



Memorandum

DATE: September 13, 2018
TO: Chairman and Members of the Board
FROM: Kevin H. Roche, CEO/General Manager
SUBJECT: **Agenda for the Board of Directors Meeting**

There is an **ecomaine** Board of Directors Meeting scheduled for **Thursday, September 20, 2018 @ 4PM**. The agenda for this meeting is as follows:

1. Approval of the Minutes (*Attachment A*)
2. Outreach & Recycling Committee Report – Caleb Hemphill, Chair
3. Finance & Audit Committee Report – Erik Street, Chair
 - Review Five Year Plan
 - Approval of Rates for FY 19 & FY 20 (*Attachment B*)
4. **Manager's Report**
 - Contamination
 - Fire Prevention, Detection & Response
 - Building Improvements Update
 - Recruitment

Finances FY 18 (Year-end) (Pre Audit Version)

- Financial Summary(*Attachment C1*)
- Tonnage Summary(*Attachment C2*)
- Statistical Data (*Attachment C3*)
- Statement of Revenue & Expenses (*Attachment C4*)
- Statement of Cash Balances (*Attachment C5*)
- Summary Analysis of All Tons (*Attachment C6*)
- Operations & Electrical Generation (*Attachment C7*)

5. Other Business:

Future Meetings:

Outreach & Recycling Committee	09-13-2018 @ 4PM	Outreach & Recycling Committee	02-14-2019 @ 3PM
Finance & Audit Committee	09-20-2018 @ 3PM	Executive Committee	02-14-2019 @ 4PM
Full Board of Directors	09-20-2018 @ 4PM	Outreach & Recycling Committee	03-07-2019 @ 4PM
Executive Committee	10-18-2018 @ 4PM	Full Board of Directors	03-21-2019 @ 4PM
Outreach & Recycling Committee	11-08-2018 @ 4PM	Finance & Audit Committee	04-04-2019 @ 4PM
Finance & Audit Committee	11-15-2018 @ 3PM	Full Board of Directors	04-18-2019 @ 4PM
Full Board of Directors	11-15-2018 @ 4PM	Finance & Audit Committee	05-16-2019 @ 3PM
Executive Committee	12-20-2018 @ 4PM	Executive Committee	05-16-2019 @ 4PM
Finance & Audit Committee	01-17-2019 @ 3PM	Outreach & Recycling Committee	05-23-2019 @ 4PM
Full Board of Directors	01-17-2019 @ 4PM	Annual Board of Directors Meeting	06-20-2019 @ 11:30 AM
Outreach & Recycling Committee	01-24-2019 @ 4PM		

The Board of Directors may wish to go into Executive Session for any of the above items under Section 405 of Title 1 of the Maine Revised Statutes ([per the following legislative website: http://janus.state.me.us/legis/statutes/1/title1ch13sec0.html](http://janus.state.me.us/legis/statutes/1/title1ch13sec0.html).)

DATE: September 10, 2018
TO: Chairman and Members of the Board
FROM: Kevin H. Roche, CEO/General Manager
SUBJECT: Board of Directors Minutes –June 14, 2018

The Annual Meeting of the **ecomaine Board of Directors** was held on the date noted above at 12:00pm. The meeting was held at Thompson's Point (Brick South), Portland, ME.

Item #1: Welcome

Troy Moon, Chairman welcomed the Board, Staff and our guests to the Annual Board of Directors Meeting.

Troy reflected on his time as Chairman of the Board. He recognized and thanked board and staff for their commitment and hard work in bringing success to **ecomaine**. He noted that although he will no longer serve as Chair, he plans on continuing his work with **ecomaine**.

Item #2: Approval of the Minutes

Mike Shaw motioned to accept the minutes as written. The motion was seconded by Bill Shane. All in favor.

Item #3: Committee Reports

Finance & Audit Committee Report – Mike Shaw, Chair

Mike Shaw reported out the highlight of the year's work of the Finance & Audit Committee:

- Reviewed the five year financial plan, projections and the Cash Reserve & Investment Policy.
- Reviewed and accepted the Audit Report for FY 17
- Reviewed the concept of combing the two committees and recommended to the full board for acceptance.
- Recommended a responsible budget consistent with our mission and it was approved by the full board.
- Reviewed our investments with HM Payson for long term benefits to our communities.

He thanked the Committee Members for their commitment to **ecomaine**.

Outreach & Recycling Committee Report – Caleb Hemphill, Chair

Caleb reported out the activity this past year of the committee with highlights on the following:

- **ecomaine** had a record breaking direct contact with more than 23, 000 people through tours, virtual tours and presentations.
- Successful launch of the Recyclopedia.
- Developed strategic partnerships with the Common Ground Fair and Red Claws.
- Strong year in earned media & website engagement.
- Excellent outcomes with Open House, eco-Excellence Awards, Recycling Work of Art & Introduced 2 Educational Sessions for member communities to assist them with communicating important information on waste and recycling.

