

LOPEZ SOLID WASTE DISPOSAL DISTRICT REGULAR MANAGING BOARD MEETING

MINUTES

Approved 12/19/18

TUESDAY, NOVEMBER 20, 2018

LOPEZ ISLAND FAMILY RESOURCE CENTER CONFERENCE ROOM

1:30 PM to 3:00 PM

Board members present: Clark Johnson, Rhea Miller, Judy Meyer, Larry Bailey,

Board member absent: Clay Smith

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

Clark called the meeting to order at 1:30 PM, noting no changes to agenda.

Rhea moved to approve the minutes from the October 17, 2018 regular meeting. The motion was approved unanimously. Rhea moved to approve the minutes from the October 25, 2018 special meeting . The motion was approved unanimously.

Status Reports

Financial Officer's report: See Appendix 1 and 2 (below)

The following voucher/warrants/electronic payments are approved for payment: Claim numbers: 18043 through 18046, totaling \$8195.70; October 2018 payroll totaling \$11976.99. LSWDD is above revenue for October and at 104% of budget for the year. Expenditures are at 99% of budget. LSWDD cannot exceed budgeted expenses without amending the budget, and Paul does not anticipate needing to do that.

The legacy fees have dropped significantly for 2019. The administrative charge from the county auditor's office is included in the professional services budget.

Family Medical Leave Act. This is a new requirement for 2019. Paul made the decision that LSWDD will pay the full amount, which is \$340/year. It is not clear whether employees can only draw out what has been contributed in their name. Paul will check on this and report back to the board.

Solid Waste Alternatives Program. They had a successful workshop, although they are presently stressed for seamstresses. The bag bin at Blossom is holding its own, but SWAP will not be able to add other stores. SWAP is looking for new board

members, and Kim is retiring as chair in June,. She would like to share Farmer's Market duties for summer 2019.

Solid Waste Advisory Committee – Subcommittees have met. There is now a preliminary design for a composting and recycling facility on San Juan, which would be next to the existing transfer station.

Staff Reports

Facility Manager's monthly report: See Appendix 3 (below). Operations committee did not meet. David reported that the truck is now up and running, so they should be on schedule for hauling this weekend. For the 4th Sunday in a row over 200 cars visited the site, although 150-180 is what we expect for this time of year. Only 10 volunteers are carrying most of the load in the recycle plaza, which is cause for concern.

District Manager's monthly report: See Appendix 2 (below).

Administrator's report: See Appendix 8 (below). Plastics and mixed paper are down from last year.

Training, Education and Outreach Coordinator's report: See Appendix 4 (below). The board noted that the video and slide show Nikyta has prepared are awesome.

New business

Resolution 2018-2 approval of 2019 budget With the reduction in legacy fees, the board is able to increase the capital improvement budget over the budget discussed last month. The budget is detailed in Appendix 6. **Rhea moved approval of Resolution 2018-2, approving the 2019 budget (Appendix 5). The motion passed unanimously**

Judy's 4-year term on the board will end in December 2018. Larry agreed to assume the secretary responsibilities when Judy leaves. Efforts are underway to recruit new board members.

It is likely that there will not be a board meeting in August 2019.

Old business

As an on-going follow up to the October LSWDD and SJC Public Works discussion, the board discussed potential next steps. LSWDD priorities are improving safety and efficiency at the site as well as being able to weigh garbage since LSWDD pays tipping fees based on weight. The Board asks the Operations

Committee to provide ideas on possible changes to site operations and design to support those priorities.

Given the high customer volume, the board discussed opening on Monday without TIOLI for the entire year. Income would be enough to cover the costs, although more volunteers would be needed. Before making a decision, the board will see if the increased traffic continues through January and February. It is likely that adding a Monday schedule will start earlier and end later in 2019.

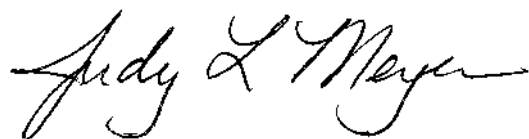
Key constraints at the site are the flood of donations at TIOLI at closing on Sundays, customers circling while waiting to park, and increased traffic, especially on Sundays. A newspaper article about the best times to come to the dump could help reduce some of the Sunday traffic.

