

ecomaine

Memorandum

DATE: October 31, 2019

TO: Chair and Members of the Board

FROM: Kevin H. Roche, CEO

SUBJECT: Agenda for the Outreach & Recycling Committee Meeting

There is an **ecomaine** Outreach & Recycling Committee scheduled for November 7, 2019 @ 4:00PM. The meeting will be held here at **ecomaine** in the 1st. Floor Community Room. The agenda for this meeting is as follows:

1. Approval of Minutes (*Attachment A*)
2. Open House Recap (*Attachment B*)
3. School Grants Review & Judging (*Attachment C*) & (*Handout*)
4. Upcoming Events:
 - December 9, 2019: Community Recycling Intern Recap Session
 - eco-Excellence Awards March 10, 2020
5. Outreach & Education (*Attachment D*)
 - Education & Outreach Data
 - ecomaine Website & Media Analytics
6. Recycling Market Report (*Handout*)
7. Other

Meetings:

Outreach & Recycling Committee
Finance & Audit Committee
Executive Committee
Executive Committee
Finance & Audit Committee
Full Board of Directors
Outreach & Recycling Committee
Outreach & Recycling Committee
Executive Committee

11-07-2019 @ 4pm
11-21-2019 @ 3pm
11-21-2019 @ 4pm
12-19-2019 @ 4pm
01-16-2020 @ 3pm
01-16-2020 @ 4pm
01-23-2020 @ 4pm
02-13-2020 @ 3pm
02-13-2020 @ 4pm

Outreach & Recycling Committee
Full Board of Directors
Joint Finance & Full Board Budget Review
Executive Committee
Finance & Audit Committee
Full Board of Directors
Outreach & Recycling Committee
Annual Board of Directors Meeting

03-19-2020 @ 3pm
03-19-2020 @ 4pm
03-26-2020 @ 4pm
04-09-2020 @ 4pm
05-21-2020 @ 3pm
05-21-2020 @ 4pm
05-28-2020 @ 4pm
06-18-2020 @ 11:30am

ecomaine

Memorandum

AttachmentA

DATE: September 12, 2019

TO: Chair and Members of the Board

FROM: Kevin H. Roche, CEO

SUBJECT: Outreach & Recycling Committee Minutes – September 12, 2019

The **ecomaine** Outreach & Recycling Committee met September 12. The meeting was called to order at 4:07 p.m. by Linda Boudreau, filling in for Caleb Hemphill, Chairman.

1. Approval of Minutes
 - Maxine Beecher moved to approve minutes, Rob Wood seconded and all unanimously approved.
2. Open House Planning & Discussion
 - Staff provided an update on the progress of the 2019 Open House planning, including a reminder of the date/time, promotion, available volunteer opportunities, and activities planned for the day.
3. Grants Planning & Discussion
 - Staff provided an overview of the FY19 (completed) grants, and a preview of FY20's grant cycle, set to launch on September 16.
 - Committee approved staff moving ahead on the Upcycle2020 challenge for upcycling inventions in FY20.
4. Upcoming Events
 - Staff provided an overview of upcoming events, noting that the education sessions will happen in January-February TBD, instead of November-December.
5. Outreach, Education, & Markets
 - Staff provided an update on metrics from outreach, which also included an update on the Community Intern Pilot in Falmouth, Scarborough, South Portland, and Windham, as well. A recap meeting will be held for member communities interested in the findings on December 9.
 - Staff also provided a report on the recycling markets and contamination rates.
6. Other/New Business
 - None

Attendees: Linda Boudreau, Rob Wood, Maxine Beecher, Kimberly Darling, Kathryn Oak, Jamie Garvin, Maureen McDevitt, Dave Durrell

Staff: Matt Grondin, Katrina Venhuizen

10/31/2019 2:00 PM

2019 ecomaine Open House Recap

More than **1,500** attendees

700+ blue recycling bins and **550+** green food scrap bins given away

1,200+ breakfast sandwiches given out

Hundreds took **tours** of both facilities

We collected 22 pallets of **e-waste**:

- 10,000 lbs. of unused televisions
- 3,500 lbs. of old computers
- 1,300 lbs. of printers
- 2,000 lbs. of old mixed electronics
- And many other items like A/C units, smoke detectors, and fluorescent lamps
- This is more than double the amount collected in years past!

88% of survey respondents said the Open House was “very educational”

- (...and the other 12% said it was “educational and confirmed what they already knew...”)

Just a few **survey** comments:

- “My favorite thing was the common denominator of people wanting to make a difference in our environment.”
- “Everyone was so nice and it was really organized! Nice work!”
- “Very family friendly.”
- “I love my new recycling bin!”
- “Thank you for the free e-waste recycling.”
- “The mascots...fun music...great community!”
- “The tour was super interesting!”
- “I didn’t know ecomaine powers 15,000 homes – wow!”



ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Cumberland County Amount Requested: 807.92

Name of school: Apple tree School

School Address: 44 Two Lights Road

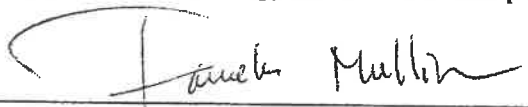
Name of Superintendent/Principal/President (please print): Pamela Mullin

Contact Information (required):

Phone: 799 3843

Email: Pjmullin@maine.rr.com

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.


Superintendent/Principal/President Signature

10/24/19
Date

Staff leader for the proposed project

Name: Pamela Mullin

Position/Title: owner

Contact Information (required):

Phone: 799 3843

Email: Pjmullin@maine.rr.com

Mailing Address: 44 Two Lights Rd. Cape Elizabeth
ME.
04107

1. Previous Ecomaine Grant(s)

Appletree School has never received a grant from EcoMaine.

2. Project Description

Appletree School, a 40 student preschool through first grade (ages 3-7) lead by EcoMaine eco-excellence 2015 award winner Pamela Mullin, has been committed to recycling and composting since first opening its doors in 1989. Students spend much of their day outside, connecting to nature and caring for the environment. They learn to sort their own trash, compost, and recycling. They plant their own vegetable gardens and are responsible for watering, weeding, and harvesting them.

Although recycling and composting are already integral practices at Appletree School, our resources are in desperate need of updating.

Our current garden beds have been used and loved for many years. The wood is rotting and the soil is very old. We are requesting new wood and soil to replace our five garden beds.

Our current single compost bin that's served us for a decade has been ransacked by animals and is inaccessible to the students. Two new, standing, tumbling compost bins for Appletree School would make a world of difference in helping students become more involved in the composting process. Students could bring their scraps out to these bins, turn them weekly, add leaves from the school's woods, and, when ready, till the new soil into their gardens.

