



## Memorandum

**DATE:** January 14, 2021  
**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, January 21, 2021 @ 4PM**. The meeting will be held on Zoom Video Platform and the invite will be sent under separate cover. The agenda for this meeting is as follows:

1. Approval of the Minutes (*Attachment A*)
2. Finance & Audit Committee Report – Bill Shane, Chair
3. Approval – Lease Financing Resolution (*Attachment B1*)
  - Jensen Baird Gardner & Henry – Attorney Opinion (*Attachment B2*)
4. Outreach & Recycling Committee Report – Caleb Hemphill, Chair
5. Manager's Report
  - **Presentation – Environmental Report** – Anne Hewes, Ph.D., Environmental Manager
  - Update – Power Purchase Solicitation
  - Update – Solar at Landfill
  - Update – Recycling Markets
  - Legislative Update – LD 57 (*Attachment C*)

**Finance Report – FY 21 (Year to Date)**

- Financial Summary (*Attachment D1*)
  - Tonnage Summary (*Attachment D2*)
  - Statistical Data (*Attachment D3*)
  - Statement of Revenue & Expenses (*Attachment D4*)
  - Statement of Cash Balances (*Attachment D5*)
  - Summary Analysis of All Tons (*Attachment D6*)
  - Electrical Generation (*Attachment D7*)
6. Other Business:

**Future Committee Meetings:**

Outreach & Recycling Committee	02-11-2021 @ 3pm
Executive Committee	02-11-2021 @ 4pm
Full Board of Directors	03-18-2021 @ 4pm
Finance & Audit Budget Review	03-25-2021 @ 4pm
Full Board of Directors	04-15-2021 @ 4pm
Finance & Audit Committee	05-20-2021 @ 3pm
Executive Committee	05-20-2021 @ 4pm
Outreach & Recycling Committee	05-27-2021 @ 4pm
Annual Board of Directors Meeting	06-17-2021 @ 11:30am

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).)



Memorandum

ATTACHMENT A

**DATE:** October 29, 2020  
**TO:** Chairman and Members of the Board  
**FROM:** Kevin H. Roche, CEO/General Manager  
**SUBJECT:** Full Board of Directors Meeting Minutes – October 15, 2020

There was a Full Board of Directors Meeting held via Zoom Platform on the date noted above. The meeting was called to order by Mike Shaw, Chairman.

**Item #1:** Approval of the Minutes

Dave Durrell motioned to approve the minutes as written. The motion was second by Caleb Hemphill. All in favor.

Roll Call:

**Item # 2:** Finance & Audit Committee Report – Bill Shane, Chair

Bill Shane reported that the Finance & Audit Committee last met September 17, 2020 and the following items were reviewed and discussed:

- Cash Disbursements were reviewed from May 1, 2020 thru August 26, 2020 and found no issues or concerns to report.
- Amy Chasse from RKO presented a clean Audit Report for FY 20. For FY 21 Audit, the committee has requested that RKO provide an additional schedule to the Audit Report to include key trend lines for capital and cash requirements over the next 5 years as reflected in the 5 Year Plan.
- The committee reviewed and discussed the 5 year plan and discussed the upcoming FY21 rate increase (\$73.00 to \$75.50) that had been postponed (originally scheduled for 07-01-20) and will go into effect on January 1, 2021. The committee also reviewed and recommended FY22 rate increase (from \$75.50 to \$76.50) that will start on July 1, 2021.
- The committee discussed and recommended that **ecomaine** consider borrowing/leasing options for capital projects for the future years. The Committee recommended today's presentation/education session for the board to review the basics on borrowing and leasing options. Alyssa Tibbetts, bond counsel from Jensen Baird Gardner & Henry will review options following this report.
- Staff reviewed Financial Statements.

The Finance & Audit Committee will meet on November 17, 2020 and all are welcome to attend.

**ecomaine policies for borrowing:**

Kevin Roche provided the board with background on the purpose of today's borrowing educational session. Staff was tasked with investigating leasing and bonding options with legal counsel and provide an education session for board members. Staff looked at projects over the next couple of years that may lend themselves to the borrowing or leasing options for discussion. Alyssa Tibbetts presented the board with a presentation.

**Presentation – Alyssa Tibbetts, Jensen Baird Gardner & Henry – Borrowing Options/Opportunities**

Alyssa Tibbetts presented the Full Board on the legal requirements of borrowing. Some of the areas highlighted include:

- FAME Municipal Securities Approval Program
- **ecomaine's** Tax Status & Revenue obligations and authority
- Interlocal Solid Waste Agreements
- **ecomaine's** By-Laws
- Bonding & Leasing Options

In summation, Alyssa provided the board with the basics as well as tools to assist in evaluating and assessing future needs and next steps in borrowing and leasing.

**Recommendation:**

Bill Shane requested staff build models for bonding & leasing alternatives as reflected in our 5 Year plan for presentation with the following objectives:

- Staff to look at Capital Projects that are eligible for bonding & leasing.
- Assess current cash reserves.
- Compare current returns on investments vs. current interest rates.
- Review projects to determine if leasing or bank loans are an option.
- Consider costs of issuance of bonds.

The presentation was followed with Q & A session.

Mike Shaw requested the Finance Committee begin reviewing options.

The board recommended that capital projected reflected in the budget involving leasing be added to the agenda for board approval and that the finance committee continue these discussions with borrowing and leasing options.

**Approvals**

Mike Shaw, Chair requested a motion on the following:

Approval of FY 20 Audit

Approval of FY 22 increase in tipping fees from \$75.50 to \$76.50 effective July 1, 2021.

Matthew Frank motioned to approve the FY 20 Audit report. Bill Shane second the motion. All in favor.

Bill Shane motioned to approve the increase in tipping fees from \$75.50 to \$76.50 effective July 1, 2021. Motion was second by Caleb Hemphill. All in favor.

Bill Shane encouraged members to communicate the delayed rate change for FY 21 from July 1, 2020 to January 1, 2021.

**Item 3: Outreach & Recycling Committee Report – Caleb Hemphill, Chair**

Caleb reported that the Outreach & Recycling Committee last met on September 10, 2020 and provided the following highlights from the meeting:

**ecomaine** continues its education through the tagging program. Portland & Scarborough have joined Westbrook and South Portland in this effort to reduce contamination in recycling. Overall, the program is working well, and contamination levels have decreased.

School grants programs are now open, and we are accepting proposals through October 30, 2020. Please spread the word in your communities.