Idea pot

Clark shared plots of amount of garbage received within each quarter over the years (Appendix 7). There has been growth over time in all quarters, but it has been twice as rapid during the summer quarter.

The meeting was adjourned at 3:08 pm. The next regular board meeting is December 19, 2018, 1-3 PM.

Respectfully submitted,

A handwritten signature in black ink that reads "Judy L Meyer". The signature is written in a cursive style with a large, sweeping "J" and "M".

Judy Meyer,
Secretary
judym@lopezsolidwaste.org

Appendix 1

LSWDD			
Profit & Loss Budget vs. Actual			
January through October 2018			
	Jan - Oct ...	Budget	% of Bud...
Income			
Tax Levy Revenue (311.10.00.0000)	95,214.86	92,607.00	102.8%
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)	55,014.70	59,516.00	92.4%
Garbage Tip Fee Revenue (343.70.00.0000)	160,033.60	147,563.00	108.5%
Recyclables Sales Revenue (343.70.00.0001)	11,349.38	13,230.00	85.8%
Recyclables Tip Fee Revenue (343.70.00.0002)	8,141.00	7,788.00	104.5%
Investment Interest, LGIP (361.11.00.0000)	2,774.71	830.00	334.3%
Donations (367.00.00.0000)	644.53	0.00	100.0%
Cash Over (Short) (369.81.00.0000)	-6.60	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)	5,746.45	5,288.00	108.7%
Total Income	339,212.68	326,822.00	103.8%
Gross Profit	339,212.68	326,822.00	103.8%
Expense			
Wages (537.00.10.0000)	126,099.46	130,270.00	96.8%
Overtime (537.00.10.0001)	0.00	0.00	0.0%
FICA (537.00.20.0001)	9,646.65	9,966.00	96.8%
L&I (537.00.20.0002)	5,668.32	7,298.00	77.7%
Retirement (537.00.20.0003)	12,767.29	14,330.00	89.1%
Medical Benefits (6675.537.00.20.0020)	7,500.00	7,500.00	100.0%
Personnel Benefits (537.00.20.0009)	195.08	264.00	73.9%
Office & Operating Supplies (537.00.31.0000)	2,828.64	2,916.66	97.0%
Fuel (537.00.32.0000)	3,173.26	3,448.00	92.0%
Small Tools & Equipment (537.00.35.0000)	3,090.41	4,166.66	74.2%
Accounting and Professional (537.00.41.0000)	9,310.10	6,200.00	150.2%
Advertising and Public Outreach (537.00.41.0...)	185.55	1,000.00	18.6%
SJC Admin. and Legacy Fees (537.00.41.0099)	26,828.94	18,936.00	141.7%
Communications (537.00.42.0000)	1,217.51	2,140.00	56.9%
Travel (537.00.43.0000)	325.50	600.00	54.3%
Taxes, Other (537.00.44.0000)	2,774.73	1,786.00	155.4%
Rentals and Leases (537.00.45.0000)	1,925.00	2,000.00	96.3%
Insurance (537.00.46.0000)	12,110.62	14,921.00	81.2%
Utility Services (537.00.47.0000)	626.12	830.00	75.4%
Garbage Tip Fees Paid (537.00.47.0001)	42,476.70	43,465.00	97.7%
Garbage Transportation Exp. (537.00.47.0002)	9,065.50	7,978.00	113.6%
Recyclables Tip Fees Paid (537.00.47.0003)	1,050.60	983.00	106.9%
Recyclables Transportation Exp. (537.00.47.0...)	7,915.60	7,715.00	102.6%
Reclamation-Disposal Fees Paid (537.00.47.0...)	3,121.48	3,923.00	79.6%
Repairs and Maintenance (537.00.48.0000)	1,403.52	10,000.00	14.0%
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	1,830.00	126.4%
Refuse Tax Payment (586.00.44.0000)	6,355.65	4,734.00	134.3%
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)	13,359.66	9,170.00	145.7%
Computer and Software Exp. (594.37.64.0000)	570.93	630.00	90.6%
Machinery and Equipment (594.37.64.0001)	0.00	0.00	0.0%
Total Expense	325,398.29	329,650.32	98.7%
Net Income	13,814.39	-2,828.32	-488.4%

Appendix 2

Board Materials – 11/20/18

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Financial Officer’s Report

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

Summary:

We were 19% above budgeted revenues for October. We are at 104% of budgeted revenues for the year to date. October expenditures were 28% above budgeted. Year to date expenditures are only 1% below budget. This shift from normally being much more below budget is largely attributable to the glass container purchase that LSWDD bore the full cost of. Donations from SWAP and SJC will offset the actual cost to LSWDD but the full price of the container is an unplanned expense on our books. Raising revenues and expenditures equally in the future is recommended.