Caleb thanked the committee members and staff for a successful year.

Nominating Committee Report – Tony Plante, Chair

The nominating committee met on April 19, 2018. The committee reviewed and discussed current & upcoming officer nominations. The committee is recommending the following nominations to the full board:

FY 19

Matthew Frank – Chair

Michael Shaw – Vice Chair

Erik Street – Treasurer & Chair, Finance & Audit Committee

Caleb Hemphill – Secretary & Chair, Outreach & Recycling Committee

William Shane – Vice Chair, Finance & Audit Committee

Tony Plante thanked the Nominating Members Linda Boudreau, Dave Morton & Rod Regier for participation in this year's deliberations.

Troy Moon asked if there were any other nominations from the floor. Seeing none, Mike Shaw motioned that the Board approve the slate of Officers & Committees as listed in Attachment B. The motion was second by Jamie Garvin and passed with a unanimous vote from the Full Board.

Troy Moon recognized departing board member Dennis Doughty from Limington for his service on the **ecomaine** Board. He also welcomed our newest members, Jeff Amatrudo - Limington, Tim Pellerin - Harrison, Rita Perron - Hollis and Clayton Haskell - Windham. Len Van Gaasbeek of Hollis was also recognized as he celebrated his 88th Birthday.

Lastly he recognized the 2018 eco-Excellence Award winners; Tom Halstead – Allagash Brewing Company, Ruby Libby – Ruth's Reusable Resources & David Pope – Massabesic Middle School, Waterboro.

Troy Moon thanked all for the opportunity to be the chairman of the board for the last two years.

Remarks from Kevin Roche, CEO

Kevin Roche thanked the outgoing Chairman for his commitment over the last two years as well as his support and direction. He reflected on Troy's work over the years in several positions, always assisting in the improvement of services at **ecomaine**. Kevin reflected on **ecomaine's** mission and its commitment to our 74 member communities as well as the work of staff in operations, education and outreach.

Item # 6: Guest Speaker David Biderman – CEO – SWANA

David Biderman provided a presentation on the State of recycling markets and other issues china as well as the issues in our country on contamination and its effects on the market.

Item #8: Presentation of Scholarship

David Biderman presented the Northern New England Chapter Scholarship to Taylor Dostie from Freeport High School.

Item #8: Closing Remarks Incoming Chairman

Matthew Frank thanked everyone for their support of the **ecomaine** organization. Chairman Frank noted that the future looks bright and yes there will be challenges but remains confident that we can continue to keep **ecomaine** strong.

Matthew pointed out the information tables with Recollect and **ecomaine** as well as our t-shirts made with recyclable plastic.

He asked for a motion to adjourn the annual meeting of **ecomaine**. Bill Donovan motioned to adjourn. The motion was seconded by Bob Randall. All in favor.

Board Members Present:

Dennis Abbott, Jeff Amatrudo, Maxine Beecher, Sherrie Benner, Anne Bilodeau, Linda Boudreau, Alan Bradstreet, Christopher Branch, Deb Cabana, Bill Donovan, Matthew Frank, Caleb Hemphill, Greg L'Heureux, Maureen McDevitt, Troy Moon, Dave Morton, Tony Plante, Nathan Poore, Bob Randall, Rod Regier, Bill Shane, Mike Shaw, Erik Street, Matthew Sturgis & Rob Wood

Memorandum

DATE: September 10, 2018
TO: Members of the Finance Committee
FROM: Kevin H. Roche, CEO
RE: Rates for FY 19 & FY 20

Each September, we review our 5 year financial plan with the Board and recommend rates for the following year. After a careful review of the cash flow projections for the next 5 years, staff is making the following recommendations on tipping fees:

- **Municipal Solid Waste (MSW):** The 5 year financial projections are showing a decrease in our cash position that will not meet our goals in our Cash Reserve Policy. In our review with the board last year, we discussed the need to keep annual rate increases for MSW at a reasonable level. Consistent with this expectation, staff is recommending that we increase the MSW tipping fees 3.5% (from \$70.50 to \$73 per ton) beginning July 1st, 2019. We will review the 5 year plan at the Committee meeting next week.
- Over the last 12 months, the recycling markets have deteriorated to unprecedented levels. Owner communities have been covering the increased recycling costs with our cash reserves. Unfortunately the market has not rebounded as hoped and China continues to ban many scrap imports. Due to the glut of paper in the market, staff is recommending that we begin charging \$15 per ton for single-sort recyclables beginning November 1, 2018 and then increase the recycling fee to \$35 per ton beginning July 1st, 2019. While tipping fees for recyclables have been free for many years, the new regulations combined with market forces have increased recycling costs for communities all over the world. We continue to have hope that demand for recyclables will improve in the near future.