We are also requesting new recycling, compost, and "landfill" bins for each of our three classroom areas. Our current bins are old and cracking. Newer models would help students better sort and understand the impact of their waste.

The more students are involved in and excited about sustainability, the more they will take these lessons home to their parents and encourage them to replicate these simple but invaluable practices. With the support of EcoMaine, we will be able to better impact the lives of our students, community, and environment. Thank you for taking the time to review our request.

3. For what, specifically, will the money be used?

Grant Tasks/Items	Costs	Units Requested
FCMP Outdoor IM4000 Tumbling Composter, 37 gallon, Black	\$75.99 each	2
3 Piece 6 Gallon Trash and Recycling Bin Set	\$31.99 each	3
Classroom compost bin	\$19.99 each	3
Wood and soil for five new garden beds	\$500 total	
Total Grant Request	\$807.92	

4. What resources will be contributed by the school?

Staff resources include time for: building five new garden beds, planting new vegetable gardens with the students, planning lessons around composting, and daily support in helping children sort their waste and turning compost bins twice a week.

Also provided by Appletree will be tools to construct the five garden beds, and leaves from our woods to help our food scraps better decompose.

5. What measurements will be taken to gauge and evaluate the impact of the project?

Since Appletree students plant and harvest their own gardens, the best evaluation of the impact of new compost bins will be in the collection of soil at the end of a season. Richer, healthier soil that leads to stronger, better growing plants will be a big win for our school.

Other ways to gauge the impact of this project is checking the bins to see if students are more properly sorting their waste (something staff does regularly is move paper from trash into recycling bins, move compost out of trash and into trash bins, etc. Clearer bins should lead to less re-sorting for the staff.) Lastly, listening to parent feedback to see if compost and recycling conversations are reaching home more and encouraging parents to better recycle and compost.

6. How long will the project be sustained?

Indefinitely. As composting is already an integral part of Appletree School, there is no risk of this program discontinuing...these new materials will simply let us incorporate the students even more into the process, and create better practices for our school.

7. Timeline and Reporting:

We look forward to checking the compost every month and recording the progress we see. We will also ask Appletree staff to measure how much more or less sorting they have to do after the new bins are placed in the classrooms. We foresee no issues in getting EcoMaine the progress reports required in March and May of 2020.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

\$4,961 actual total

ecomaine community: Hollis, Limington, Standish Amount Requested: \$5,000.00

Name of school: Bonny Eagle Middle School

School Address: 92 Sokokis Trail, West Buxton, ME 04084

Name of Superintendent/Principal/President (please print): Ben Harris

Contact Information (required):

Phone: 207-590-8192 Email: bharris@bonnyeagle.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

Ben Harris
Superintendent/Principal/President Signature

10/25/2019
Date

Staff leader for the proposed project

Name: Justin Pease / Lindsay Cumbea Position/Title: Teacher - Grade 7/8

Contact Information (required):

Phone: 929-9183 Email: jpease@bonnyeagle.org

Mailing Address: 92 Sokokis Trail, Buxton ME 04093

1. Previous ecomaine Grant:

Our school has received a grant from ecomaine once before. We received \$1720 in 2015 to put towards our composting and recycling systems. We spent part of our grant on adding large mobile recycling bins around our school. Upon receiving grant money, BEMS also formed a student recycling team. Members of the recycling team educated the students and staff and were responsible for collecting the big rolling recycle bins from around the school and dumping them in the large outside recycling receptacle. Our momentum for recycling and composting has improved significantly with funds provided by ecomaine.

10/25/19
Just in case the
electronic copy did not
come through.
Thank you,
Bonny Eagle Middle
School

2.) Project Description:

We are a student-led committee asking for this grant because our school needs a more efficient composting system than we have now. We are planning on designing a framed composting site next to our greenhouse. Our proposal includes composting bins in the cafeteria, and in the hallways too since our students eat breakfast in their classrooms. We will also have student-maintained 'share tables' for unopened foods. We will have students empty the bins daily into the compost pile. We will sell the compost in bags or create a self-serve station. We will have thermometers to monitor the temperature of the compost, and we will have a scale to weigh the compost to track our efforts. Lastly, we are requesting funds for a small front end loader to help turn the compost.

Our school is committed to composting. Our district is enthusiastic about becoming a role model for our community and other schools in making a greener future. Our principal has researched and made site visits to other schools with successful programs. Our science teachers will include it as a regular part of their curriculum. Our custodians and facilities department will help to maintain the site. Most importantly--our students will be invested in the everyday process.

Bonny Eagle's plan will include descriptions of our step by step processes as well as simple design plans for other schools to follow; also, the student composting committee is hoping to visit other schools to help explain this process as well. We plan to highlight the environmental and economical worth of the project, so other schools can more easily get community backing for their own. This coming Wednesday, our committee of fifteen students will be making a presentation to the school board, superintendent, and facilities department to discuss our plan going forward.

This project will be sustainable because we will educate the students and teachers of our school and motivate them to be involved. Education is one of the strongest methods of creating positive change. Secondly, we believe there will be substantial cost savings. Science teachers and their students will keep records of school waste, and conduct cost comparisons over time. Selling the compost will generate more money to sustain the project. Currently, we have a horticulturist and a garden club who will help ensure the success of this project.

Why us? If you are wondering why our school should get the maximum amount of money from this grant, here are a few reasons. Our community is large and encompasses five towns: Standish, Buxton, Hollis, Limington, and Frye Island; therefore, the students and staff attending our school will influence the people in their towns to change for the better. The state of Maine recently passed law #369, requiring that schools reduce food waste and recommending composting and using the energy from the decomposition process. Being a big school, we will influence other schools to be more environmentally friendly and offer a solution to be in compliance with the law. Of course, 850 students generate lots of waste; we have to make a change. That is why our school should get the maximal amount of money from this grant.

3. For what, specifically, will the money be used?

Itemized Expense Summary

*We are designing a framed and covered compost system because our facilities department has voiced concerns around safety, pest control, and possible odors.

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

- Science teachers will make composting education part of their regular curriculum.
- Pathway clan teachers will assist the Student Compost Committee in training the student body to sustain compost independently.
- All BEMS staff will help monitor the system during their mandated duty times.
- Facilities team will help maintain and turn the compost.
- We have 850 potential stewards in our student body who will assist the project on a daily basis.
- Share tables with ice trays will be stationed in each grade level.
- The school will donate carts to transport compost bins.
- Our greenhouse and our compost system will support each other in our long term plan of using gasification to heat the greenhouse.
- TVs, Bonny Eagle News, websites, social media, emailing systems will be used to inform students and staff and raise awareness.
- We will ask for donations from local farms for manure.