Education & Outreach is ongoing despite the pandemic. Metrics continue to be strong online particularly with the launch of our new website.

Caleb concluded his report and presented a slide show to the board of the winning entries from the Recycling is a Work of Art Contest.

**Item 4: Presentation of the Annual Report – Kevin Roche**

Kevin Roche presented the Annual Report. He recapped on the years accomplishments most specifically those accomplished during the pandemic.

**Item 5: Manager's Report – Kevin Roche**

Kevin reported out on the following:

- Landfill Incident – Release of leachate at the Toddle Inn Day Care due to a defective valve. The incident was reported out to the proper authorities. No health issues. Clean-up is un-going. Estimated cost at present is \$112,000. Following the brief, it was requested that staff check to see if we had any other landfill related claims in the past with our insurance provider.
- The Fall outage will begin 10/31/2020. We estimate the cost at 1.6 million.

We will be replacing equipment inside the boilers. During outage we will be bypassing to the juniper ridge landfill (approximately 4500 tons).

- Electric Trucks – Two electric trucks were purchased through the Lion Company. Staff and members of the board visited facilities in California and Canada and choose the Lion Company for our Electric Trucks. Delivery delayed based on modifications anticipation delivery 09/21.
- Solar and Landfill Project is ongoing. Just received today the information on the inner connection and from a glance it looks like the cost will be around \$900,000. Our estimated range was between \$750,000 and 1 Million. Additional information will be forthcoming.
- There was a brief discussion and Kevin asked board members to reach out to their communities if they have interest in becoming a partner in this solar effort. Rod Regier asked Kevin to summarize the solar project and send out to communities.
- Kevin provided an update on recycling markets which are currently showing positive results.
- Kevin reviewed the financials (rainbow summary).

Rod Regier made a motion to adjourn. The motion was second by Bill Shane. All in favor.

**Zoom Attended:**

Jeff Amatrudo, Dennis Abbott, Anne Bilodeau, Christopher Branch, Deb Cabana, John Cloutier, Dave Durrell, Matthew Frank, Jamie Garvin, Jim Hager, Caleb Hemphill, Greg L'Heureux, Troy Moon, Rod Regier, Heidi Richards, Bill Shane, Mike Shaw, Erik Street, Matthew Sturgis & Rob Wood

**Guests:**

Mark Bower, Don Gerrish, Robert Peabody & Alyssa Tibbetts

**Staff:**

Matthew Grondin, Don Hebert, Scott Miller, Denise Mungen & Kevin Roche

## ATTACHMENT B1

### ECOMAINE

#### A RESOLUTION AUTHORIZING THE LEASE FINANCING OF UP TO \$2,000,000

WHEREAS, ECO Maine (“ecomaine”), a noncapital stock, nonprofit corporation of the State of Maine, is authorized, pursuant to Title 13-B, Title 30-A, Chapter 115, Title 10, Chapter 110, Subchapter 4 and Title 38, Section 1304-B of the Maine Revised Statutes, by the Interlocal Solid Waste Agreement (the “Interlocal Agreement”) dated December 1, 2005, as amended, by and among the member municipalities of ecomaine (the “Participating Municipalities”), as approved by the Maine Department of Environmental Protection and the Office of the Maine Attorney General and filed with the Clerk of each Participating Municipality and the Maine Secretary of State, to issue notes, bonds, debentures or other debt obligations, and to otherwise borrow such sums of money as shall be required in order to finance costs associated with the solid waste disposal and resource recovery facilities, ancillary facilities and other facilities that ecomaine may build, operate or use in furtherance of its legal purposes and all activities leading or related to acquiring, constructing, reconstructing, improving, installing, equipping, financing and operating the same (the “System”); and

WHEREAS, the Board of Directors of ecomaine desires to authorize ecomaine to borrow on a capital lease or lease-purchase basis in principal amounts not to exceed \$2,000,000 outstanding at any one time (the “Lease”) in order to finance expenditures for the following purposes: equipment and facilities, including but not limited to, electric trucks, drum feeder, loaders, protective relays, forklifts, wash bay building and equipment, and/or other equipment and facilities as may identified in ecomaine’s capital improvement and expenditure plan to be used or located at any facility owned by ecomaine; and

WHEREAS, the Board of Directors of ecomaine is the body established and authorized under the Bylaws of ecomaine and the Interlocal Agreement to exercise the powers exercisable by ecomaine on behalf of the Participating Municipalities;

NOW THEREFORE, BE IT HEREBY RESOLVED BY THE BOARD OF DIRECTORS OF ECOMAINE AS FOLLOWS:

Section 1. Determination. The Board of Directors hereby determines that entering into the Lease and applying the proceeds thereof as provided above will improve the System, promote the regional solid waste management program for which ecomaine was created, serve a public purpose and provide a public benefit.

Section 2. Lease Documents Authorized. The Board hereby authorizes the Chair of ecomaine, or in the event of his absence, illness or other inability to act, the Vice-Chair or the Secretary, Treasurer or Chief Executive Officer of ecomaine to take all actions necessary to enter into any lease agreements and lease documents relating to the Lease (the “Lease Documents”). In addition, the Secretary or Treasurer of ecomaine is hereby authorized to attest the seal of ecomaine on the Lease Documents.

Section 3. Terms of the Lease. The Board hereby authorizes the Chief Executive Officer and the Director of Finance and Administration of ecomaine to determine the dates, maturities, denominations, interest rate or rates, place of payment, form and other details of the Lease and Lease Documents. The Chair of ecomaine, or in the event of his absence, illness or other inability to act, the Vice-Chair or the Secretary, Treasurer or Chief Executive Officer of ecomaine is hereby authorized to sign and deliver the Lease and Lease Documents on behalf of ecomaine. The Lease Documents shall be executed in the name of ecomaine by the Chair of ecomaine, or in the event of his absence, illness or other inability to act, the Vice-Chair or the Secretary, Treasurer or Chief Executive Officer of ecomaine, and be in such form and contain such terms and provisions, not inconsistent herewith, as the Chair of ecomaine, or in the event of his absence, illness or other inability to act, the Vice-Chair or the Secretary, Treasurer or Chief Executive Officer of ecomaine, may approve, his/her approval to be conclusively evidenced by his/her execution thereof. This Section 3 shall constitute the determination of the maturity date and interest rate or rates required by Title 10, Section 1064(2) of the Maine Revised Statutes, as amended.

The Lease shall be subject to annual appropriations and funded solely from annual revenues, and the Lease Documents shall contain provisions necessary and appropriate to ensure the same.