<u>Revenues YTD- Compared to Budget and Last Year</u>						
Compared to Budget				Compared to Prior Year		
	Revenue YTD	Units	Revenue \$/Units	Revenue YTD	Units	Revenue \$/Units
Owner	↑ \$108,632	↑ 4%	↓ 1%	↑ \$56,401	↑ 2%	↓ 1%
Associate	↑ \$48,223	↑ 4%	↑ 1%	↑ \$42,226	↑ 3%	↑ 1%
Contract	↑ \$243,597	↑ 73%	↑ 1%	↑ \$216,797	↑ 60%	↑ 1%
Commercial	↑ \$532,544	↑ 9%	↑ 2%	↑ \$12,468	↑ 1%	↓ 1%
Spot	↓ \$379,304	↓ 31%	↑ 10%	↓ \$517,242	↓ 32%	↑ 2%
Recycling	↓ \$338,521	↑ 0%	↓ 25%	↓ \$1,400,696	↑ 0%	↓ 46%
Assessments/Rebates	\$0			\$0		
Electrical	↑ \$528,470	↓ 2%	↑ 17%	↑ \$509,026	↓ 2%	↑ 16%
Overall	↑ \$745,088			↓ \$1,104,252		

<u>Cash Expenses YTD</u>			
Expense	Status	% of Annual Budget	Notable Items Affecting Expenses YTD
Total Departmental Costs	↓	\$42,716	100%
<p>Unfavorable</p> <ul style="list-style-type: none"> * Temporary Labor (\$227k) - employee vacancies (laborers, truck driver, special projects) * Spare Parts (\$67k) - inventory adjustments * Building & Grounds (\$40k) - planting heating & extra pest control * Recycle Material (\$32k) - cardboard market remains strong * Food Waste Processing (\$49k) - more volume than expected * Vehicle Maintenance (\$58k) - older landfill equip: unexpected repairs * Consulting Svcs (\$42k) - feasibility study for regionalization <p>Favorable</p> <ul style="list-style-type: none"> * Major Repairs (\$84k) - timing of project start vs how cost budgeted * Chemicals (\$170k) - carbon & urea, usage & pricing * Landfill Closure (\$75k) - landfill life extended * Payroll & Benefits (\$103k) - vacant positions and favorable worker comp experience * Computer Maint. (\$29k) - timing on annual agreements * Shutdown Labor (\$55k) - Favorable conditions in the boiler and precipis * Cleaning (\$66k) - favorable operations * Water & Sewer (\$47k) - favorable use & storm water fees overbudgeted 			

<u>Revenue Less Expenses</u>	YTD vs. Budget YTD		YTD vs. Prior YTD	
	Rev. - Exp.	%	Rev. - Exp.	%
	↑ \$2,417,773	65%	↓ \$4,385,583	↓ 333%

<u>Cash Flow</u>	
Current Position	Notes
Cash on 7/1/2017	\$30,861,320
Cash Generated	\$2,183,253
Investments	\$1,255,031
Capital Expenditures	-\$3,964,027
Current Cash Position	\$30,335,576
	Decreased by -\$525,744

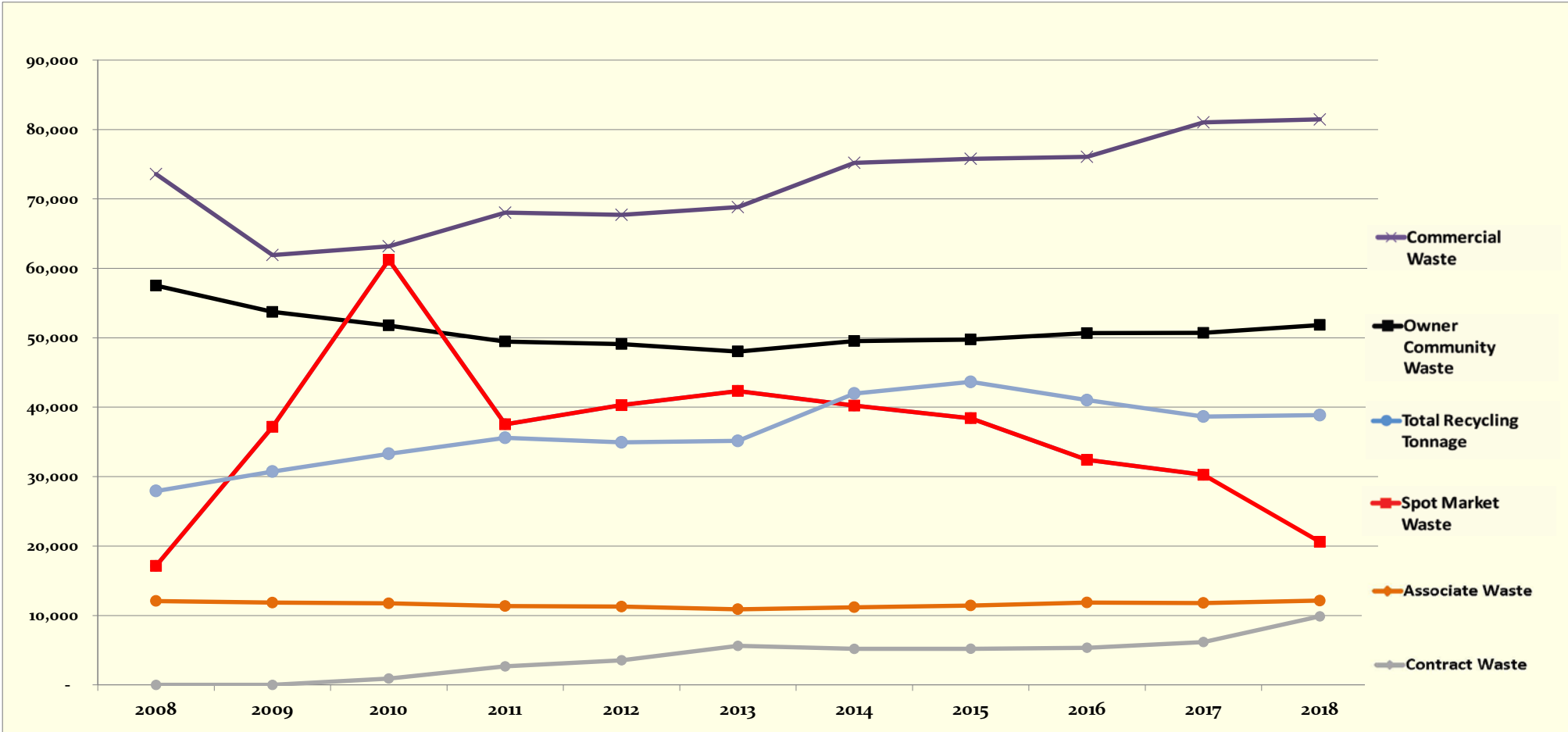
<u>Average WTE Operations</u>				
Month	Power Sold % Capacity	Avg. Boiler Availability %	Sales-MWHRs	Notes
May	92%	99%	8,293	
June	86%	93%	7,487	

