on the site during the construction phase.

Lopez Island Freight had to temporarily suspend transportation of bales and materials from LSWDD due to an illness. The temporary loss of their services was a minor inconvenience and bales of recyclables were stored on site until shipments could resume. It is expected that the backlog of bales and freon appliances will be caught up by the middle of next week.

ORRCO, the waste oil hauler, has finally picked up the oil and customers are able to bring oil once again to the facility.

The state Dept. of Ecology storm water inspector has scheduled a visit to the LSWDD facility for November 17th in the morning before we open. He will be visiting the San Juan and Orcas facilities the day before. Mark Herrenkohl will accompany him for the site visits.

Skagit River Steel and Recycling prices for September were:

## Baled Corrugated Cardboard \$28/ton (decrease of \$32 per ton)

Aluminum Cans $\$ 0.41 / \mathrm{lb}$. (up 7 cents)
Mixed paper \$11/ton (down 2 dollars)
Clean Aluminum scrap $\$ 0.36 / \mathrm{lb}$. (first time we have sold this high a grade) \#2 HDPE Cloudy bottles \$0.03/lb. (down 6 cents) All other plastic containers sold $\$ 0.0 / \mathrm{lb}$. (unchanged)

## CUSTOMER/VOLUNTEER FEEDBACK:

Many customers have asked whether LSWDD is continuing to take plastics for recycling and have commented that the Island's Weekly article was confusing and led them to believe that LSWDD was no longer accepting any plastics. There have also been many phone calls from customers who were confused by the article written by the Weekly's staff.

## APPENDIX 4

## October 2017 Training, Education and Outreach Coordinator Report

Training / Volunteers: Metrics: 82 \% shifts filled for October. Goal was 86 \%. See Administrators report attached.

## Training \& Recruitment:

- 3 new volunteers trained in October, 2 trained by TEOC, one by Facility Manager. 2 more volunteers recruited.
- Meeting was finally held with Volunteer Coordinator Carol Steckler hopes to increase volunteer shift coverage and create clear communications.


## Education:

- In school instruction has begun with Lopez school teacher Lorri Swanson in the $3^{\text {rd }}$ grade. First class was taught, and the class came on site for a full tour of the recycle plaza. Several parents attended tour.
- Two tours scheduled for $4^{\text {th }}$ and $5^{\text {th }}$ grades with teachers Brian Goff and Lorri Swanson will be taking $4^{\text {th }}$ grade-this class is also undertaking a poster project to illustrate what materials can go into the school's single comingled recycling bins.
- TEOC met with Lopez School tech team and got the school's 3D printer functional again. Mathematics, music and computer teacher John Platter has volunteered to champion the 3D printer and was responsible for helping TEOC troubleshoot and fix issues that had prevented the printer from working properly.
- TEOC met with STEM teacher and now has list of items to be collected from TIOLI to supply Tinker lab with tools and recyclable materials for building and engineering projects.
- Filastruder and Filawinder has arrived, and ReMake Lab team began assembly, with many thanks to Page Read and Brad Bucanan. Students did electronic and mechanical assembly including soldering, testing, and assembling. Two more assembly meetings are scheduled to get Filastruder and Filawinder completed


## Outreach

- TEOC met with Pulse Magazine writers for an article on LSWDD—see article on pages 20-21: https://issuu.com/cwupulse/docs/fall_2017_issue_one


## Events:

- Vacuum Cleaner Races were a huge success, with over 50 people in attendance, and 15 participants. Volunteers including Holly B's Bakery provided baked goods for the cake walk, and all prizes came from TIOLI. See the video on our FB page here: https://www.facebook.com/Lopez-Island-Dump881274598558691/?hc_ref=ARSIMP5mzkqu17EulfimICMPwG6f0ynrc8lgW6hFfw 4KAC5unXFNsdjCBYqW-3o7tgc\&fref=nf
- TEOC has helped design at Shirt to Skirt work parties in October and November .
- TEOC photographed "Dogs of the Dump" over the last few months, and designed a calendar for SWAP holiday sales.


## Ongoing:

- PR Committee continuing to work on upcoming China Ban recycling articles
- Website and Facebook updates

3 monthly TIOLI weighing for data collection continues.