Section 4. Other Actions. In addition to the exercise of the powers authorized hereinabove, the Chair, the Vice-Chair, the Secretary, the Treasurer, the Chief Executive Officer and/or the Director of Finance and Administration of ecomaine are each hereby authorized to take any action and to execute and deliver any document necessary or convenient in order to consummate the transactions contemplated by the Lease and this resolution, including, without limitation, the execution of any additional closing certificates required to be executed by ecomaine in connection therewith.

Section 5. Tax Exempt Covenant. The Board hereby directs, in accordance with 10 M.R.S.A. 1071, and covenants that the Lease is hereby designated a Qualified Tax Exempt Obligation pursuant to Section 265(b) of the Internal Revenue Code. The Board hereby covenants that it will perform all acts within its power that are or may be necessary to ensure that the interest portion of the rental payments under the Lease shall at all times be and remain exempt from federal income taxation.

Section 6. This resolution shall take effect immediately upon its passage.

Dated: January 21, 2021.



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January 13, 2021

**Via email**

Kevin Roche  
Chief Executive Officer  
ecomaine  
64 Blueberry Road  
Portland, ME 04102

Re: Authority to Issue Debt

Dear Kevin:

This letter is written in response to the request for an opinion regarding the authority of ecomaine to enter into a lease-financing arrangement. Article IV, Section 13 of the Bylaws of ecomaine provide that the Board must approve making, financing or refinancing any expenditure, the cost of which in the opinion of the Board is too great to be met from annual revenues, by a vote of three-fourths (3/4) of the total Voting Interests of the Directors.

Based on this provision of the bylaws, it is my opinion that ecomaine may enter into lease-financing arrangements without the authorization of three-fourths (3/4) of the total Voting Interest of the Directors. This can be accomplished by a simple majority (vs. a supermajority) vote of the Directors authorizing ecomaine to enter into a lease-purchase financing arrangement. Both actions can be done by vote of the Directors (i.e., a resolution); the difference being the number of votes required to pass the resolution.

Sections 5 of the Interlocal Solid Waste Agreement between ecomaine and the participating municipalities dated December 1, 2005 (the "Interlocal Agreement") states that the Board may exercise the powers necessary to accomplish the purposes of the agreement, among which, is the power to borrow sums of money on such terms and conditions as it deems desirable or necessary for said purpose (Section 5G) and to issue notes, bonds or other debt obligations as authorized under Title 10, Chapter 110, Subchapter 4 of the Maine Revised Statutes (Section 5L).

~ Over 60 Years of Service ~



Jensen Baird  
Gardner Henry

January 13, 2021  
Page 2

The primary distinction between the lease-financing arrangement and traditional long term debt is primarily the existence of a non-appropriation clause in the lease-financing documents. The non-appropriation clause commits ecomaine to the debt service from year to year subject to annual appropriation through the organization's normal budget process. By virtue of this clause, ecomaine is not obligated to a long-term debt service. Without such a clause, the financing would be considered a long-term debt for which ecomaine is committing to make debt service payments for a period greater than the current fiscal year. In contrast to a lease-purchase financing, long-term debt issuance requires a supermajority vote of the Board pursuant to Section 13, Article IV of the Bylaws.

I cannot offer a legal opinion as to whether the corporation should utilize long-term or short-term debt vs. a lease-financing arrangement as the decision as to how to finance capital projects is really at the discretion of the corporation, and ultimately the Board as the policy making body of the corporation responsible for the business and affairs of the corporation; however, lease-financing is a useful option for a quasi-public entity such as ecomaine to borrow funds for capital projects.

Please let me know if I can provide any further information regarding this matter. Thank you.

Sincerely,

A handwritten signature in blue ink that reads "Alyssa C. Tibbetts". The signature is written in a cursive style with a light blue circular highlight around it.

Alyssa C. Tibbetts



# 130th MAINE LEGISLATURE

## FIRST REGULAR SESSION-2021

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Legislative Document

No. 57

H.P. 23

House of Representatives, January 13, 2021

### An Act To Reduce the Landfilling of Municipal Solid Waste

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Received by the Clerk of the House on January 11, 2021. Referred to the Committee on Environment and Natural Resources pursuant to Joint Rule 308.2 and ordered printed pursuant to Joint Rule 401.

Handwritten signature of Robert B. Hunt in cursive.

ROBERT B. HUNT  
Clerk

Presented by Representative TUCKER of Brunswick.  
Cosponsored by Senator CHIPMAN of Cumberland.

1 **Be it enacted by the People of the State of Maine as follows:**

2 **Sec. 1. 38 MRSA §2203-A, sub-§1**, as amended by PL 2015, c. 461, §8, is further  
3 amended to read:

4 **1. Fees.** Unless otherwise provided by rule adopted in accordance with subsection 3,  
5 fees are imposed in the following amounts to be levied for solid waste that is disposed of  
6 at commercial, municipal, state-owned and regional association landfills.

7 Asbestos	\$5 per cubic 8 yard
9	
10 Oil-contaminated soil, gravel, brick, concrete and other aggregate	\$25 per ton
11	
12 Waste water facility sludge	\$5 per ton
13	
14 Ash, coal and oil	\$5 per ton
15	
16 Paper mill sludge	\$5 per ton
17	
18 Industrial waste	\$5 per ton
19	
20 Sandblast grit	\$5 per ton
21	
22 All other special waste	\$5 per ton
23	
24 Municipal <u>solid waste or municipal</u> solid waste ash	\$1 per ton
25	
26 Front end process residue (FEPR)	\$1 per ton
27	
28	
29	
30 Construction and demolition debris and residue from the processing of	\$2 per ton
31 construction and demolition debris	

32 **Sec. 2. 38 MRSA §2204**, as amended by PL 2015, c. 461, §§10 and 11, is repealed.

33 **SUMMARY**

34 This bill repeals the existing \$2 per ton municipal solid waste surcharge statute in the  
35 laws governing solid waste management. It also amends the State's waste handling fee  
36 statute to impose a \$1 per ton disposal fee on all municipal solid waste disposed of at a  
37 commercial, municipal, state-owned or regional association landfill.