5. What measures will be taken to gauge and evaluate the impact of the project?

To gauge and evaluate the impact of our project, we will measure the amount of waste we are producing and compare it to prior measurements. How much waste we produce is also measurable in how much money we will be spending in disposing of that waste. We know now that we pay Tibbetts Farm \$1,230 yearly for tipping fees of our compost. We spend \$13,400 to Pine Tree Waste for general trash removal. As we go forward, we will continue to monitor these expenses. Lastly, we can measure how much money we are earning by selling the compost.

The impact that we will have will also be on students and the community. Students can be assigned to record temperatures and weigh the compost. How well they perform on relevant assessments can help us gauge its effectiveness in the science curriculum. We will also survey the community to see how much influence we are having, inspiring a greener Bonny Eagle.

6. How will the project be sustained?

Our goal is to create an efficient composting system that we can sustain through student involvement, compost sales, long-term cost savings, and putting saved and earned money right back into the process. With money earned from sales of compost, we will be able to buy newer equipment as it is needed.

In addition, we will educate BEMS students about composting. We will create a slideshow to be shown during lunches and throughout the day on hallway monitors. We will also design posters showing what is compostable and what is recyclable. Science teachers will have the equipment they need to do specialized studies about the composting process.

Students will have jobs like cleaning compost bins, collecting classroom compost, dumping the compost bins after lunches each day, turning the compost, and maintaining a ‘share table’ in each wing of the school. The more student involvement, the greater the chance of success. Students will be encouraged to do these jobs by being rewarded with points from Liveschool, a positive behavior point system our schools uses. We also have the Golden Globe Award, a homeroom competition designed to raise awareness and reduce waste.

Looking into the near future, we are exploring gasification. If we succeed in getting the amount of money we need for our new composting system, we think that we can funnel the heated methane gas from the compost into our greenhouse. When compost breaks down, it releases methane which then heats the air. This would be more efficient and cost-effective than solely burning propane.

Student-Committee:

Aeryn Babson	Ethan Baker	Lydia Coyle
Ava DeRier	Tyler Doyer	Allie Hesler
Tracy Lind	Rowan McDonald	Lillian O’Brion
Kaitlyn O’Conner	Kaiden Tillman	Pierce Volpe
Avelyn Walker	John Warren	

Item	How many (packages)	Cost Per Package	Purpose	Total
Medium Rubber Gloves	5	\$9.99	Students Handling the Compost	\$49.95
Scale	1	\$150.00	Weighing the Compost	\$150.00
Thermometer	3	\$21.00	Monitoring temperatures of the compost	\$63.00
Microscope	2	\$400	Science classes studying health of compost	\$800
Wheel Barrow	1	\$120	Transport of compost	\$120
Pitchforks	2	\$39	Students turning the compost	\$78
Shovels	2	\$67.70	Turning and maintaining the compost	\$135.40
Shovel for Path	1	\$15	For clearing snow off of the path	\$15
Lumber			*Building a frame	\$1,000
Corrugated Metal			*Roofing - protection and pest control	\$300
Bags	4	\$52.00	Bagging the compost for sale	\$208
Small Tractor	1	\$2,000	For Maintaining and Turning the Compost	\$2,000
Compost Bins	3	\$20	For the hallways	\$60.00
Total Cost of Everything:				\$4,961.35

Winn Ag Grounds

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:**October 25, 2019**

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: MSAD #6 Amount Requested: \$4,559

Name of school: Buxton Center Elementary School

School Address: 912 Long Plains Rd.

Name of Superintendent, Principal President (please print): Kim O'Donnell

Contact Information (required):

Phone: 207-929-3836 Email: Kodonnell@bonnyeagle.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.


Superintendent/Principal/President Signature

10/16/19
Date

Staff leader for the proposed project

Name: Lindsey Cawood Position/Title: Tech Integrator

Contact Information (required):

Phone: 207-929-3836 Email: Lcawood@bonnyeagle.org

Mailing Address: 912 Long Plains Rd. Buxton, ME 04093

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2. Project Description

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

- Project outline and school commitment
- Ease of project replication
- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used?

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
Filabot Ex 2 Extruder Setup	\$4,559
Total Grant Request	\$ 4,559

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

5. What measurements will be taken to gauge and evaluate the impact of the project?

6. How will the project be sustained?

7. Timeline and Reporting

ecomaine requires that grant recipients complete mid-term and final reports during the course of their specified project. Please identify the **individual(s) (and their contact information)** who will be responsible for completing the reports, and a **timeline** for when reports will be completed. **Mid-term reports** should be completed no later than **March 2, 2020**. **Final reports** should be completed no later than **May 29, 2020**. The final payment will be contingent upon receipt and approval of your reports. Future awards may be contingent upon timely reporting.

Lindsey Cawood
Buxton Center Elementary School
MSAD #6

School Recycling Grant Application

Project Description:

While I am writing this application for Buxton Center Elementary School, if we were selected for a grant, it would be a district wide benefit/use. We have 5 elementary schools, a middle school, and a high school with students from PreK-12th grade that could benefit from the project.

I would like to use the grant to purchase a Filabot EX2 Extruder Setup, which is \$4,559. We have twenty 3D printers that are used among the schools almost daily with lessons with students and demonstrating printing in classrooms. This leaves us with a lot of plastic filament waste. Currently, we have been saving this "waste" as we change colors in the printers, designs don't work out, or the print doesn't come out correctly. I would like to use the Filabot EX2 Extruder to recycle the plastics into filament that can be reused in the printers. This system is an entry-level system that is designed for those who are just starting to make filament so it would be perfect for our school/district. Through this project, students will be able to see a unique recycling tool that will hopefully inspire them to think of other creative ways they can promote recycling and reuse. The students love designing and learning about the printers so this project will add to their enthusiasm and knowledge about the emerging technology, as well as recycling. If purchased, this tool will be able to be used year after year as it simply needs electricity and plastic waste to create new filament.

Detailed Budget:

Filabot EX2 Extruder Setup \$4,559

<https://www.filabot.com/products/ex2-bundle?variant=12636062973986>

Bundle Includes:

- Filabot EX2 ~ 1950
- Filabot Airpath 700
- Filabot Spooler 2200
- 1. 2.85mm Nozzle
- 1. 1.75mm Nozzle
- 1. User Manual
- 1. Power Cord

1. Packet of Anti-Seize
1. Package of Purge

Additional Resources:

Technology integrators at the schools will be able to use their time to see the project through, recycle the plastics, instruct and involve students in the process, and collaborate throughout the district to make this a success.