October 2017 Volunteer Analysis

| Volunteer Hours/Rate |  |
| :---: | :---: |
| Potential Volunteer Shift Hours $260$ <br> Total Shift Hours Volunteered $213$ | Number of Open Days 13 <br> Shift Participation Rate 82\% |
| Potential TIOLI Shift Hours <br> 130 <br> TIOLI Shift Hours Volunteered <br> 115.5 <br> TIOLI Participation Rate 89\% | Potential Recycle Shift Hours <br> 130 <br> Recycle Shift Hours Volunteered <br> 97.5 <br> Recycle Participation Rate 75\% |
| $\begin{gathered} \text { Special Project TIOLI } \\ 41.25 \\ \hline \end{gathered}$ | Special Project Recycling 23 |
| Total Hours Volunteered 277 |  |


| Unfilled Shifts |  |
| :---: | :---: |
| All Shifts |  |
| Total | 104 |
| Unfilled | 20 |
| \% Filled | 81\% |
| Tioli Shifts |  |
| Total | 52 |
| Unfilled | 7 |
| Filled \% | 87\% |
| Recycle Shifts |  |
| Total | 52 |
| Unfilled | 13 |
| Filled \% | 75\% |
| Number of Shift Volunteers Participating |  |
| TIOLI | 18 |
| Recycling | 13 |

## Board Materials - 11/15/17

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## Financial Officer's Report

## 1. Financials - Monthly and YTD summary:

Summary:
We were $4.5 \%$ above budgeted revenues for October and are $13 \%$ above budgeted revenues for the year through end of October.

Expenditures were above budgeted expenditures for October (because of Legacy Fees, Capital Improvements and Fuel payments which all were not paid in September as budgeted) but are 14\% below budgeted expenditures for the year (mostly because we haven't paid for our \$25,000 Capital Project yet).

We have \$63,933 in our cash account (plus \$200,000 invested reserves).
(Reference Income Statement and Statement of Cash Flows attached.)

## 2. 2018 Levy

Congratulations and thanks to all on a successful levy campaign! We passed with over $81 \%$ approval. Conversation and debrief of the process may be productive.

## 3. 2018 Budget

## Next Steps

a) Approve 2018 budget - Resolution 2017-4 (attached)
b) SJC Council presentation and budget approval scheduled for December 5 on Lopez Island.

Final budget for approval is below. Green numbers indicate that a change has been made since the Special Meeting on October 30.