**Environmental Natural Resource Committee**

<b>Senators</b>							
<b>First Name</b>	Last Name	Address	City	State	Zip Code	e_mail	Representation
Richard	Bennett	75 Bennett Lane	Oxford	ME	04268	<a href="mailto:Richard.Bennett@legislature.maine.gov">Richard.Bennett@legislature.maine.gov</a>	Representing Senate District 19: Bridgton, Brownfield, Denmark, Fryeburg, Harrison, Hiram, Naples, North Fryburg, Norway, Otisfield, Oxford, Paris, Porter, Sebago, South Hiram, and South Paris.
Anne	Carney	21 Angell Point Road	Cape Elizabeth	ME	04107	<a href="mailto:Anne.Carney@legislature.maine.gov">Anne.Carney@legislature.maine.gov</a>	Representing Senate District 29: Cape Elizabeth, South Portland, and part of Scarborough.
Stacy	Brenner	388 Broadturn Road	Scarborough	ME	04074	<a href="mailto:Stacy.Brenner@legislature.maine.gov">Stacy.Brenner@legislature.maine.gov</a>	Representing Senate District 30: Bar Mills, Gorham, part of Buxton, part of Scarborough, and West Scarborough.
<b>Representatives</b>							
Bell	Arthur L.	14 Altantic Reach	Yarmouth	ME	04096	<a href="mailto:abell9086@aol.com">abell9086@aol.com</a>	Representing: Chebeague Island, Long Island & Yarmouth.
Blume	Lydia	P.O. Box 1738	York	ME	03910	<a href="mailto:lydiablume@gmail.com">lydiablume@gmail.com</a>	Representing: York (Part)
Doudera	Victoria W.	18 Trim Street	Camden	ME	04843	<a href="mailto:vdoudera@gmail.com">vdoudera@gmail.com</a>	Representing: Camden, Islesboro & Rockport
Gramlich	Lori Kathryn	154 Temple Avenue	Old Orchard Beach	ME	04064	<a href="mailto:gramlich4statehouse@gmail.com">gramlich4statehouse@gmail.com</a>	Representing: Old Orchard Beach
Hanley	Jeffrey P.	52 Turner Drive	Pittston	ME	04345	<a href="mailto:19woody51@myfairpoint.net">19woody51@myfairpoint.net</a>	Representing: Alna, Pittston, Radnolph & Wiscasset
Johansen	Chris A.	462 Fletcher Road	Monticello	ME	04760	<a href="mailto:chrisjohansen145@aol.com">chrisjohansen145@aol.com</a>	Representing: Berwick, North Berwick (Part)
O'Connor	Beth A.	66 Pine Hill MHP	Berwick	ME	03901	<a href="mailto:libertymom1@msn.com">libertymom1@msn.com</a>	Representing: Berwick and North Berwick (part)
Tucker	Ralph L.	15 McKeen Street	Brunswick	ME	04011	<a href="mailto:ralph.tucker@zwi.net">ralph.tucker@zwi.net</a>	Representing: Brunswick
Tuell	William R.	431 Hadley Lake Road	East Machias	ME	04630	<a href="mailto:redsox38@mgemaine.com">redsox38@mgemaine.com</a>	Representing: Cutler, East Machias, Eastport, Lubec, Machias, Machiasport, Roque Bluffs and Whiting, plus the unorganized territory of Trescott Township
Zeigler, Jr.	Stanley Paige	60 Freedom Pond Road	Montville	ME	04941	<a href="mailto:votezeigler96@gmail.com">votezeigler96@gmail.com</a>	Representing: Belmont, Liberty, Lincolnville, Montville, Morrill, Palermo & Searsmont

# ATTACHMENT D1

## Financial Summary December, 2020 (FY2021)

Revenues Year-to-Date - Compared to Budget and Last Year						
	Compared to Budget			Compared to Prior Year		
	Revenue Year-to-Date	Units	Revenue \$/Units	Revenue Year-to-Date	Units	Revenue \$/Units
Owner	\$147,306	7%	0%	\$134,270	7%	(1%)
Associate	53,578	11%	(1%)	60,515	11%	(0%)
Contract	250,494	34%	5%	258,029	34%	7%
Commercial	(130,937)	(3%)	(0%)	31,884	(4%)	5%
Spot	(40,529)	(25%)	(2%)	(32,414)	(25%)	3%
Recycling	668,456	1%	68%	602,360	7%	49%
Electrical	188,790	12%	(0%)	(119,732)	12%	(17%)
Overall	\$1,131,037			\$921,884		

Cash Expenses Year-to-Date			
Expense	Status	% of Annual	Notable Items Affecting Expenses Year-to-Date
			<b>Favorable</b> *WTE Annual Maintenance \$105k: Some reduced cost due to CIP projects Refractory and Cyclone repairs *Recy Temporary Labor \$87k: available staffing from agency is insufficient; hard to retain temp laborers *Admin Public Relations \$64k: covid restrictions *WTE Major Repairs \$33k: Timing on Shutdown trailer *WTE Outside Services \$29k: favorable useage
Total Departmental Costs	\$62,779	49%	<b>Unfavorable</b> *WTE Waste Disposal (\$177k): bypass for outage; more tonnage than budgeted *Landfill Major Repairs (\$100k): 2 leachate spills: remediation *WTE Replacement Spare Sparts (\$37k): *Recycling Replacement Spare Parts(\$30k): eddy current repair work: not budgeted for FY21 *WTE Industrial Cleaning (\$28k): Increased boiler cleanings

EBITDA Comparison			
	Current	Budget	Prior Year
Balances as of 12/31/2020	\$4,821,267	\$892,000	\$3,255,756

Cash Position			
	Operations	Reserves	Notes
Beginning Cash Balances	\$3,292,237	\$22,445,214	
Cash Generated	1,529,193	0	
Non-Operating Income	0	2,870,724	
Capital Expenditures	(1,452,716)	0	
Ending Cash Balances	\$3,392,649	\$25,292,003	