Impact:

We currently have a significant amount of plastic that we can recycle into filament so it would have an impact on our environment. This tool would also allow us to make more learning projects with the recycled filament and engage students in the learning.

Timeline:

Lindsey Cawood will be responsible for the implementation and set up of this project. She will also be responsible for the Midterm report and Final report. She intends on implementing the project as soon as the extruder system is received.

ecomaine

School Recycling Grant Guidelines

Goal: To provide monetary resources that will help schools reach goals to reduce solid waste disposal and/or increase recycling, compost, and landfill diversion rates.

1. Grant eligibility

- a. School must serve students that live in a municipality served by or affiliated with ecomaine. (Visit ecomaine.org/about-ecomaine/ecomaine-communities for a full list of communities.)
- b. School may be public or private and of any grade levels (including post-high school, pre-K, or afterschool).
- c. School must agree to provide two progress reports to ecomaine: at the midpoint (**March 2, 2020**) and upon the completion date (no later than **May 29, 2020**).
- d. School must be willing to freely share its program and results with other schools for replication purposes.
- e. Grantees agree to coordinate with ecomaine Education staff for a free on-site visit to engage with school staff and/or students to promote greatest efficacy of grant funds.

2. Grant money available

- a. ecomaine will make school grants available from a pool of \$25,000.
- b. School may apply for a grant in any amount up to \$5,000.
- c. Money awarded by ecomaine must be spent in accordance with the applicant's submission to ecomaine.
- d. Grant monies will be awarded to schools, not individuals.
- e. Grant monies will be dispersed:
 - i. Eighty percent (80%) upon initial award.
 - ii. Twenty percent (20%) upon completion of the final project report*.

3. Grant Application

- a. Applications are due by **October 25, 2019**; late applications cannot be considered.
- b. Grant applications must be signed by the school's principal, superintendent, or president.
- c. Applications must include specifics that address these judging criteria:
 - i. Project outline and school commitment
 - ii. Ease of project replication
 - iii. Likelihood of success and program sustainability
 - iv. Why the project is compelling and worthy of funding
- d. Applications will be judged by ecomaine's Recycling Committee.
- e. Application forms are available at www.ecomaine.org or by calling 207-773-1738.

****Mid-term reports to be completed no later than March 2, 2020.
Final reports to be completed no later than May 29, 2020.***

Filabot Spooler

Filabot Airpath

Filabot EX2 Extruder






FILABOT EX2 EXTRUDER SETUP

F-B00720
\$4,559.00

Starting at \$424/mo with **affirm**. [Learn more](#)

Product	Price	Quantity

Product	Price	Quantity
 Someone in University Of Adelaide, Australia purchased Filabot EX2 Extruder Setup	\$2,699.00	1
 Filabot Airpath	\$699.00	1
 Filabot Spooler	\$2,199.00	1
Subtotal \$5,597.00 \$4,559.00		
You save: \$1,038.00		

VOLTAGE

QUANTITY

110V

- 1 +

ADD TO CART

Share



DESCRIPTION SPECS VIDEOS REVIEWS

Due to increased demand, there is a 1 week lead time on the EX2 and the EX2 Bundle.

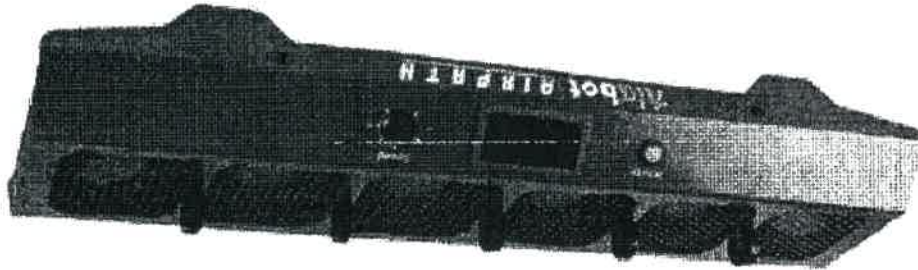
Filabot EX2 Extruder Setup enables you to profit from evolution in plastic recycling and make clever use of industrial plastics. In essence, it is a small-scale solution to a big environmental problem making sustainable manufacturing possible for a larger audience, not only those with expert knowledge. This closed loop system is an example of sophisticated engineering - our specialists managed to downsize an entire filament production line into three elements: Filabot Extruder, Filabot Airpath, and Filabot Spooler. This bundle is a full setup that includes everything that is needed to develop and produce filament for any FDM or FFF 3D printer.

Filabot EX2 Extruder

The Filabot EX2 system is our entry-level extrusion system, designed to be simple for those who are just starting to make filament. The EX2 features a compact three-stage extrusion screw made from hardened and polished high-carbon stainless steel. This proprietary, patent-pending screw is designed to pressurize plastic during the extrusion process, assisting in diameter control and

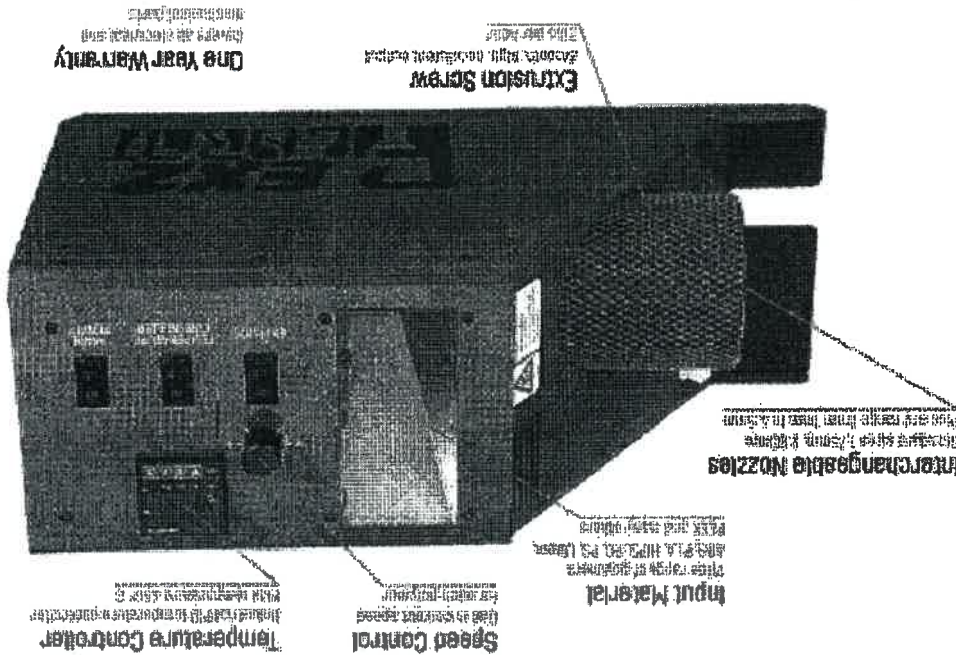
The Filabot Spooler is the ultimate compliment to our extruder systems. In addition to conveniently spooling your extruded filament, the unit allows you to easily fine-tune the extrusion diameter for the tightest possible tolerances. This is achieved by adjusting the speed of the puller wheels, which draw the filament from the extruder. The puller wheels have been engineered to be non-compressive,

Filabot Spooler



The Filabot Airpath uses forced convection to cool filament as it is being extruded. The Filabot Spooler can be used for the common ABS and PLA materials to help get greater tolerance and easier extrusion setup. The air path is a must for researchers and development labs who are working with higher temperature polymers where the filament needs to be cooled before it is passed through the Filabot Spooler. This system has a speed readout so that consistent speeds can be set.