We are holding \$200,000 in investments.

At the end of October we have \$34,593 in our cash account; \$234,593 total.

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

2. **Claims and Payroll**

Claims and Payroll requiring board signature include:

18043 - \$464.94

18044 – \$241.80

18045 – \$6,843.55

18046 - \$645.41

October Payroll - \$11,976.99

3. Discussions

- a) **Family Medical Leave Act** –ATTACHMENT A - FMLA2018_changes
- b) **San Juan County Legacy Fees Update** –ATTACHMENT B - LSWDD SW Fee 2019

Manager’s Monthly Report

1. Actions

Resolution 2018-2 – Approval of 2019 Budget

a. **2019 budget discussion**

Resolution 2018-2 approves the budget agreed upon by the board at a special meeting on October 25th. Final amounts may be adjusted slightly based on new information.

Upon approval of this resolution, it will be presented to the Governing Board for approval on December 4th on Lopez Island.

2. Discussions

a. **LSWDD and SJC Public Works follow-up**

Open discussion of next steps based on key takeaways from this meeting held on October 17.

Management Committee Report

COMMITTEE DID NOT MEET

Admin Committee Report

COMMITTEE DID NOT MEET

PR Committee Report

COMMITTEE DID NOT MEET

TIOLI Committee Report

COMMITTEE DID NOT MEET

Plastics Solutions Committee Report

COMMITTEE DID NOT MEET

Appendix 3 Solid Waste Facility Manager's Monthly Report

Date Issued: November 16, 2018

SAFETY

The new glass container has arrived and is in use.

GENERAL

OPERATIONS/ONGOING ISSUES:

The recycle plaza has been cleaned and reorganized around the reduced plastics recycling arrangement. Customers are getting used to the relocation of the commingled sort table and the egg carton and newspaper container. The red convenience tippler for half cans (paid bagged garbage up to 16 gallons) has been well received.

Traffic continues to be heavy on Sundays. Vehicle counts have been 220 or more for the past three Sundays. TIOLI usage has continued to be high even on days when recycling and garbage traffic is low. Christmas items are now being displayed and accepted at TIOLI. A propane radiant heater has been installed overhead in the TIOLI intake area.

Public Works has shifted back to its Winter schedule of eight hour shifts Monday through Friday. Staff and volunteers are now parking in the upper lot and allowing customers full use of the Zwall parking area.

The dumpster truck has had a failure of one of its brake actuators. The incident occurred on Thursday the 15th while returning from a garbage run. Dan was able to bring the truck back to the island by stopping frequently and allowing the air brake system to recharge. A new actuator has been ordered and should arrive Monday the 19th. David will install the part and hopefully have the truck running again for the holiday week. Garbage sales are expected to be heavy the weekend following Thanksgiving, and assuring adequate capacity for high garbage intake following a week with limited ferry reservations and a broken truck will be a challenge.

Eric lacerated his left thumb and index finger while working in TIOLI on Sunday, October 21st. He sought medical attention at the clinic the next morning and the cuts are healing well. An L&I report of injury was filed online by David and the treatment approved by L&I for payment.

Skagit River Steel and Recycling prices are as follows:

Corrugated Cardboard \$40/ton (up \$4)
Aluminum Foil \$0.05/lb. (unchanged)
Aluminum cans \$0.34/lb. (down \$0.02/lb.)

Bulk appliances \$30/ton (unchanged)
 Stainless steel \$0.32/lb.
 Electric motors \$0.08/lb.

CUSTOMER/VOLUNTEER FEEDBACK:

Many customers have remarked that they like the new glass dumpster. There are a surprising number of customers who, upon learning of the new option to dispose of \$4 bags of garbage in the recycle plaza, have remarked that they were unaware that the minimum charge for garbage was four dollars.