<u>Food Waste YTD Tonnage</u>			
	Food Waste In	Food Waste Out	Food Waste Contaminates
Food Waste Tonnes	4,808	3,482	1357

<u>Recycling Markets</u>						
Materials	FY17 YTD Average	FY18 YTD Average	Variance			Current Prices
Cardboard	\$139	\$123	↓ -11%			\$85
Paper	\$89	\$4	↓ -96%			-\$43
Cans	\$125	\$166	↑ 33%			\$127
#2 Natural Plastic	\$619	\$709	↑ 15%			-
#2 Colored Plastic	\$346	\$361	↑ 4%			-
#1 PET Plastic	\$200	\$260	↑ 30%			-
Post Burn Metal	\$51	\$78	↑ 55%			\$96



June Year to Date Tonnage - FY18



2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
57,514	53,722	51,775	49,463	49,093	48,021	49,517	49,753	50,659	50,695	51,843	Owner Community Waste
12,076	11,842	11,746	11,349	11,264	10,902	11,175	11,439	11,863	11,798	12,136	Associate Waste
-	-	920	2,661	3,557	5,613	5,184	5,206	5,351	6,173	9,862	Contract Waste
73,581	61,916	63,179	68,021	67,705	68,824	75,201	75,778	76,072	81,024	81,449	Commercial Waste
17,138	37,176	61,233	37,541	40,292	42,332	40,232	38,411	32,416	30,249	20,609	Spot Market Waste
160,310	164,656	188,853	169,035	171,911	175,692	181,309	180,587	176,361	179,939	175,898	Total Waste
27,931	30,723	33,286	35,598	34,928	35,141	41,968	43,642	41,011	38,638	38,861	Recycling (Inbound)

Statistical Data June, 2018 (FY18)