Lopez Solid Waste Disposal District • 2018 Budget

|  | 2016 | 2017 | 2018 |
| :---: | :---: | :---: | :---: |
| INCOME STATEMENT -- CASH BASIS | BUDGET | BUDGET | BUDGET |
| REVENUE: |  |  |  |
| Beginning Cash | 196,000 | 232,231 | 227,892 |
| Tax Levy Revenue | 115,000 | 80,000 | 105,000 |
| Leasehold Tax Revenue | - | - | - |
| Timber Harvest Tax Revenue |  | - | - |
| Excise Tax Revenue | 51,670 | 56,600 | 69,044 |
| Grant Revenue - DOE | - | - | - |
| Garbage Tip Fee Revenue | 135,450 | 147,490 | 171,188 |
| Recyclables Sales Revenue | 12,000 | 12,000 | 15,348 |
| Recyclables Tip Fee Revenue | 7,500 | 7,500 | 9,037 |
| Interest Revenue | - | 750 | 1,000 |
| Donations | 5,000 | - |  |
| Cash Over (Short) | - | - | 10 |
| Late and NSF Fees, Penalties | - | - |  |
| Misc. Revenue | - | - | - |
| Refuse Tax | 4,880 | 5,310 | 6,148 |
| Proceeds of Long-Term Debt--other | - | - | - |
| Intergovernmental Loan | - | - | - |
| Total Revenue | 331,500 | 309,650 | 376,774 |
| Total Revenue and Beginning Cash | 527,500 | 541,881 | 604,666 |
|  |  |  |  |
| EXPENDITURES: |  |  |  |
| Wages | 124,200 | 150,910 | 155,577 |
| Overtime | - | - |  |
| FICA | 9,500 | 11,540 | 11,897 |
| L\&। | 6,960 | 8,450 | 8,711 |
| Retirement | 11,180 | 16,600 | 17,113 |
| Medical Benefits | - | - | 9,000 |
| Personnel Benefits | 1,200 | 500 | 350 |
| Office \& Operating Supplies | 5,000 | 3,500 | 3,500 |
| Fuel | 4,500 | 4,000 | 4,000 |
| Small Tools \& Equipment | 7,500 | 7,500 | 5,000 |
| Accounting and Professional Services | 5,000 | 4,000 | 7,000 |
| Advertising and Public Outreach | 1,000 | 1,200 | 1,000 |
| SJC Admin. and Legacy Fees | 29,000 | 31,750 | 25,248 |
| Communications | 2,000 | 1,800 | 2,568 |
| Travel |  | - | 1,200 |
| Taxes, Other | 2,140 | 2,320 | 2,320 |
| Rentals and Leases |  | 2,400 | 2,400 |
| Insurance | 17,500 | 14,500 | 14,921 |
| Utility Services | 900 | 1,000 | 1,000 |
| Garbage Tip Fees Paid | 42,750 | 46,550 | 56,447 |
| Garbage Transportation Expenditure | 10,000 | 9,500 | 10,360 |
| Recyclables Tip Fees Paid | 10,200 | 640 | 1,280 |
| Recyclables Transportation Exp. | 8,500 | 8,500 | 9,972 |
| Reclamation-Disposal Fees Paid | - | 4,550 | 4,550 |
| Repairs and Maintenance | 12,000 | 15,000 | 12,000 |
| Fees \& Dues | 200 | 200 | 400 |
| Volunteer Expenditure | - | - | - |
| Hazardous Waste Expense Allowance | 250 | 250 | 250 |
| Permits and Licenses | 3,000 | 2,200 | 2,200 |
| Ballot and Levy Measures | 1,000 | - | - |
| Interfund Loan Payment | - | - | - |
| Refuse Tax Payment | 4,880 | 5,310 | 6,148 |
| Debt Service: Principal | 9,292 | 9,570 | 9,570 |
| Interest Expense | 862 | 580 | 580 |
| Interest, Intergovernmental | - | - |  |
| Facility Improvements | 55,000 | 28,500 | 11,000 |
| Computer and Software Expenditure | - | 1,000 | 750 |
| Machinery and Equipment | 5,000 | - | - |
| Total Expenditures | 390,514 | 394,320 | 398,312 |
| Ending Cash | 136,986 | 147,561 | 206,354 |
| Total Expenditures and Ending Cash | 527,500 | 541,881 | 604,666 |

## Manager’s Monthly Report

## Documents

Employee Handbook - under review by SJC HR Director, James Wolf.

## Employee Vacation Allocations for 2018

Employee vacation/leave hours have typically been established for most employees as the amount equivalent to 2 weeks of average work for the employee (roughly 4\% of annual hours worked).

Given that Eric Blaser is transitioning into a year-round role, the District Manager is seeking board approval (through a motion) to allocate employee vacation hours in 2018 as follows:

District Manager - 40
Facility Manager - 66
Administrator - 60
TEO Coordinator - 40
Site Assistant - 28

## Volunteer Recruitment/Retention

Thank You to Volunteers - news article
Volunteer Thank You - newspaper ad
Volunteer Recognition buttons
Volunteer survey

## Plastics Solutions Committee

Selection of members (4-5) for committee.
Persons expressing interest thus far include:
Brad Buchanan
Page Read
Paul Andersson
Judy Meyer

## Website Opportunities

Review of potential new website design

## Health Insurance

Health Reimbursement Account contribution rates and minimum hourly work requirements have been discussed among board members and should be finalized. See attached framework for policy discussion.

Paul has begun process of online portal setup with Zane Benefits. Payment for administration fees amounts to $\$ 1,747.40$ and credit card is preferred. Once payment has been received, all setup can be finalized and employee contributions ("allowances") can become active.