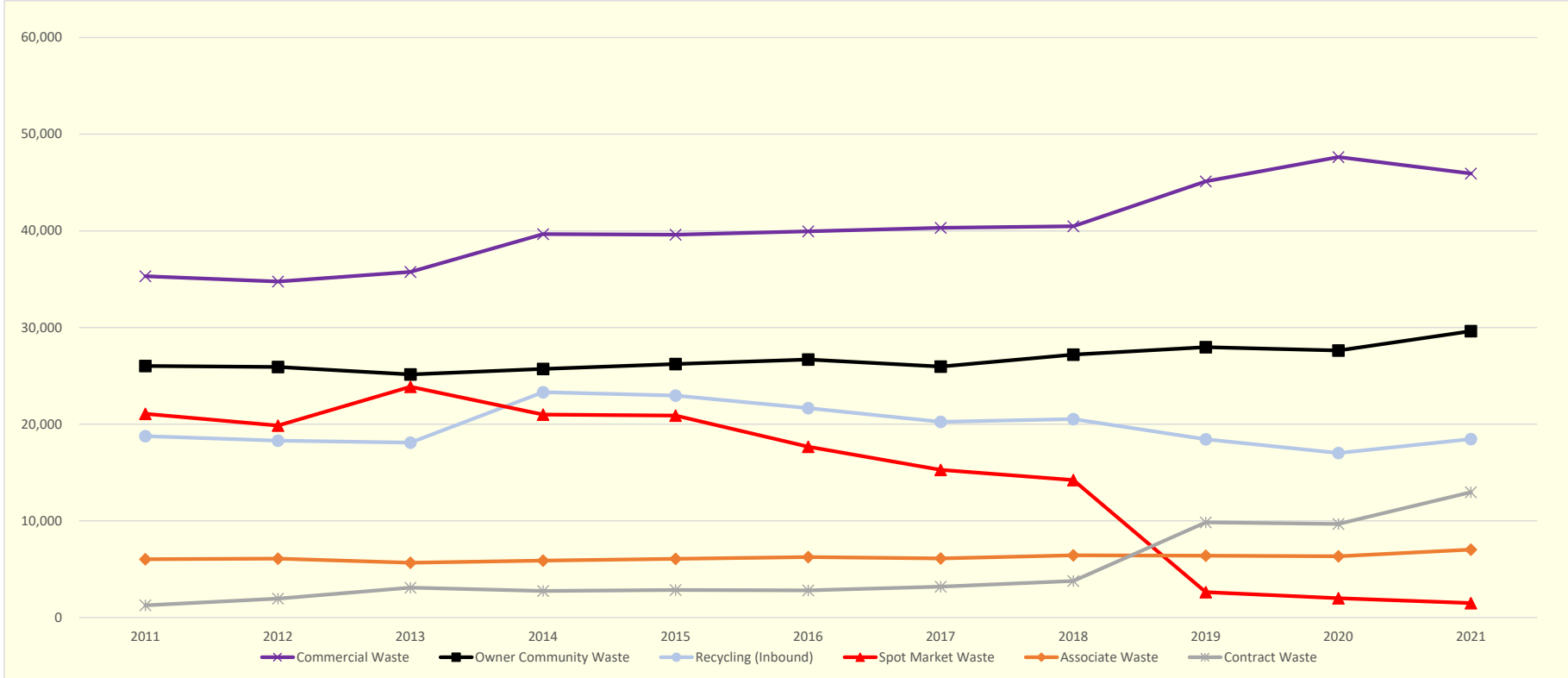
Average WTE Operations				
Month	Power Sold % Capacity	Average Boiler Availability %	Sales - MWHrs	Notes
November	67%	75%	5,826	
December	91%	97%	8,149	

Food Waste Year-to-Date Tonnage					
	Food Waste In		Food Waste Out		Food Waste Conlaminates
Food Waste Tonngages	2,323		2,209		947

Recycling Markets						
Material		FY2020 YTD Average	FY2021 YTD Average	Variance		Next Month Projected Prices
Cardboard		\$43	\$64	51%		\$65
Paper		(28)	(3)	89%		35
Cans		86	116	36%		250
#2 Natural Plastic		821	1,217	48%		1,350
#2 Colored Plastic		293	268	(8%)		410
#1 PET Plastic		141	103	(27%)		150
Post Burn Metal		31	46	47%		65

ATTACHMENT D2

ecomaine  
**Incoming Tonnage Chart**  
 Fiscal Year-to-Date Comparison as of December 31, 2020 (FY2021)



	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>Owner Community Waste</b>	26,018	25,917	25,152	25,723	26,221	26,696	25,970	27,208	27,980	27,637	29,627
<b>Associate Waste</b>	6,035	6,096	5,672	5,893	6,083	6,266	6,109	6,441	6,407	6,341	7,030
<b>Contract Waste</b>	1,265	1,951	3,088	2,754	2,863	2,822	3,199	3,779	9,855	9,682	12,971
<b>Commercial Waste</b>	35,303	34,760	35,761	39,675	39,617	39,962	40,325	40,477	45,113	47,638	45,933
<b>Spot Market Waste</b>	21,077	19,865	23,878	20,999	20,887	17,668	15,273	14,232	2,624	1,994	1,499
<b>Total Waste</b>	89,698	88,589	93,551	95,044	95,671	93,412	90,876	92,136	91,979	93,292	97,060
<b>Recycling (Inbound)</b>	18,775	18,298	18,101	23,316	22,956	21,676	20,248	20,532	18,447	17,022	18,455

Last Modified Date: 01/12/2020 09:13 AM

Last Data Merge Date: 01/12/2020 09:13 AM

## ATTACHMENT D3

ecomaine									
Statistical Data									
as of December 31, 2020 (FY2021)									
Category	Actual Year-to-Date			Year-to-Date FY2021				YTD vs Last YTD	
	2018	2019	2020	Actual	Budget	Variance Fav/(Unfav)		Variance Fav/(Unfav)	
						Units	%	Units	%
<b>MSW - Tons</b>									
Owner	27,208	27,980	27,637	29,627	27,628	1,999	7%	1,990	7%
Associate	6,441	6,407	6,341	7,030	6,340	691	11%	690	11%
Contract	3,779	9,855	9,682	12,971	9,670	3,301	34%	3,289	34%
Commercial	40,477	45,113	47,638	45,933	47,581	(1,648)	(3%)	(1,705)	(4%)
Spot	14,232	2,624	1,994	1,499	1,994	(495)	(25%)	(495)	(25%)
Total MSW	92,136	91,979	93,292	97,060	93,213	3,847	4%	3,768	4%
<b>Recycle - Tons</b>									
Inbound - MRF only	20,532	18,447	17,022	18,455	17,036	1,419	8%	1,433	8%
Outbound- MRF only including glass	18,188	16,528	14,986	15,989	15,787	202	1%	1,003	7%
Outbound- Post Burn	2,014	1,855	1,785	2,888	1,783	1,105	62%	1,104	62%
Outbound- Landfill Metal Mining	0	0	0	0	0	0	0%	0	0%
Outbound Total	20,202	18,382	16,770	18,878	17,570	1,308	7%	2,107	13%
<b>MSW - Revenue \$/Ton</b>									
Owner	\$69.68	\$69.81	\$73.45	\$73.05	\$73.00	\$0.05	0%	(\$0.40)	(1%)
Associate	84.55	87.10	88.24	88.19	89.35	(1.16)	(1%)	(0.05)	(0%)
Contract	50.43	60.68	62.15	66.29	63.01	3.28	5%	4.13	7%
Commercial	68.60	69.91	73.44	76.86	76.95	(0.09)	(0%)	3.42	5%
Spot	56.22	70.50	72.91	75.39	76.98	(1.60)	(2%)	2.47	3%
Total MSW	\$67.38	\$70.11	\$73.26	\$75.08	\$75.18	(\$0.10)	(0%)	\$1.82	2%
<b>Recycle - Revenue \$/Ton</b>									
\$/Ton - MRF Only Revenue	69.98	32.44	40.84	56.02	45.91	10.11	22%	15.18	37%
<b>Energy</b>									
MWH's Sold	42,729	42,357	40,466	45,405	40,466	4,940	12%	4,940	12%
\$/MWH	\$44.29	\$47.03	\$46.46	\$38.77	\$38.84	(\$0.07)	(0%)	(\$7.69)	(17%)
Steam Plant Capacity Factor %	92%	93%	85%	89%					
Average Boiler Availability %	84%	97%	93%	97%	91%				
Steam Plant Capacity Utilization %	98%	90%	91%	95%					
Power Capacity Factor %	69%	81%	76%	91%					
Power Sold - % of Capacity to Sell	70%	81%	75%	91%	76%				