Filabot Airpath



boosting the overall output. The mixing capability of the screw is enhanced by the utilization of a progressive compression section, which applies shear force between the polymer and the barrel wall. The speed control board includes an automatic, needed to regulate the precise RPM of the screw as forces led with the Filabot Spooler, tolerances of +/-0.05mm can be achieved at a rate of 7 IPS an hour.

Someone in University Of Adelaide, Australia purchased Filabot EX6 Extruder Setup



meaning they preserve the quality of the extrusion. This updated model features a variable traverse mechanism to evenly distribute filament onto the spool, an upgraded circuit board for the smoothest shafts which glide on sealed bearings.



Someone in University Of Adelaide, Australia purchased Filabot EX6 Extruder Setup

For your own spools

Traverse System

Traverse System
Traverses filament across spool for tangle free spools

Speed Dials

Finely tune in speeds to match and size filament



One Year Warranty

Covers all electrical and mechanical parts

Drive Wheels

High grip, low force, non-deforming drive wheels

[Click Here for the Filabot Extruder Manual](#)

[Click here for the Ink Bird Temperature Control Manual](#)

← BACK TO MACHINES

Customer Reviews

Based on 2 reviews [Write a review](#)

Nice System

Simino

Very nice product. I have had a couple of issues, but customer service took care of me and got it back on track. The product works very well and maintains +/- .02, but not at full speed. It takes some experimentation to get it set just right. I wish there was a forum for people to help one

another for tips and tricks. Invest in a small clip on fan and a food dehydrator. Your plastic needs to be dry before you extrude.
 Report as Inappropriate

Someone in University Of Adelaide,
 Australia purchased Filabot EX6
 Extruder Setup



We bought EX2, airpath and the spooler 3 months ago.

We are really satisfied about this system. It works great with Regrind plastics and you can reach easily a tolerance between +0.15mm (-0.1 mm most of the time).

You can put a filter in the nozzle to improve the plastic quality that you're extruding especially with regrind plastics.

The machines have a really good finition and are really reliable (you can extrude non stop during >4hours, we didn't try more)

The only bad point, is that we can't reach 2 pounds/hour, our maximum extruding speed is 1

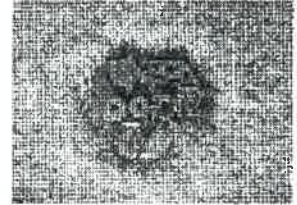
pound/hour.
 Thank you for the review. Regrind can have a slower output compared to out baseline test of 2lbs

per hour that we have listed.

- Filabot

Report as Inappropriate

Customers Also Purchased These Items



PLA PELLETS -

3D850

\$62.14 -

\$3,864.98

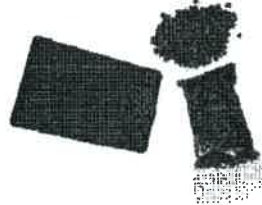


PLA PELLETS -

4043D

\$47.14 -

\$3,616.96



PLA

COLORANT

ADDITIVES

\$3.25



EXTRUDER

CLEANING

PURGE

COMPOUND

\$17.36 -

\$18.42



EX2 MELT

FILTER NOZZLE

- CURRENT

STYLE E

\$62.45

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:**October 25, 2019**

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Portland Amount Requested: \$568.60

Name of school: The Children's Nursery School

School Address: 159 State Street, Portland, ME 04101

Name of Superintendent/Principal/President (please print): Michelle Smith
(Administrative Director)

Contact Information (required):

Phone: (207) 838-0511 Email: cns teachingdirector@gmail.com

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

Michelle Smith
Superintendent/Principal/President Signature

10/24/2019
Date

Staff leader for the proposed project

Name: Resa Jones Position/Title: Head Teacher

Contact Information (required):

Phone: (207) 329-3399 Email: resabird@gmail.com

Mailing Address: The Children's Nursery School
PO Box 8086, Portland, ME 04104

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2. Project Description (see attached)

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

- Project outline and school commitment
- Ease of project replication
- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used? (see attached)

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
Total Grant Request	\$

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)? (see attached)

5. What measurements will be taken to gauge and evaluate the impact of the project? (see attached)

6. How will the project be sustained? (see attached)

7. Timeline and Reporting (see attached)

ecomaine requires that grant recipients complete mid-term and final reports during the course of their specified project. Please identify the **individual(s) (and their contact information)** who will be responsible for completing the reports, and a **timeline** for when reports will be completed. **Mid-term reports** should be completed no later than **March 2, 2020**. **Final reports** should be completed no later than **May 29, 2020**. The final payment will be contingent upon receipt and approval of your reports. Future awards may be contingent upon timely reporting.

Thank you!

2. Project Description

Project Outline and School Commitment

Children's Nursery School (CNS) is a not-for-profit cooperative preschool based in the heart of downtown Portland. We have been engaging children ages 3-5 and their families since 1975.

CNS is located in an urban setting and it is one of our primary goals to make connections to nature and the outdoors every day. One way we do this is to make the connection between waste reduction and recycling and its positive impact on the environment. In the classroom, we have separate bins for trash, recycling, compost, and laundry. We work closely with students so they know where items go and incorporate recycling and composting into our curriculum.

We also have a plastic tub we use as a vermicomposting bin, and use the dirt in our indoor plants (which are thriving!) and add it to plants outside in our courtyard. We are very conscious about recycling, particularly paper: we draw on both sides, use scraps to make gift tags, and cut up scraps (helps with scissor skills). Cut up paper is fed to the worms (we soak it in water first so the worms don't get paper cuts, teaching children how to empathize with and care for animals).