	Actual - YTD			Year to Date 2018				Year to Date Vs. Last Year	
	2015	2016	2017	Actual	Budget	Var - Fav / (Unfav)		Var-Fav / (Unfav)	
						Units	%	Units	%
MSW - Tons									
Owner	49,753	50,659	50,695	51,843	49,947	1,896	3.8%	1,147	2.3%
Associate	11,439	11,863	11,798	12,136	11,714	422	3.6%	338	2.9%
Contract	5,206	5,351	6,173	9,862	5,715	4,147	72.6%	3,689	59.8%
Commercial	75,778	76,072	81,024	81,449	75,060	6,389	8.5%	425	0.5%
Spot	38,411	32,416	30,249	20,609	30,013	(9,404)	-31.3%	(9,640)	-31.9%
Total MSW	180,587	176,361	179,939	175,898	172,449	3,449	2.0%	(4,041)	-2.2%
Recycle - Tons									
Inbound - MRF only	43,642	41,011	38,638	38,861	39,565	(704)	-1.8%	223	0.6%
Outbound- MRF only including glass	38,722	35,621	35,161	35,165	35,006	159	0.5%	4	0.0%
Outbound- Post Burn	4,289	4,603	4,828	3,766	4,506	(740)	-16.4%	(1,062)	-22.0%
Outbound- Landfill Metal Mining	6,904	(24)	-	-	-	0		0	
Outbound Total	49,916	40,200	39,989	38,931	39,512	(581)	-1.5%	(1,058)	-2.6%
MSW - Revenue \$/Ton									
Owner	\$69.46	\$69.94	\$70.11	\$69.65	\$70.12	(\$0.47)	-0.7%	(\$0.46)	-0.7%
Associate	82.58	82.52	83.25	84.41	83.34	1.08	1.3%	1.16	1.4%
Contract	56.78	57.34	57.92	58.24	57.87	0.37	0.6%	0.32	0.6%
Commercial	67.49	69.19	69.72	69.20	68.00	1.20	1.8%	(0.52)	-0.7%
Spot	52.29	53.32	55.79	56.79	51.63	5.16	10.0%	1.00	1.8%
Total MSW	65.45	67.03	67.97	68.32	66.47	1.84	2.8%	0.34	0.5%
Recycle - Revenue \$/Ton									
\$/Ton Outbound (Includes glass/metals)	\$61.84	\$62.45	\$95.92	\$62.55	\$70.20	(\$7.65)	-10.9%	(\$33.37)	-34.8%
Energy									
MWH's Sold	77,550	92,744	86,573	84,544	86,453	(1,909)	-2.2%	(2,030)	-2.3%
\$/MWH	\$59.53	\$45.09	\$42.91	\$49.96	\$42.75	\$7.22	16.9%	\$7.05	16.4%
Steam Plant Capacity Factor %	85.6%	92.5%	90.1%	92.5%					
Average Boiler Availability %	90.6%	93.7%	93.3%	92.0%	90.0%				
Steam Plant Capacity Utilization %	94.0%	99.0%	96.5%	100.6%					
Power Capacity Factor %	73.0%	87.0%	81.4%	79.4%					
Power Sold - % of Capacity to Sell	73.0%	87.5%	81.7%	79.8%	81.6%				

Steam Plant Capacity Factor % - Steam from the two boilers as a % of the total unadjusted capacity (144,000 lbs./hour for time in period with no down time)

Average Boiler Availability % - Percent of hours that boilers are available to burn MSW during period - reflects time out of service for boilers due to equipment problems

Steam Plant Capacity Utilization % - Steam from the two boilers as a % of the adjusted capacity (144,000 lbs./hour for time in period less time not on MSW)

Power Capacity Factor % - Actual power produced (MWH's) by the turbine as a % of the rated capacity (14.1 MW's) for all hours in the period

Power Sold - % of Capacity to Sell - Power sold (MWH's) on grid as a % of the power available to sell (generation net of internal load -- 12.1 MW's) for the given time period

Statement of Revenue & Expenses June, 2018 (FY18)

	Actual - Prior Years YTD			Current Year To Date			FY18 to FY17
	2015	2016	2017	Actual	Budget	Variance	Variance
Operating revenues							
Municipal assessments & rebates	(\$1,000,003)	\$0	\$0	\$0	\$0	\$0	\$0
Owners tipping fees	3,455,911	3,543,278	3,554,488	3,610,889	3,502,256	108,632	56,401
Assoc. tipping fees	944,682	978,906	982,194	1,024,419	976,197	48,223	42,226
Contract tipping fees	295,585	306,831	357,524	574,321	330,724	243,597	216,797
Commercial tipping fees	5,114,351	5,263,778	5,649,092	5,636,624	5,104,080	532,544	(12,468)
Spot market tipping fees	2,008,508	1,728,293	1,687,510	1,170,268	1,549,571	(379,304)	(517,242)
Electrical generating revenues	4,616,876	4,182,191	3,715,051	4,224,077	3,695,607	528,470	509,026
Sales of recycled goods	2,956,003	2,369,969	3,806,555	2,165,413	2,668,767	(503,354)	(1,641,142)
Recycling tipping fees	130,981	140,644	29,296	269,741	104,908	164,834	240,446
Other operating income	98,434	103,117	101,695	103,401	101,955	1,446	1,706
Total operating revenues	\$18,621,329	\$18,617,008	\$19,883,404	\$18,779,153	\$18,034,065	\$745,088	(\$1,104,252)
Operating expenses							
Administrative expenses	2,631,993	2,520,240	2,518,887	2,744,265	2,702,057	(42,208)	(225,378)
Waste-to-energy operating expenses	9,222,332	8,946,000	9,371,777	9,750,003	9,994,480	244,477	(378,226)
Recycling operating expenses	2,088,193	2,173,789	2,203,746	2,496,567	2,422,716	(73,851)	(292,821)
Landfill/ashfill operating expenses	1,802,372	1,641,948	1,931,544	1,799,715	1,750,173	(49,542)	131,830
Contingency	0	0	0	0	200,000	200,000	0
Landfill closure & post-closure care costs	259,936	295,483	(2,182,480)	224,814	300,000	75,186	(2,407,295)
Post-retirement benefit - health Care	49,730	70,458	60,244	70,458	85,000	14,542	(10,214)
Depreciation & amortization	3,804,881	4,201,984	4,177,307	4,316,892	4,348,113	31,221	(139,585)
Total operating expenses	\$19,859,438	\$19,849,903	\$18,081,024	\$21,402,714	\$21,802,539	\$399,825	(\$3,321,689)
Net operating income	(\$1,238,109)	(\$1,232,895)	\$1,802,380	(\$2,623,561)	(\$3,768,474)	\$1,144,913	(\$4,425,941)
Non-operating income (expense)							
Non Investment Interest	48,352	35,662	36,584	49,340	33,820	15,520	12,756
Investment Income Net of Expenses	71,167	141,924	1,164,205	1,205,691	0	1,205,691	41,486
Misc. Income / (Expenses)	83,442	(68,836)	65,532	51,649	0	51,649	(13,884)
Net non-operating	\$202,961	\$108,750	\$1,266,322	\$1,306,680	\$33,820	\$1,272,860	\$40,358
Total Revenue Less Expenses	(\$1,035,148)	(\$1,124,146)	\$3,068,702	(\$1,316,881)	(\$3,734,654)	\$2,417,773	(\$4,385,583)