**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

**ATTACHMENT D4**

ecomaine							
Statement of Revenue & Expenses							
as of December 31, 2020 (FY2021)							
Category	Fiscal Year Actuals on 12/31			Current Year To Date			FY21 & FY20
	2018	2019	2020	Actual	Budget	Variance	Variance
<b>Operating Revenues</b>							
Owner Member Tipping Fees	\$1,895,797	\$1,953,267	\$2,029,886	\$2,164,156	\$2,016,850	\$147,306	\$134,270
Associate Member Tipping Fees	544,559	558,044	559,525	620,040	566,462	53,578	60,515
Contract Member Tipping Fees	190,574	598,033	601,748	859,777	609,283	250,494	258,029
Commercial Tipping Fees	2,776,798	3,153,900	3,498,389	3,530,273	3,661,210	(130,937)	31,884
Spot Market Tipping Fees	800,157	185,006	145,423	113,009	153,538	(40,529)	(32,414)
Electrical Power Revenues	1,892,551	1,992,223	1,880,113	1,760,381	1,571,591	188,790	(119,732)
Sales of Recycled Goods	1,535,777	780,358	390,845	838,155	321,747	516,408	447,310
Recycling Tipping Fees	68,131	194,955	626,343	781,392	629,344	152,048	155,050
Other Operating Income	51,475	52,586	61,081	48,052	54,174	(6,122)	(13,028)
<b>Total Operating Revenues</b>	<b>\$9,755,819</b>	<b>\$9,468,372</b>	<b>\$9,793,352</b>	<b>\$10,715,236</b>	<b>\$9,584,199</b>	<b>\$1,131,037</b>	<b>\$921,884</b>
<b>Operating Expenses</b>							
Administrative Expenses	1,327,806	1,366,415	1,481,186	1,428,373	1,524,340	95,967	52,814
Waste-to-Energy Expenses	4,584,510	4,549,897	4,953,250	5,334,757	5,272,087	(62,670)	(381,507)
Recycling Expenses	1,178,877	1,248,784	989,762	1,082,357	1,192,191	109,834	(92,595)
Landfill Expenses	830,065	929,690	761,623	934,406	854,053	(80,353)	(172,783)
Contingency	0	0	0	0	124,998	124,998	0
<b>Total Operating Expenses</b>	<b>\$7,921,258</b>	<b>\$8,094,786</b>	<b>\$8,185,821</b>	<b>\$8,779,892</b>	<b>\$8,967,669</b>	<b>\$187,777</b>	<b>(\$594,072)</b>
<b>Net Operating Income</b>	<b>\$1,834,561</b>	<b>\$1,373,586</b>	<b>\$1,607,532</b>	<b>\$1,935,344</b>	<b>\$616,530</b>	<b>\$1,318,814</b>	<b>\$327,812</b>
<b>Non-Operating Income (Expense)</b>							
Non Investment Interest	22,589	24,259	41,592	23,935	22,968	967	(17,658)
Investment Income Net of Expenses	823,828	(125,552)	1,591,883	2,846,789	250,000	2,596,789	1,254,906
Misc. Income / (Expenses)	3,367	18,061	14,749	15,200	2,502	12,698	451
<b>Net Non-Operating</b>	<b>\$849,784</b>	<b>(\$83,232)</b>	<b>\$1,648,224</b>	<b>\$2,885,923</b>	<b>\$275,470</b>	<b>\$2,610,453</b>	<b>\$1,237,699</b>
<b>Net Income (EBITDA)</b>	<b>\$2,684,345</b>	<b>\$1,290,354</b>	<b>\$3,255,756</b>	<b>\$4,821,267</b>	<b>\$892,000</b>	<b>\$3,929,267</b>	<b>\$1,565,511</b>

Note: Budget column could change for some departments due to monthly allocation of expenses

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**ATTACHMENT D5**

ecomaine								
Statement of Cash Balances								
as of December 31, 2020 (FY2021)								
Category	12 Month Actuals @ 6/30				Actual FY2021 @ 12/31/20	Budget FY2021 @ 6/30/21	Reserves per policy	Reserve Target
	2017	2018	2019	2020				
Cash & Reserves - Beginning of Period	\$28,538,043	\$30,861,320	\$30,335,576	\$27,351,217	\$25,737,451	\$24,841,816		
Cash Flows from Operating Activities:								
Net Operating Income	15,484,696	14,027,862	14,140,329	14,635,056	1,935,344	1,281,779		
Other Working Capital Changes	(11,238,525)	(11,635,881)	(11,683,049)	(13,347,972)	(406,150)	0		
Net Cash Provided by Operating Activities	\$4,246,171	\$2,391,981	\$2,457,280	\$1,287,084	\$1,529,193	\$1,281,779		
Cash Flows from Capital and related Financing Activities:								
Payment of Interest	0	0	0	0	0	0		
Repayment of Long-Term Debt	0	0	0	0	0	0		
Repayment of Capital Leases	0	0	0	0	0	0		
Net Cash Used in Capital and related Financing	\$0	\$0	\$0	\$0	\$0	\$0		
Cash Flows from Investing Activities:								
Receipts of Non Investment Interest	36,584	49,340	68,278	73,622	23,935	90,938		
Investment Income Net of Expenses	1,164,205	1,205,691	1,485,070	1,266,510	2,846,789	500,000		
Capital Expenditures	(3,123,683)	(4,172,755)	(6,994,987)	(4,240,982)	(1,452,716)	(4,975,900)		
Sale of Gorham Property								
Net Cash Used in Investing Activities	(\$1,922,894)	(\$2,917,724)	(\$5,441,639)	(\$2,900,849)	\$1,418,007	(\$4,384,962)		
Net Increase (Decrease) in Cash	2,323,277	(525,743)	(2,984,359)	(1,613,766)	2,947,200	(3,103,183)		
Cash & Reserves - End of Period	\$30,861,320	\$30,335,576	\$27,351,217	\$25,737,451	\$28,684,652	\$21,738,633		