HSA options for employees to contribute pre-tax on their own - Zane Benefits refers to partner company Health Equity to help employers offer this HSA option also.

Management Committee Report COMMITTEE DID NOT MEET

Admin Committee Report
COMMITTEE DID NOT MEET
PR Committee Report committee did not meet

TIOLI Committee Report
TIOLI Best Practices document under development.

|  | $\begin{gathered} \text { Total Year } \\ 2013 \end{gathered}$ |  | Throu |  | October |
| :---: | :---: | :---: | :---: | :---: | :---: |
| In Tons |  | 2014 | 2015 | 2016 | 2017 |
| Aluminum Cans | 2.7 | 3.00 | 2.61 | 3.14 | 3.72 |
| Cardboard | 48.0 | 44.68 | 51.79 | 53.52 | 59.63 |
| Commingled Recyclables | 14.5 | 12.20 | 6.93 | - | - |
| E-Cycle | 5.0 | 5.16 | 4.36 | 5.07 | 4.11 |
| Ferrous Metals | 30.5 | 43.42 | 26.99 | 54.25 | 61.55 |
| Glass | 95.8 | - | - | - | - |
| Mixed Paper/Newsprint | 81.5 | 97.30 | 77.44 | 74.98 | 76.76 |
| Non-Ferrous Metals | 1.4 | 0.88 | 1.00 | 3.18 | 3.32 |
| Other | 4.9 | 8.24 | 12.63 | 11.71 | 17.56 |
| Plastics | 14.0 | 20.62 | 16.74 | 17.03 | 18.52 |
| Recycle Subtotal | 298.3 | 235.5 | 200.5 | 222.88 | 245.2 |
| Garbage | 425.0 | 401.13 | 387.35 | 433.35 | 454.28 |
| Glass - reclamation project | 15.0 | 80.00 | 91.74 | 103.71 | 107.65 |
| Garbage/Glass Subtotal | 440.0 | 481.1 | 479.08 | 537.06 | 561.93 |
| Grand Total Without TIOLI | 738.3 | 716.6 | 679.58 | 759.93 | 807.09 |
| TIOLI Intake | - | 27.65 | 109.49 | 122.80 | 138.43 |
| TIOLI Discards |  | - | (2.46) | (5.66) | (5.04) |
| Grand Total With TIOLI | - | 744.27 | 786.61 | 877.08 | 940.49 |


| Full Year Annual <br> Rate | 2013 Full <br> Year Rate | 2014 Full Year Rate | 2015 Full Year Rate | 2016 Full Year Rate |
| :---: | :---: | :---: | :---: | :---: |
| Recycle/Reuse | 40\% | 37\% | 39\% | 40\% |
| Garbage/Glass | 60\% | 63\% | 61\% | 60\% |
| Year to Date |  |  |  |  |
| Garbage/Glass | Tons |  | Recycle/Reuse | Tons |
| 2014 | 481 |  | 2014 | 263 |
| 2015 | 479 |  | 2015 | 308 |
| 2016 | 537 |  | 2016 | 340 |
| 2017 | 562 |  | 2017 | 379 |
| Garbage/Glass | \% |  | Recycle/Reuse | \% |
| 2014 | 65\% |  | 2014 | 35\% |
| 2015 | 61\% |  | 2015 | 39\% |
| 2016 | $61 \%$ |  | 2016 | 39\% |
| 2017 | 60\% |  | 2017 | 40\% |