Appendix 4

Training, Education and Outreach Coordinator October 2018 Board Report

Training / Volunteers:

Metrics: % shifts filled.

Training & Recruitment:

- 3 new volunteers recruited
- 1 new volunteer trained

Education:

- Shaw school came for a tour of the facilities and ReMake Lab. Page Read was instrumental in hands on demonstrations of the shredder and explanations of ReMake Lab processes. They also received a full tour, including TIOLI and got to get costumed and participate in the 2nd Annual Vacuum Cleaner Races—the Shaw Edition (aka Disposal). Their video card thank you is now on the LSWDD webpage here:
<https://www.lopezsolidwaste.org/news-info/shaw-school-s-amazing-video-thank-you-card>
- Y2Z blog entries continue to be read and help Lopezians educate other Lopezians in reuse, repurposing and recycling. See recent entries here on our website:
<https://www.lopezsolidwaste.org/news-info/scott-ande-s-meditations-on-plastic>
- Lopez School's paper towel diversion program is back up and running, now with local farm and vermiculture operations helping to take the excess paper towels that the school's garden program cannot manage. TEOC will be discussing this innovative diversion in the WSRA school skill share roundtable at our quarterly meeting on Nov 20.

Events:

- First Fix it Café happened on November 12 at Grace Hall. A volunteer staff of 3 for textiles, 2 for furniture, and 2 for electronics came out. We repaired 4 pairs of pants, 2 sweaters, 1 zipper, 1 wetsuit, 1 garden hose, 1 coffee grinder, 1 kitchen mixer, 2 stuffed animals, and almost one keyboard. It was a good soft opening, but our team would have enjoyed more “customers”, so we will up the PR and perhaps choose a weekend day for the next one. Many folks were extremely happy we were hosting one, and shared how they had experienced these in other areas.
- Volunteer Appreciation party is planned for Thursday, Decemeber 13 from 6-8 pm. Please bring a sweet or savory finger food, and a wrapped white elephant gift if you wish. As always, TEOC is saving odd and fun items from TIOLI for the white elephant gift exchange, so there will be plenty already there. This year we will be presenting special gifts to the Recycle Dogs, and Colette, Georgeana and Monte, and a LSWDD board member who is retiring. SWAP is generously providing hot spiced wine and cider and regular wine and sweets.

Outreach:

As part of the Plastics Free Salish Sea Committee, a sub committee of the Marine Resource Committee, volunteer film maker Carl Davis made a short 15 minute film about innovations San Juan Islanders are doing to reduce marine plastics. Pete Moe on Orcas and Mark Herrenkohl begin the film, and the last 10 minutes were dedicated to LSWDD innovations and lessons learned. Carl has volunteered to help LSWDD frame a video specific to our needs, so DM and TEOC will be getting together to discuss best focus. To see the video which is being shown Friday Nov 16 at the Marine Resource Council Conference, click here, <https://vimeo.com/300348582> Password: Salish

- 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”.

Ongoing:

- **Lopez Island Tool Lending Library** has been reinvigorated thanks to two new recruits who are part time Lopezians transitioning to full time (and yes, both were invited to be part of the LSWDD board!).
- **PR Committee** published 2 newspaper articles, Y2Z programming, and current FB.
- **Plastics Committee:** will now focus on being support and assistance to partner Chris Robison on Orcas who has purchased larger scale machines to construct a “ReMakery” at ORS’s exchange building.