ecomaine								
Statement of Cash Balances June, 2018 (FY18)								
	12 Month Actuals @ 6/30				Bud FY 2018 @ 6/30/18	Act FY 18 @ 6/30/18	Reserves per policy	Reserve Target
	2014	2015	2016	2017				
Cash & Reserves - beginning of period	23,060,082	29,317,000	26,510,251	28,538,043	\$28,131,027	30,861,320		
Cash flows from operating activities:								
Net operating income	3,071,498	(1,238,109)	(1,232,895)	1,802,380	(3,768,567)	(2,623,561)		
Add back: depreciation	4,194,858	3,804,881	4,201,984	4,177,307	4,348,113	4,316,892		
Add back: landfill closure costs	239,704	259,936	295,483	(2,182,480)	300,000	224,814		
Add back: Post Retirement Benefit	95,461	49,730	70,458	60,244	85,000	70,458		
Other working capital changes	670,507	(41,673)	(859,134)	388,720		194,650		
Net cash provided by operating activities	8,272,028	2,834,765	2,475,896	4,246,170	964,546	2,183,253		
Cash flows from capital and related financing activities:								
Payment of interest	683	427	1,983	-	0	0		
Repayment of long-term debt	-	-	-	-	0	0		
Repayment of capital leases	-	-	-	-	0	0		
Net cash used in capital and related financing	683	427	1,983	-	0	0		
Cash flows from investing activities:								
Receipts of interest	42,693	48,352	35,662	36,584	33,820	49,340		
Investment income	-	71,167	141,924	1,164,205	0	1,205,691		
Capital expenditures	(2,058,485)	(5,761,460)	(2,147,288)	(3,123,683)	(4,512,950)	(3,964,027)		
Sale of Gorham Property			1,519,615					
Net cash used in investing activities	(2,015,792)	(5,641,941)	(450,087)	(1,922,894)	(4,479,130)	(2,708,996)		
Net increase (decrease) in cash	6,256,919	(2,806,749)	2,027,792	2,323,277	(3,514,584)	(525,744)		
Cash & Reserves - end of period	29,317,001	26,510,251	28,538,043	30,861,320	24,616,443	30,335,576		

Cash Reserve Detail								
Operating Cash Reserve	8,160,000	8,174,000	8,249,690	8,290,518	8,244,555	8,301,636	8,301,636	8,301,636
Landfill Closure Reserve		300,151	300,941	301,736	300,223	301,753	301,753	301,753
Discretionary Landfill Closure Reserve	3,052,000	3,922,780	6,214,445	7,712,419	8,138,790	9,789,027	9,789,027	22,217,000
Long Term Capital Reserve	4,006,000	4,049,713	4,057,653	4,520,183	4,225,641	4,984,354	4,984,354	4,984,354
Recycling Revenue & Cost Sharing		500,294	502,516	502,847	0	0	0	0
Short Term Capital Reserve	3,255,000	3,265,183	3,298,492	3,310,239	3,290,504	3,316,864	3,316,864	3,316,864
Bond Payment Reserves								
Debt Service Reserves								
Balance Operating Cash	10,844,000	6,298,130	5,914,305	6,223,377	416,730	3,641,942		
Total	\$29,317,000	\$26,510,251	\$28,538,043	\$30,861,320	\$24,616,443	\$30,335,576	\$26,693,634	\$39,121,606