| 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 | - | - | 7,444 | 3.72 |
| Cardboard | 15,395 | 5,636 | 9,462 | 11,907 | 10,084 | 12,318 | 17,407 | 15,887 | 15,445 | 5,717 | - | - | 119,258 | 59.63 |
| Commingle Recyclables | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| E-Cycle | - | - | - | 6,412 | - | - | 1,800 | - | - | - | - | - | 8,212 | 4.11 |
| Ferrous Metal | 12,500 | 319 | 11,140 | 14,700 | 12,360 | 12,240 | 11,880 | 22,160 | 12,820 | 12,980 | - | - | 123,099 | 61.55 |
| Mixed Paper | 16,040 | - | 25,200 | 16,534 | 17,960 | - | 20,020 | 18,840 | 17,040 | 21,880 | - | - | 153,514 | 76.76 |
| Non-Ferrous Metal | 97 | 371 | 377 | 383 | - | 4,434 | 92 | 97 | 311 | 481 | - | - | 6,643 | 3.32 |
| Other | 1,134 | 4,256 | 3,390 | 170 | 4,145 | 3,192 | 5,844 | 1,488 | 3,149 | 8,355 | - | - | 35,123 | 17.56 |
| Plastics | 3,678 | 1,681 | 1,112 | 5,629 | 2,490 | 5,132 | 4,391 | 5,822 | 4,461 | 2,649 | - | - | 37,045 | 18.52 |
| Recycle Subtotal | 49,784 | 12,263 | 51,138 | 56,659 | 47,481 | 37,744 | 62,686 | 65,999 | 54,111 | 52,473 | - | - | 490,338 | 245.17 |
| Garbage | 74,700 | 70,750 | 84,740 | 74,880 | 85,560 | 87,120 | 139,880 | 112,960 | 110,540 | 67,420 | - | - | 908,550 | 454.3 |
| Glass - reclamation proje | 27,680 | 14,080 | 16,270 | 15,680 | 17,750 | 18,240 | 44,960 | 20,100 | 18,260 | 22,280 | - | - | 215,300 | 107.7 |
| Garbage/Glass Subtotal | 102,380 | 84,830 | 101,010 | 90,560 | 103,310 | 105,360 | 184,840 | 133,060 | 128,800 | 89,700 | - | - | \#\#\#\#\#\#\#\# | 561.93 |
| 3rand Total Without TIOLI | 152,164 | 97,093 | 152,148 | 147,219 | 150,791 | 143,104 | 247,526 | 199,059 | 182,911 | 142,173 | - | - | \#\#\#\#\#\#\# | 807.09 |
| TIOLI Intake TIOLI Discards | $\begin{gathered} 22,376 \\ (483) \end{gathered}$ | $\begin{gathered} 16,567 \\ (605) \\ \hline \end{gathered}$ | $\begin{gathered} 19,478 \\ (915) \end{gathered}$ | $\begin{array}{r} 29,659 \\ (795) \\ \hline \end{array}$ | $\begin{aligned} & 24,746 \\ & (2,010) \end{aligned}$ | $\begin{gathered} 36,099 \\ (1,335) \end{gathered}$ | $\begin{aligned} & 31,429 \\ & (1,471) \\ & \hline \end{aligned}$ | $\begin{array}{r} 32,681 \\ (456) \\ \hline \end{array}$ | $\begin{gathered} 38,925 \\ (1,620) \\ \hline \end{gathered}$ | $\begin{array}{r} 24,908 \\ (390) \\ \hline \end{array}$ | - | - | $\begin{gathered} 276,867 \\ (10,080) \\ \hline \end{gathered}$ | $\begin{array}{r} 138.43 \\ (5.04) \\ \hline \end{array}$ |
| Grand Total with TIOLI | 174,057 | 113,055 | 170,711 | 176,083 | 173,527 | 177,868 | 277,484 | 231,284 | 220,216 | 166,691 | - | - | \#\#\#\#\#\#\#\# | 940.49 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 |
| Commingle 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 | 121,631 | 146,490 | 122,320 | 124,660 | 127,910 | 75,340 | 91,580 | \#\#\#\#\#\#\#\# | 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 | \#\#\#\#\#\#\#\# | 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 | \#\#\#\#\#\#\#\# | 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 |
| Commingle 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 proje | 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 | \#\#\#\#\#\#\#\# | 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 | \#\#\#\#\#\#\#\# | 953.68 |


| 2014 Monthly In Ibs | 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 | - | - 7 | 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 proje | 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 | \#\#\#\#\#\#\#\# | 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 | \#\#\#\#\#\#\#\# | 898.30 |

Notes on 2017
Other is composed of Aluminum Foil, Electric Motors, Electrick Wire, Flourescent lights, Lead Acid Batteries, Rechargable Batteries, Oil Waste, Refridgerators, Textiles, Tires, Non-Ecycle Electronics