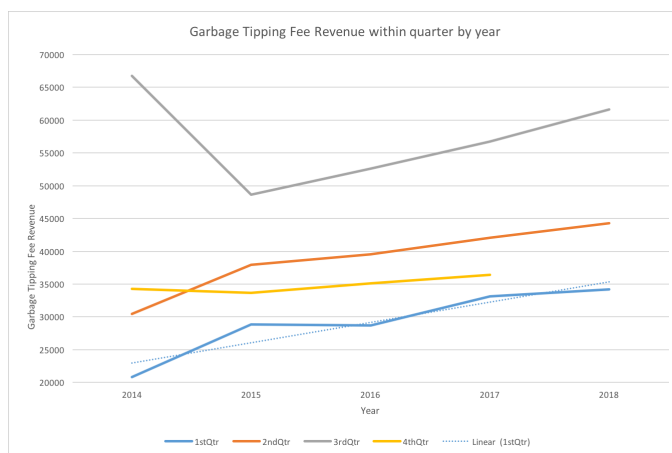
Appendix 6

Lopez Solid Waste Disposal District • 2019 Budget • Managing Board Approval Date:					
INCOME STATEMENT -- CASH BASIS	2016 BUDGET	2016 ACTUAL	2017 BUDGET	2018 BUDGET	2019 BUDGET
REVENUE:					
Beginning Cash	196,000		232,231	227,892	226,372
Tax Levy Revenue	115,000	113,694	80,000	105,000	105,000
Leasehold Tax Revenue	-		-	-	
Timber Harvest Tax Revenue		21	-	-	
Excise Tax Revenue	51,670	55,387	56,600	69,044	67,860
Grant Revenue - DOE	-		-	-	
Garbage Tip Fee Revenue	135,450	156,038	147,490	171,188	180,190
Recyclables Sales Revenue	12,000	13,469	12,000	15,348	9,500
Recyclables Tip Fee Revenue	7,500	8,318	7,500	9,037	9,022
Interest Revenue	-		750	1,000	3,300
Donations	5,000	2,981	-	-	
Cash Over (Short)	-	(1)	-	10	
Late and NSF Fees, Penalties	-	21	-	-	
Misc. Revenue	-		-	-	
Refuse Tax	4,880	5,604	5,310	6,148	6,470
Proceeds of Long-Term Debt--other	-		-	-	
Intergovernmental Loan	-		-	-	
Total Revenue	331,500	355,531	309,650	376,775	381,342
Total Revenue and Beginning Cash	527,500		541,881	604,667	607,714
EXPENDITURES:					
Wages	124,200	110,531	150,910	155,577	158,233
Overtime	-	170	-	-	
FICA	9,500	8,469	11,540	11,897	12,103
L&I	6,960	5,675	8,450	8,711	8,439
Retirement	11,180	10,880	16,600	17,113	13,936
Medical Benefits	-		-	9,000	9,000
Personnel Benefits	1,200	144	500	350	350
Office & Operating Supplies	5,000	2,221	3,500	3,500	3,500
Fuel	4,500	2,333	4,000	4,000	4,000
Small Tools & Equipment	7,500	3,456	7,500	5,000	5,000
Accounting and Professional Services	5,000	2,825	4,000	7,000	7,000
Advertising and Public Outreach	1,000	1,252	1,200	1,000	1,000
SJC Admin. and Legacy Fees	29,000	30,853	31,750	25,248	15,797
Communications	2,000	1,837	1,800	2,568	1,500
Travel	-		-	1,200	
Taxes, Other	2,140	2,998	2,320	2,320	3,200
Rentals and Leases	-	2,040	2,400	2,400	2,400
Insurance	17,500	20,059	14,500	14,921	13,000
Utility Services	900	687	1,000	1,000	1,000
Garbage Tip Fees Paid	42,750	47,366	46,550	56,447	58,570
Garbage Transportation Expenditure	10,000	8,790	9,500	10,360	8,162
Recyclables Tip Fees Paid	10,200	684	640	1,280	1,280
Recyclables Transportation Exp.	8,500	8,460	8,500	9,972	9,804
Reclamation-Disposal Fees Paid	-	9,593	4,550	4,550	2,500
Repairs and Maintenance	12,000	85	15,000	12,000	12,000
Fees & Dues	200	217	200	400	400
Volunteer Expenditure	-		-	-	
Hazardous Waste Expense Allowance	250	95	250	250	250
Permits and Licenses	3,000	2,856	2,200	2,200	2,400
Ballot and Levy Measures	1,000		-	-	2,500
Interfund Loan Payment	-		-	-	
Refuse Tax Payment	4,880	6,830	5,310	6,148	6,470
Debt Service: Principal	9,292	9,292	9,570	9,570	
Interest Expense	862	862	580	580	
Interest, Intergovernmental	-		-	-	
Facility Improvements	55,000	37,632	28,500	11,000	16,798
Computer and Software Expenditure	-	158	1,000	750	750
Machinery and Equipment	5,000	2,157	-	-	
Total Expenditures	390,514	341,507	394,320	398,312	381,342
Ending Cash	136,986		147,561	206,355	226,372
Total Expenditures and Ending Cash	527,500		541,881	604,667	607,714