We would like to take composting to the next level. We have struggled with what to do with our compost. Since we are cooperative school, we have had parents take home compost when they can, but several families are not able to do this. We would like to incorporate the following:

- A Garbage to Garden account so that we will have weekly, reliable compost pickup and access to clean buckets
- A new, quality vermicomposting bin to use as another resource for composting and to utilize in curriculum with the students
- Outdoor planters so we can use dirt from the vermicomposting bin to plant seeds this spring (making the direct connection between compost and gardening)
- Fruit fly trap (this has been an ongoing hindrance to our composting program)
- Books about composting for our school library that can be incorporated into our curriculum

Ease of project replication and Likelihood of success and program sustainability

Composting education has been part of our annual curriculum. The added funds from this grant will help us purchase materials that will be used each year in the classroom. Our composting setup and curriculum could be replicated by any preschool program with access to compost pickup. Because our school already has a culture of sustainability, it will be easy (and fun!) to incorporate these added components to our composting program and curriculum.

Why the project is compelling and worthy of funding

This project is worthy of funding because we are working to educate young children to be life-long advocates for the environment. The easiest way for young children to get involved is to take action in the spheres where they spend the most time - at home and at school. Students are not just learning about waste reduction and composting in books, they are taking what they learn and incorporating it into their daily experience.

3. For what, specifically, will the money be used?

1. Garbage to Garden services for one year: \$165
2. Vermicomposting bin: ~~\$120~~ \$55 w/ worms included
- ~~3. Worms: \$50~~
4. Fruit fly trap: \$12
5. Two outdoor planters: \$150
6. Seven books on composting for school library (prices sourced from Amazon): \$71.60
 - a. *Compost Stew: An A-Z Recipe for the Earth* by Mary McKenna Sidals (\$11.19)
 - b. *Composting: Nature's Recyclers* by Robin Koontz (\$8.95)
 - c. *What's Sprouting in My Trash? A Book About Composting* by Esther Porter (\$8.10)
 - d. *Compost: A Family Guide to Making Soil from Scraps* by Ben Raskin (\$16.47)
 - e. *Kids Can Compost* by Wen-Chia Tsai Parker (\$9.99)
 - f. *Casey's Compost* by Bonnie Bright (\$9.95)
 - g. *Pumpkin Jack* by Will Hubbell (\$6.95)

Total cost of project: \$568.60

4. What resources will be contributed by the school?

The school (head teacher and parents) will be responsible for putting out the Garbage to Garden bin each week for pickup. The teacher will be responsible for setting up the vermicomposting bins and incorporating compost education into the curriculum.

5. What measurements will be taken to gauge and evaluate the impact of the project?

We will gauge the impact of the project by making sure that by the end of the 2019-2020 school year, all students:

1. Understand what composting is and why we do it
2. Can identify five items that can be put into the compost bin and five items that cannot
3. Understand the process of how compost turns into dirt (natural decomposition and vermicomposting)

6. How will the project be sustained?

The materials we purchase through the receipt of a grant will enable us to sustain this program each year.

7. Timeline and reporting

Contact: Michelle Smith, Administrative Director
cnsteachingdirector@gmail.com
 (207) 838-0511

Mid-term report will be submitted by February 20; Final report will be submitted by May 20.

Subject: Re: School Recycling Grant
Date: Monday, October 28, 2019 at 11:36:01 AM GMT-04:00
From: Michelle Smith
To: Katrina Venhuizen

Hi Katrina,

Thanks for getting in touch! I found the bin on a site called Uncle Jim's Worm Farm: https://unclejimswormfarm.com/product/indoor-compost-bin/new-hot-frog-living-composter-free-shipping/?gclid=EAIaIQobChMIhq7cuKO_5QIVibWzCh3fkAF0EAQYBSABEglsifD_BwE.

Of course we would be happy with a bin from Wormmainea, we just weren't sure who had them locally.

Please let me know if you have any more questions!

Thanks,

Michelle

On Mon, Oct 28, 2019 at 11:31 AM Katrina Venhuizen <venhuizen@ecomaine.org> wrote:
Hello Michelle!

I received your grant and am inputting it now. Great work! I do have a question. Where did you source your worm bin from? There is a company called Wormmainea and they have bins for about \$35 and worms for either \$30 or \$60 (depending on how many you want). We have an abundance of grant asks and in the spirit of trying to get everyone something, I'm wondering if this lower costs bin would suffice. They are located near Portland (if not in Portland, not exactly sure where). Let me know if this would work or if you would like to stick with the \$120 bin plus \$50 worms. Thanks! Check out their site: <http://wormmainea.com> under "store" tab.

Katrina Bussiere-Venhuizen, Senior Environmental Educator

Email: venhuizen@ecomaine.org

Work: 207-523-3141

Cell: 512-949-9201

ecomaine

www.ecomaine.org | [Facebook](#) | [Twitter](#) | [Instagram](#) | [YouTube](#)

From: Michelle Smith <mainebelle@gmail.com>
Date: Wednesday, October 23, 2019 at 4:25 PM
To: Katrina Venhuizen <venhuizen@ecomaine.org>



Worm Bins

I do not ship worm bins. They are for pick up only. **Contact me** to purchase a ready-made worm bin or starter bin.

Bins are available as follows:

18-20 gallon size bin without worms is \$20.

18-20 gallon size bin with 1 pound of worms is \$35. Save \$5!

18-20 gallon size bin with 2 pounds of worms is \$55. Save \$5!

Would you like me to set your bin up, so it's ready to go as soon as you pick it up? (no assembly required!) Let me know. Set-up fee is \$15. Garden fork included; just add food scraps!

Want to make your own bin? **Click here** for instructions.

Gift Certificate

A gift certificate is a great option if you're not sure if the recipient is ready to start vermicomposting immediately. You can determine the amount for the gift certificate, and the recipient can redeem it any time in the next 12 months.

Gift Certificates

Shipped worms GC \$28.99 USD

Buy Now



Donation

I'm collecting donations to offset the annual cost of maintaining the website. If you find the site useful, consider a donation to help keep these pages available **and free of advertising!** Any amount is welcome and appreciated. **THANK YOU!**

Donate





Welcome to my store!

Vermicomposting Worms

Compost worms (red wigglers or *Eisenia fetida*) are not the same as earthworms you typically find outdoors after a rainstorm. You can buy them from someone in your local area or from me. [Contact me](#) with any questions.



One-pound orders are \$29.98 (bed run*), two-pound orders are \$59.96 (bed run*), which includes shipping (within the continental US). Minimum order is 1 pound. All orders are shipped USPS Priority Mail with tracking numbers (2-3 days). I typically ship on Mondays or Tuesdays. [Contact me](#) with questions.