Statement of Cash Balances								
Operating Cash Reserve	\$8,290,518	\$8,301,636	\$4,368,193	\$3,441,400	\$3,450,520	\$2,792,462	\$3,450,520	\$3,450,520
Landfill Closure Reserve	301,736	301,753	309,601	314,820	315,511	2,097,777	315,511	315,511
Discretionary Landfill Closure Reserve	7,712,419	9,789,027	10,546,784	11,257,570	13,139,381	3,000,000	13,139,381	22,217,000
Long Term Capital Reserve	4,520,183	4,984,354	5,356,350	5,724,959	6,675,983	10,546,784	6,675,983	6,675,983
Recycling Revenue & Cost Sharing	502,847	0	0	0	0	301,610	0	0
Short Term Capital Reserve	3,310,239	3,316,864	2,597,777	1,706,465	1,710,608	0	1,710,608	1,710,608
Operating Cash	6,223,377	3,641,942	4,172,513	3,292,237	3,392,649	3,000,000		
Total	\$30,861,320	\$30,335,576	\$27,351,217	\$25,737,451	\$28,684,652	\$21,738,633	\$25,292,003	\$34,369,622

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Summary Analysis of All Tons (Waste/Food Waste - Bulky - Recycle)

July 1, 2020 to December 31, 2020

Community	Waste/ Food Waste			Bulky/Other			Recycle		
	FY20	FY21	over/(under)	FY20	FY21	over/(under)	FY20	FY21	over/(under)
BRIDGTON	1,348	1,029	(319)	79	-	(79)	288	290	2
CAPE ELIZABETH	1,173	1,284	111	305	261	(44)	445	491	46
CASCO	479	523	44	-	-	-	92	105	13
CUMBERLAND	766	884	118	100	146	46	407	388	(19)
FALMOUTH	1,089	1,242	152	82	95	13	677	753	76
FREEPORT	827	933	106	-	-	-	402	428	26
GORHAM	1,520	1,516	(5)	2	-	(2)	513	716	203
GRAY	1,444	1,533	90	-	-	-	-	-	-
HARRISON	538	569	31	-	-	-	96	114	18
HOLLIS	604	679	75	-	-	-	131	135	5
LIMINGTON	696	758	62	-	-	-	50	55	5
LYMAN	767	825	58	146	190	44	112	105	(6)
NORTH YARMOUTH	335	399	64	-	-	-	185	226	41
PORTLAND	4,551	4,957	406	-	-	-	2518	2783	264
POWNA	130	134	4	-	-	-	59	69	10
SCARBOROUGH	2,878	3,388	510	-	-	-	1082	1140	57
SOUTH PORTLAND	2,919	3,260	341	699	490	(209)	1106	1177	70
WATERBORO	1,083	1,213	131	232	279	47	190	189	(1)
WINDHAM	1,335	1,506	171	-	3	3	660	730	70
YARMOUTH	1,114	1,186	72	396	338	(59)	391	388	(3)
<b>Owner Member Total</b>	<b>25,596</b>	<b>27,817</b>	<b>2,221</b>	<b>2,041</b>	<b>1,802</b>	<b>(239)</b>	<b>9,405</b>	<b>10,281</b>	<b>876</b>
NAPLES	571	685	115	-	-	-	112	136	24
PARSONFIELD	362	395	33	12	8	(4)	38	40	2
SACO	2,861	3,060	199	-	-	-	794	898	104
STANDISH	1,491	1,695	204	68	96	28	229	240	11
TRI-TOWN (BALDWIN, HIRAM & PORTER)	931	1,084	153	46	8	(38)	94	97	3
BALDWIN	310	361	51	15	3	(13)	31	32	1
HIRAM	310	361	51	15	3	(13)	31	32	1
PORTER	310	361	51	15	3	(13)	31	32	1
<b>Associate Member Total</b>	<b>6,215</b>	<b>6,919</b>	<b>704</b>	<b>126</b>	<b>111</b>	<b>(14)</b>	<b>1,267</b>	<b>1,411</b>	<b>145</b>
AUGUSTA	-	-	-	-	-	-	180	149	(31)
BROWNFIELD	312	313	-	-	-	-	42	51	9
CARMEL	-	-	-	-	-	-	17	-	(17)
CHEBEAGUE ISLAND	160	116	(44)	-	-	-	18	24	6
CHELSEA	-	-	-	-	-	-	13	15	2
CORNISH	-	-	-	-	-	-	25	28	3
DENMARK	-	142	142	-	-	-	-	8	8
ELIOT	186	204	18	131	121	(10)	-	81	81
FRYE ISLAND	61	107	46	-	-	-	15	23	8
FRYEBURG	-	-	-	-	-	-	162	175	13
GLENBURN	-	-	-	-	-	-	48	-	(48)
GREENLAND, NH	-	-	-	-	-	-	178	194	17
KITTERY	947	1,019	72	-	-	-	-	-	-
LIMERICK	730	817	87	56	85	28	40	47	8
LIVERMORE FALLS	250	281	32	-	-	-	40	41	1
MIDCOAST	3,078	3,183	106	-	-	-	-	-	-
MONMOUTH	-	-	-	-	-	-	129	136	7
MOUNT VERNON	-	-	-	-	-	-	-	20	20
NEWBURGH	-	-	-	-	-	-	21	-	(21)
NEWINGTON	-	-	-	-	-	-	44	46	2
NORTH HAVEN	111	122	11	-	-	-	42	36	(6)
OHSTT	1,641	1,720	78	-	-	-	68	72	4
OLD ORCHARD	-	-	-	1	-	(1)	304	312	9
OTISFIELD	-	-	-	-	-	-	33	44	11
READFIELD/WAYN	-	-	-	-	-	-	155	142	(13)
ROCKLAND	969	1,107	138	-	-	-	180	182	3
SANFORD	-	-	-	13	28	15	616	656	40
SHAPLEIGH	-	-	-	-	-	-	68	66	(2)
STETSON	-	-	-	-	-	-	14	-	(14)
TRI-COUNTY	518	559	40	-	-	-	-	-	-
VINALHAVEN	-	-	-	-	-	-	81	84	4
WATERVILLE	-	-	-	-	-	-	272	192	(80)
WESTBROOK	-	2,483	2,483	-	-	-	-	763	763
WOOLWICH	516	567	51	-	-	-	110	117	7
<b>Contract Member Total</b>	<b>9,480</b>	<b>12,739</b>	<b>3,258</b>	<b>201</b>	<b>234</b>	<b>33</b>	<b>2,915</b>	<b>3,707</b>	<b>792</b>
<b>Commercial Total</b>	<b>43,318</b>	<b>41,563</b>	<b>(1,755)</b>	<b>4,321</b>	<b>4,378</b>	<b>58</b>	<b>3,436</b>	<b>3,055</b>	<b>(381)</b>
<b>Spot Market Total</b>	<b>1,994</b>	<b>1,499</b>	<b>(495)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Grand Totals</b>	<b>86,603</b>	<b>90,537</b>	<b>3,934</b>	<b>6,689</b>	<b>6,525</b>	<b>(163)</b>	<b>17,022</b>	<b>18,455</b>	<b>1,433</b>