Appendix 7

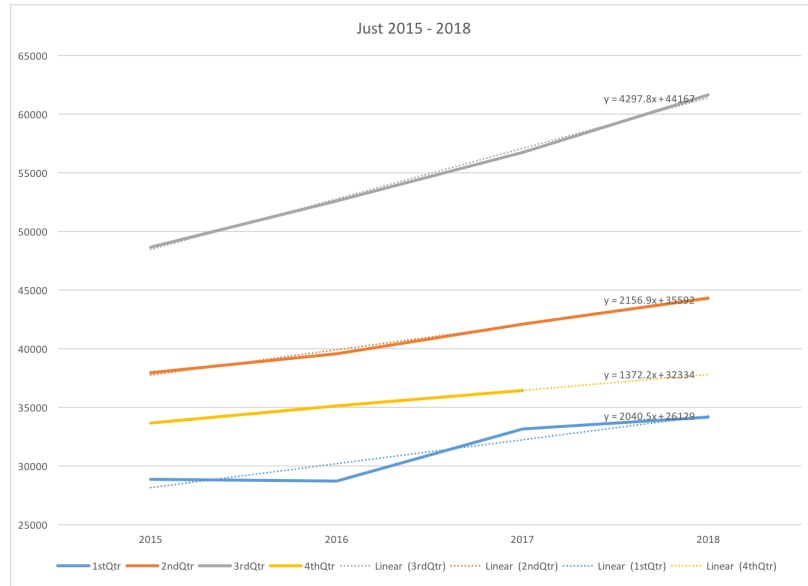
Judy requested some analysis of growth at our last board meeting. I have the quarterly data already stored in a historical data file so it was easy for me to access. I used the Garbage Tipping Fee Revenue (GTFR) as a proxy for tons of garbage. I assume they are pretty highly correlated. One short coming of my approach is that I only have quarterly data. So, the analysis places June in the second quarter which is not optimal. Still, I think you will find the results interesting.

In the first plot we see the collapse in the 3rd Qtr that happened in 2015. We saw this in the "Tons of Refuse Processed" I presented during the last board meeting. To some extent this validates the use of the GTFR proxy. This continues to puzzle me.



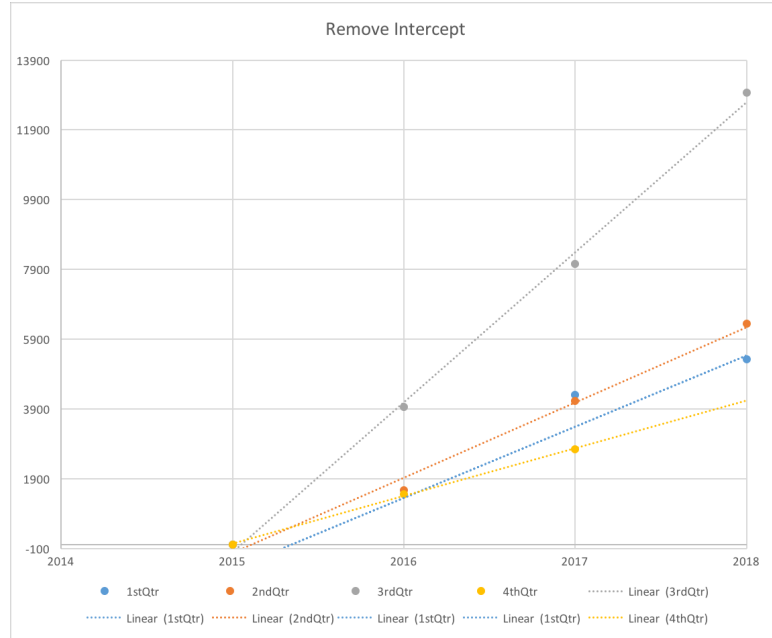
We also see a steady recovery since 2015 though still not yet back to 2014 levels. I wonder if that means we still have growth potential in 2019(?). Surprisingly, the 1st and 2nd Qtr results for 2015 show a bump up (Hm).

It does look like the patterns are linear from 2015 onwards. So, in the next plot I dropped 2014 and plotted 2015 – 2018



I've included the equation for each line. Not surprisingly the overall height of each quarter differs. The order from lowest to highest is Qtr 1, 4, 2, 3. I think Judy's primary question is answered by the slopes. They represent the rate of growth for each quarter.