July 1, 2017 to June 30, 2018

Community	Waste			Food Waste			Bulky/Other			Recycle			
	FY17	FY18	over/(under)	FY17	FY18	over/(under)	FY17	FY18	over/(under)	FY17	FY18	over/(under)	
BRIDGTON	2,238	2,344	106	-	-	-	186	90	(96)	550	535	(15)	
CAPE ELIZABETH	2,132	2,099	(32)	-	-	-	196	313	117	1105	1026	(79)	
CASCO	924	954	30	-	-	-	-	-	-	430	422	(8)	
CUMBERLAND	1,334	1,353	19	-	-	-	176	204	28	881	929	48	
FALMOUTH	2,012	2,024	12	-	-	-	137	127	(10)	1424	1472	48	
FREEPORT	1,543	1,525	(18)	-	-	-	-	-	-	733	830	97	
GORHAM	2,686	2,654	(32)	-	-	-	10	7	(2)	1149	1159	11	
GRAY	2,656	2,739	83	-	-	-	-	-	-	-	-	-	
HARRISON	913	916	3	-	-	-	-	-	-	186	186	(1)	
HOLLIS	1,100	1,102	2	-	-	-	-	-	-	284	291	6	
LIMINGTON	1,733	1,663	(70)	-	-	-	-	-	-	85	97	12	
LYMAN	1,281	1,280	(1)	-	-	-	132	195	63	259	231	(28)	
NORTH YARMOUTH	671	650	(21)	-	-	-	-	-	-	388	413	25	
PORTLAND	8,875	9,032	156	-	-	-	3	-	(3)	5646	5606	(41)	
POWNAI	231	238	7	-	-	-	-	-	-	143	144	1	
SCARBOROUGH	5,852	5,510	(342)	5	7	2	-	-	-	2422	2377	(45)	
SOUTH PORTLAND	6,139	5,788	(351)	8	46	39	569	1,380	811	2289	2277	(11)	
WATERBORO	2,005	2,082	77	-	-	-	349	541	192	458	461	3	
WINDHAM	2,328	2,394	66	-	-	-	-	14	14	1501	1464	(38)	
YARMOUTH	1,908	1,953	45	-	-	-	371	613	242	1132	1053	(80)	
Owner Member Total	48,560	48,300	(260)	13	54	41	2,128	3,485	1,357	21,065	20,972	(92)	
NAPLES	1,076	1,147	71	No Current Associate Member Food Waste Accounts			-	-	-	-	-	-	
PARSONFIELD	673	739	66					17	26	9	72	76	4
SACO	5,234	5,352	118					-	-	-	1,662	1,700	38
STANDISH	2,852	2,995	143					110	97	(13)	485	471	(14)
TRI-TOWN (BALDWIN, HIRAM & PORTER)	1,629	1,716	87					33	64	30	184	166	(19)
BALDWIN	543	572	29					11	21	10	61	55	(6)
HIRAM	543	572	29					11	21	10	61	55	(6)
PORTER	543	572	29				11	21	10	61	55	(6)	
Associate Member Total	11,464	11,949	485				160	187	26	2,404	2,413	9	
ANDOVER	-	-	-	No Current Contract Member or Spot Food Waste Accounts			-	-	-	44	46	2	
AUGUSTA	-	-	-					-	-	-	371	387	16
BROWNFIELD	-	-	-					-	-	-	89	95	6
CARMEL	-	-	-					-	-	-	45	55	11
CHEBEAGUE ISLAND	238	233	(5)					-	-	-	54	51	(3)
CHELSEA	-	-	-					-	-	-	-	7	7
CORNISH	-	-	-					-	-	-	48	46	(2)
ELIOT	327	349	22					184	184	-	-	-	-
ETNA	-	-	-					-	-	-	52	8	(43)
FRYEBURG	-	-	-					-	-	-	371	352	(18)
GLENBURN	-	-	-					-	-	-	103	97	(6)
GREENLAND, NH	-	-	-					11	-	(11)	379	367	(12)
JAY	-	-	-					-	-	-	258	221	(37)
KITTERY	1,930	1,866	(65)					-	-	-	-	-	-
LIMERICK	1,275	1,344	69					125	167	42	107	105	(2)
LIVERMORE FALLS	539	510	(29)					-	-	-	150	113	(37)
MANCHESTER	-	-	-				-	-	-	120	114	(6)	
MIDCOAST	-	1,428	1,428				-	-	-	-	15	15	
MONMOUTH	-	-	-				-	-	-	267	261	(6)	
NEWBURGH	-	-	-				-	-	-	41	56	15	
NEWINGTON	-	-	-				-	-	-	98	87	(11)	
NORTH HAVEN	203	200	(4)				-	-	-	81	71	(10)	
OHSTT	-	802	802				-	-	-	-	24	24	
OLD ORCHARD	-	77	77				-	1	1	709	667	(41)	
OTISFIELD	-	-	-				-	-	-	-	34	34	
POLAND	-	-	-				-	-	-	342	324	(18)	
READFIELD/WAYN	-	-	-				-	-	-	295	300	5	
ROCKLAND	-	1,166	1,166				-	-	-	-	-	-	
SANFORD	-	-	-				396	416	19	1,926	1,776	(150)	
SHAPLEIGH	-	-	-				-	-	-	66	134	68	
STETSON	-	-	-				-	-	-	29	31	2	
STOCKTON SPRINGS	-	-	-				-	-	-	39	8	(31)	
SWANS ISLAND	-	-	-				-	-	-	24	45	22	
TRI-COUNTY	-	245	245				-	-	-	-	-	-	
WATERVILLE	-	-	-				-	-	-	470	502	31	
WOOLWICH	843	875	32				-	-	-	236	229	(6)	
Contract Member Total	5,356	9,094	3,739				716	767	52	6,812	6,630	(183)	
Commercial Total	66,413	65,556	(856)	-	4,755	4,755	10,718	11,139	422	8,106	8,846	739	
Spot Market Total	29,596	20,609	(8,987)				-	-	-	-	-	-	
Grand Totals	161,389	155,509	(5,880)	13	4,808	4,796	13,722	15,578	1,857	38,387	38,861	474	