# ATTACHMENT D7

## Historical Generation Summary

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
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	\$597,309	\$340,323	\$265,785
Mar-18	86%	2,497,017	3,203,098	5,700,115	\$0.05411	\$0.04482	\$357,387	\$281,187	\$202,477
Apr-18	77%	2,793,025	3,186,637	5,979,662	\$0.03281	\$0.02437	\$248,521	\$331,482	\$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	96%	3,403,155	4,226,642	7,629,797	\$0.03509	\$0.02258	\$329,409	\$360,694	\$246,140
Aug-18	98%	3,689,400	4,003,175	7,692,575	\$0.03523	\$0.02274	\$335,652	\$409,462	\$294,819
Sep-18	95%	2,919,959	4,408,745	7,328,704	\$0.02931	\$0.01950	\$285,688	\$356,465	\$242,332
Oct-18	83%	2,923,391	3,300,855	6,224,246	\$0.03025	\$0.02043	\$277,764	\$354,742	\$232,847
Nov-18	86%	2,862,852	3,334,312	6,197,164	\$0.03567	\$0.02688	\$298,322	\$474,364	\$367,786
Dec-18	97%	3,020,165	4,274,569	7,294,734	\$0.05324	\$0.04246	\$450,406	\$452,040	\$343,925
Jan-19	99%	3,180,011	3,758,285	6,938,296	\$0.07783	\$0.05982	\$583,406	\$496,681	\$385,596
Feb-19	99%	2,651,508	3,201,561	5,853,069	\$0.06164	\$0.05207	\$435,855	\$311,578	\$205,866
Mar-19	83%	2,352,101	3,338,400	5,690,501	\$0.05240	\$0.04332	\$372,885	\$323,855	\$218,840
Apr-19	96%	3,016,138	3,336,683	6,352,821	\$0.03816	\$0.02902	\$313,740	\$269,096	\$167,282
May-19	98%	3,349,328	3,970,309	7,319,637	\$0.02840	\$0.02066	\$284,189	\$280,308	\$173,267
Jun-19	100%	3,092,847	3,965,086	7,057,933	\$0.03107	\$0.02277	\$293,094	\$261,255	\$154,541
Jul-19	98%	3,203,793	3,791,318	6,995,111	\$0.03947	\$0.02537	\$308,678	\$288,044	\$202,006
Aug-19	97%	3,291,162	3,712,705	7,003,867	\$0.03647	\$0.02256	\$289,837	\$266,347	\$180,298
Sep-19	98%	2,999,562	4,030,099	7,029,661	\$0.03183	\$0.02154	\$276,122	\$240,282	\$146,445
Oct-19	80%	2,719,789	3,169,725	5,889,514	\$0.03072	\$0.02213	\$253,078	\$223,975	\$124,595
Nov-19	90%	2,805,521	3,946,557	6,752,078	\$0.03989	\$0.03048	\$315,246	\$299,707	\$216,664
Dec-19	93%	3,019,503	3,776,011	6,795,514	\$0.06051	\$0.05137	\$459,781	\$356,630	\$273,534
Jan-20	99%	3,029,412	3,634,291	6,663,703	\$0.07682	\$0.06574	\$575,946	\$279,148	\$174,840
Feb-20	99%	2,600,383	3,220,981	5,821,364	\$0.04909	\$0.03961	\$342,063	\$221,574	\$134,747
Mar-20	93%	2,783,551	3,477,223	6,260,774	\$0.03776	\$0.03150	\$302,389	\$194,401	\$106,651
Apr-20	78%	2,956,571	3,245,366	6,201,937	\$0.03067	\$0.02421	\$243,851	\$184,885	\$110,283
May-20	97%	3,355,560	4,538,451	7,894,010	\$0.02369	\$0.01825	\$236,922	\$197,929	\$123,327
Jun-20	97%	3,587,558	4,072,207	7,659,765	\$0.02455	\$0.01798	\$235,895	\$224,401	\$149,799
Jul-20	98%	3,827,168	4,080,081	7,907,249	\$0.03225	\$0.02108	\$284,037	\$261,116	\$186,514
Aug-20	96%	3,374,794	4,486,063	7,860,857	\$0.02901	\$0.02027	\$244,943	\$243,457	\$187,349
Sep-20	98%	3,606,520	3,826,662	7,433,182	\$0.02575	\$0.01791	\$244,943	\$239,608	\$156,068
Oct-20	97%	3,856,508	4,372,996	8,229,504	\$0.02555	\$0.01826	\$230,968	\$251,410	\$198,826
Nov-20	75%	2,618,837	3,207,054	5,825,891	\$0.03783	\$0.03061	\$249,822	\$205,488	\$152,904
Dec-20	97%	3,681,529	4,467,093	8,148,613	\$0.05132	\$0.04397	\$440,813	\$380,749	\$325,289
Jan-21					\$0.06776	\$0.05832			
Total for contract period							\$3,056,648	\$2,605,018	