Select 1 or 2 pounds

2 pounds of Red Wigglers \$59.96 USD

Buy Now



Local Pickup

I have worms and bins available for pick-up, if you're in the greater Portland, Maine area. **Worms for pickup are \$20 per pound (bed run*).** **Worm Bins are \$20 each.** Minimum order is 1 pound. Pay at pick-up. [Contact me](#) for local orders. We can coordinate on a location and time. **\$35 SPECIAL: One pound of worms and a worm bin!**

*What is Bed Run?

My worms are shipped bed run, which means that you receive worms (all ages plus cocoons) along with worm compost and bedding. Worms shipped this way are quite happy and are most successful at colonizing a new bin. Note: you will receive a pound of worms along with the vermicompost (soil) they need to survive (typically over 2 pounds total). This is not what you would receive from a bait shop. Worms are shipped in as dense a population as naturally occurs in an active worm bin. This ensures that they will be healthy when they arrive. Bedrun contains worms in as dense a population as will be healthy. Depending on the mixture of worms in the scoop (adults, juveniles, and cocoons) the actual number varies greatly. Typically those orders with fewer adults will have more cocoons. The most important thing to remember is that it is vital to receive your worms in good health so that they can colonize your bin. Worm populations typically double every 10-12 weeks, so you want a healthy population to start breeding right away.

Winter Shipping

I ship year round, but during winter and peak of summer I may contact you after you place your order to discuss shipping arrangements. I want to be sure your worms don't die enroute or while waiting in the mailbox. [Contact me](#) if you have special shipping instructions or questions.

Buy Locally

if you are on the other side of the country, I encourage you to buy from a local grower. Web sites are available that list worm suppliers ([City Farmer](#)) to help you find a vendor near you. Frankly, the longer worms spend in transit, the greater risk of loss of live worms.

Ecomaine School Recycling grant application:

ecomaine community: Falmouth Amount requested: \$543.77

Name of School: Falmouth Elementary School

School Address: 58 Woodville Rd. Falmouth, ME 04105

Principal: Stacy White

Phone: 207-781-3988

Email: stacy.white@falmouthschools.org

Signature is pending (She knows and already approved of the project! I just didn't know that we needed this step).

Contact:

Josh Olins

1st grade teacher

207-710-9479

jolins@falmouthschools.org

58 Woodville Rd

Falmouth, ME 04105

1. Previous ecomaine grants:

Yes FES has gotten a few grants from ecomaine. In the last 5+ years we have gotten grants for compost bins and program, recycle bins and totes. There may be others. Sorry, I do not remember the exact dates or amounts.

2. Project description:

The goal of this grant and program is to remove all of the plastic bags and plastic film from our waste stream in the school. We discard a lot of plastic shopping bags, zip - locks and especially laminator film. Many teachers and children still think that this belongs in the single stream recycle bins. We have purchased 8 cardboard bins and will put one in each wing to collect plastic film. This film will be bagged by parent volunteers, students and a teacher who has an after school environmental student group. This plastic film will be weighed and brought to the local grocery stores (Hannaford and Shaws) where it will be picked up and recycled by Trex.

My grant is for a reward for the school once we have collected 200 lbs. of plastic film. We are quite confident that we will reach the goal so I would like to purchase a plastic park bench made from 100% recycled plastic bags (made by Trex).

We will have an artistic graph made by our art teacher. For every 10 lbs. of plastic film that we divert, she will make a Jellyfish (since plastic bags are often mistaken for jellyfish and eaten by marine animals). When we reach our goal, I will purchase and unveil the bench as a prize for the entire school.

The entire administration has approved of the idea and the locations of collecting bins. The ultimate goal is to spread this program to the other schools in district.

Because plastic bags and film are among the worst contaminants at ecomaine and in the recycle stream, it is very important that we make every effort to get them out of our waste stream and dispose of them properly.

3. Money will be used to purchase a bench. They are available at Home depot for \$543.77 https://www.homedepot.com/p/Trex-Outdoor-Furniture-Yacht-Club-60-in-Classic-White-Patio-Bench-TXB60CW/203570059?keyword=trex+recycled+bench&semanticToken=21300000011_201910252211411162741_7rp7+21300000011+%3E++cnn%3A%7B1%3A0%7D+cnr%3A%7B7%3A1%7D+cnd%3A%7B4%3A0%7D+cne%3A%7B8%3A0%7D+cnb%3A%7B0%3A0%7D+cns%3A%7B5%3A0%7D+cnx%3A%7B3%3A0%7D+st%3A%7Btrex+recycled+bench%7D%3Ast+oos%3A%7B0%3A1%7D+br%3A%7Btrex%7D%3Abr+pt%3A%7Bbench%7D%3Apt+rt%3A%7Brecycled%7D%3Art+dln%3A%7B562386%7D+qu%3A%7Btrex+recycled+bench%7D%3Aqu

4. The teachers will put the program into play and share it with the kids. 3rd and 5th graders will teach the younger kids. A handful of parent volunteers will collect the plastic film and an after school environmental group of kids will weigh the film. Our Art teacher will make Jellyfish (see #2 and #5)

5. We will weight the actual amount of plastic film and report that out to the school and ecomaine.
6. The project will be sustained by a core group of supporters (teachers and parents). If it goes well we will continue next year too and spread the program to middle and high school.
7. We will report to the school every time we have 10 lbs. of plastic film by hanging up a jellyfish. We will report to ecomaine in February and then again in May

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Falmouth Amount Requested: \$4,902

Name of school: Falmouth High School

School Address: 74 Woodville Rd, Falmouth, ME 04105

Name of Superintendent/Principal/President (please print): Peter Badalament

Contact Information (required):

Phone: (508) 958-3279

Email: peter.badalament@falmouthschools.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

P. Badalament
Superintendent/Principal/President Signature

10/23/19
Date

Staff leader for the proposed project

Name: Dan Wolotsky

Position/Title: Librarian

Contact Information (required):

Phone: 3184898

Email: dwolotsky@falmouthschools.org

Mailing Address: 74 Woodville
Falmouth Maine
04105

My high school has never received an ecomaine recycling grant. However, the elementary school in my school system has received previous grants applied for by Josh Olins.