Historical Generation Summary

ATTACHMENT C7

Month / Year	Facility Availability	On Peak KWHs	Off Peak KWHs	Total KWHs	On Peak Rate	Off Peak Rate	Electricity Revenues	ISONE Market Revenues	ISONE Day Ahead Energy
Jul-16	93%	3,318,253	4,567,320	7,885,573	\$0.04774	\$0.02917	\$320,526	\$261,675	\$232,791
Aug-16	100%	4,112,891	4,298,937	8,411,828	\$0.04456	\$0.02726	\$329,344	\$317,529	\$288,645
Sep-16	97%	3,785,053	4,113,944	7,898,997	\$0.03851	\$0.02131	\$260,177	\$255,462	\$228,716
Oct-16	86%	3,266,909	3,705,698	6,972,607	\$0.03768	\$0.02712	\$250,342	\$181,060	\$154,314
Nov-16	91%	3,446,625	3,753,281	7,199,906	\$0.04217	\$0.03289	\$294,422	\$205,078	\$179,446
Dec-16	97%	3,310,435	4,033,021	7,343,456	\$0.04895	\$0.03806	\$341,175	\$415,306	\$389,673
Jan-17	96%	2,955,408	3,727,043	6,682,451	\$0.06833	\$0.05408	\$444,232	\$307,056	\$266,325
Feb-17	97%	2,789,835	3,055,834	5,845,669	\$0.06429	\$0.05131	\$372,331	\$206,816	\$170,638
Mar-17	91%	3,244,869	3,779,313	7,024,182	\$0.04843	\$0.03790	\$338,381	\$283,567	\$245,570
Apr-17	83%	2,824,082	3,954,688	6,418,770	\$0.03558	\$0.02618	\$231,780	\$202,464	\$174,699
May-17	93%	3,598,629	3,852,465	7,451,094	\$0.03023	\$0.02120	\$229,274	\$224,200	\$185,385
Jun-17	96%	3,651,175	3,797,778	7,448,953	\$0.03207	\$0.02129	\$284,508	\$270,207	\$183,647
Jul-17	93%	3,188,959	4,288,568	7,477,527	\$0.04147	\$0.02431	\$323,111	\$288,452	\$201,843
Aug-17	100%	3,842,246	4,205,082	8,047,328	\$0.03860	\$0.02194	\$328,177	\$282,647	\$195,040
Sep-17	100%	3,273,470	4,296,437	7,569,907	\$0.03700	\$0.01969	\$274,814	\$248,563	\$179,464
Oct-17	81%	2,754,238	3,508,041	6,262,279	\$0.03920	\$0.02151	\$242,520	\$242,336	\$183,239
Nov-17	94%	3,302,535	3,777,658	7,080,193	\$0.03620	\$0.02706	\$305,108	\$326,146	\$242,814
Dec-17	84%	2,562,192	3,747,691	6,309,883	\$0.05211	\$0.04169	\$371,530	\$538,471	\$456,698
Jan-18	98%	3,547,121	3,934,352	7,481,473	\$0.07706	\$0.05839	\$590,632	\$857,337	\$769,774
Feb-18	99%	3,193,218	3,680,503	6,873,721	\$0.08393	\$0.06922	\$603,125	\$346,139	\$265,785
Mar-18	86%	2,497,017	3,203,098	5,700,115	\$0.05411	\$0.04482	\$351,571	\$275,371	\$202,477
Apr-18	77%	2,793,025	3,186,637	5,979,662	\$0.03281	\$0.02437	\$248,399	\$331,361	\$252,259
May-18	99%	3,989,257	4,303,506	8,292,763	\$0.02829	\$0.01983	\$280,656	\$270,662	\$188,200
Jun-18	93%	3,420,182	4,066,778	7,486,960	\$0.02928	\$0.01989	\$295,386	\$312,080	\$197,726
Jul-18					\$0.03509	\$0.02258			
				84,561,811	Total for contract period		\$1,779,137	\$1,535,613	