While Qtr.s 1 and 2 have similar rates (e.g. 2041 and 2156) the 3rd Qtr is roughly double (4298). So we are seeing a robust recovery in the Summer and modest growth in Winter and Spring. The Fall is growing much less quickly.



Appendix 8

See next page

Lopez Solid Waste Disposal District (LSWDD) 2014-2018

In Tons	Total Year 2013	YTD Through				October
		2014	2015	2016	2017	2018
Aluminum Cans	2.7	3.00	2.61	3.14	3.72	5.29
Cardboard	48.0	44.68	51.79	53.52	59.63	69.49
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	54.25	61.55	63.02
Glass	95.8	-	-	-	-	-
Mixed Paper/Newsprint	81.5	97.30	77.44	74.98	76.76	68.33
Non-Ferrous Metals	1.4	0.88	1.00	3.18	3.32	8.66
Other	4.9	8.24	12.63	11.71	17.56	19.36
Plastics	14.0	20.62	16.74	17.03	18.52	7.87
Recycle Subtotal	298.3	235.5	200.5	222.88	245.2	243.3
Garbage	425.0	401.13	387.35	433.35	454.28	492.88
Glass - reclamation project	15.0	80.00	91.74	103.71	107.65	108.66
Garbage/Glass Subtotal	440.0	481.1	479.08	537.06	561.93	601.53
Grand Total Without TIOLI	738.3	716.6	679.58	759.93	807.09	844.86
TIOLI Intake	-	27.65	109.49	122.80	138.43	171.59
TIOLI Discards	-	-	(2.46)	(5.66)	(5.04)	(6.04)
Grand Total With TIOLI	-	744.27	786.61	877.08	940.49	1,010.40

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	481	2014	263
2015	479	2015	308
2016	537	2016	340
2017	562	2017	379
2018	602	2018	409

Garbage/Glass Rate	%	Rate	%
2014	65%	2014	35%
2015	61%	2015	39%
2016	61%	2016	39%
2017	60%	2017	40%
2018	60%	2018	40%

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	458	-	-	10,577	5.29
Cardboard	13,913	8,488	11,411	6,259	16,427	17,506	19,499	20,809	12,592	12,075	-	-	138,979	69.49
E-Cycle	-	-	2,643	-	-	-	-	-	-	-	-	-	2,643	1.32
Ferrous Metal	-	11,165	12,860	11,018	35,440	-	22,360	11,140	11,080	10,980	-	-	126,043	63.02
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	1,573	-	-	17,314	8.66
Other	2,640	440	4,675	7,970	7,865	250	4,610	3,380	3,150	3,730	-	-	38,710	19.36
Plastics	2,210	665	2,072	-	2,569	1,527	2,043	1,174	2,792	682	-	-	15,734	7.87
Recycle Subtotal	38,462	21,557	53,385	51,354	82,962	21,531	76,150	58,744	53,013	29,498	-	-	486,656	243.33
Garbage	86,060	67,200	76,860	68,200	128,940	105,520	127,540	138,850	89,440	97,140	-	-	985,750	492.88
Glass - reclamation project	21,110	13,940	17,220	16,340	16,610	19,000	36,840	34,310	23,520	18,420	-	-	217,310	108.66
Garbage/Glass Subtotal	107,170	81,140	94,080	84,540	145,550	124,520	164,380	173,160	112,960	115,560	-	-	1,203,060	601.53
Grand Total Without TIOLI	145,632	102,697	147,465	135,894	228,512	146,051	240,530	231,904	165,973	145,058	-	-	1,689,716	844.86
TIOLI Intake	28,629	18,224	29,667	30,295	54,440	42,763	32,102	38,945	42,818	25,291	-	-	343,173	171.59
TIOLI Discards	(1,195)	(385)	(1,007)	(1,300)	(1,500)	(1,500)	(1,500)	(1,500)	(1,500)	(700)	-	-	(12,087)	(6.04)
Grand Total with TIOLI	173,066	120,536	176,126	164,889	281,452	187,314	271,132	269,349	207,291	169,649	-	-	2,020,803	1,010.40

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	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.