I would like to install several smart drinking fountain/water bottle filling station in my high school in an effort to promote environmental sustainability. These filling stations count the number of plastic bottles saved *each time a user fills their personal water bottles*. They are already installed throughout the elementary school in my school district and encourage students and staff to use fewer single-use plastic bottles. The director of facilities at my school is committed to provide the resources necessary for installation. The school principal has also approved the project and is very excited about the prospect of seeing these fountains and their impact on our school community. This project is easily replicated. As long as the funds are raised for more filling stations, they can be installed. This project is likely to succeed in promoting environmental sustainability because these filling stations give the user instant gratification for their actions. Users are able to immediately see how they are helping to reduce waste and help our environment. This is very motivational and makes people want to use refillable bottles as opposed to single-use plastic bottles. The only thing better than increasing recycling in a community is reducing the amount we need to recycle in the first place. These drinking fountains can help to do this which is why my project is worth funding.

Grant Tasks / Item	Costs (USD)
Elkay EZH2O Bottle Filling Station & Versatile Bi-Level ADA Cooler, Filtered 8 GPH Light Gray	\$2,451
""	\$2,451
total grant request	\$4,902



My school has agreed to cover any installation costs for these drinking fountains.

The filling station displays a running total of the number of plastic bottles saved as a result of using refillable bottles. This makes it easy for my school to see the impact that positive environment impact of these fountains.

Even if after this project is complete, no other filling stations are installed in my high school, the fountains I am able to install will forever continue to promote environmental sustainability and reduction of waste. This being said, once one or two of these fountains are installed, it will likely encourage the replication of the project throughout my school system. As many water fountains can be installed as can be paid for, so the possibilities are endless.

A mid-term report can be completed by March 1st, 2020. A final report can be completed by May 1st, 2020.

Reporter: Sophie Goldberg, sgoldber2020@falmouthschools.org

ecomaine School Recycling Grants

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October 25, 2019

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E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Freeport Amount Requested: \$500.00 \$574.70

Name of school: Freeport Middle School

School Address: 19 Kendall Lane

Name of Superintendent/Principal/President (please print): Ray Grogan

Contact Information (required):

Phone: 207-865-6051 Email: groganr@rsu5.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.


Superintendent/Principal/President Signature

10/19/19
Date

Staff leader for the proposed project

Name: Kathleen Brown Position/Title: teacher, Green Team Advisor

Contact Information (required):

Phone: 207-865-6051 Email: brownk@rsu5.org

Mailing Address: 19 Kendall Lane Freeport, ME 04032

Freeport Middle School
RSU5
19 Kendall Lane
Freeport, Maine 04032
(207)865-6051

October 25, 2019

Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, Maine 04102

Dear Ms. Venhuizen:

The Freeport Middle School Green Team is pleased to submit this application for an ecomaine Recycling Grant. We are requesting \$500 to help support the elimination of plastic cutlery, and the associated waste from the non-reusable material, from the school cafeteria.

To the best of my knowledge, FMS has not recently received a Recycling Grant.

We are excited by the opportunity to work with you and others at ecomaine to implement this change at our school. Please do not hesitate to contact me, or our principal Ray Grogan, if you have any questions.

Sincerely,
Kathleen Brown
Advisor to FMS Green Team

Project Outline and School Commitment:

The Freeport Middle School (FMS), with a student population of 300, requests funding to reduce the use of plastic utensils in the school cafeteria, by replacing plastic cutlery with metal utensils.

The newly revived Freeport Middle School Green Team (fourteen active participants) is a student led organization that is exploring ways to reduce, reuse and recycle. The desire to replace the existing plastic utensils in the school cafeteria emerged as the Green Team's top priority for this school year. According to an analysis completed last school year by current eighth grader Ian Smith, students and staff at Freeport Middle School use and dispose of over 45,000 pieces of plastic cutlery each year. According to the research of current eighth grader Enoch Boudreau, the greatest source of plastic waste in the school cafeteria is non-reusable silverware.

The student body is eager to make changes to school practices that are more earth friendly. The initiatives are encouraged and supported by school faculty and staff, the school's principal, school administration and school board members.

Ease of Replication

Schools throughout the country have replaced plastic cutlery with reusable utensils. While the initial expense of purchasing the reusable cutlery is higher than the disposable cutlery, reduced waste has contributed to lower costs for school districts.

Likelihood of Success and Program Replication

The food services staff at the FMS cafeteria is fully behind the students' desire to replace the disposable cutlery. An existing dishwasher has the capacity to wash the reusable utensils.

The Green Team is fully prepared to formally explain and monitor the switch to reusable cutlery to other students during lunch periods. One important benefit of the project is educating students about recycling and ways to reduce waste.

Why the Project is Compelling and Worthy of Funding

By switching to reusable silverware, Freeport Middle School will ensure reduced plastic waste.

The replacement of plastic cutlery in the FMS cafeteria is but one piece of the comprehensive, developing eco-friendly program at FMS. Students on the Green Team are currently initiating projects including: better signage near the existing classroom wastebaskets and recycling containers, and improvements to the "share table" in the cafeteria allowing for reduced food waste. The school department has budgeted for waste, compost and recycling containers. A bucket for liquid waste is being added to the cafeteria as well. Students at FMS have been concerned about the use of plastic for some time. The students on the Green Team have already suggested their desire to tour the recycling facility and arrangements will be made to do that.

3) Grant Request

A total of \$500 is requested for the purchase of reusable cutlery at Freeport Middle School.

4) Resources Contributed to the Project by Freeport Middle School

Freeport Middle School is committed to the total success of the project.

The total cost to purchase reusable cutlery is estimated to exceed \$750. The cutlery is intended to be commercial grade, heavy duty stainless steel. There will not be adequate time in between the three lunch periods to properly clean the cutlery. The purchase will necessarily involve a quantity of forks, knives and spoons to support the entire student body and staff. Any cost for reusable cutlery that is not covered with grant proceeds will be provided by Freeport Middle School through direct purchases and in-kind donations.

To that end, the time and expertise of staff members will be dedicated to making the switch from plastic cutlery to reusable cutlery:

Kathleen Brown - advisor to Green Team

Bertha Hilton - cafeteria manager

Robin Lowell - head custodian

Ray Grogan - principal

Green Team members (currently fourteen active students) will make signs, promote the program and work to communicate with students about the importance of reducing plastic waste.

5) Measurements Taken to Gauge the Impact of the Project

Freeport Middle School will provide data on the amount of plastic cutlery eliminated from the future waste stream as the result of making the switch to reusable cutlery. The Green Team will work with the staff of ecomaine to translate that information to the impact of recycling on the waste stream.

6) Project Sustainability

Once the project is implemented, the reusable cutlery will no longer be available on an on-going basis within our school cafeteria. The plastic contributed to the waste stream will be reduced significantly.

7) Timeline and Reporting

Kathleen Brown, a science teacher at Freeport Middle School and advisor to the Green Team, is the staff member responsible for the grant reporting.

All required reports will be submitted to ecomaine by the March 2, 2020 and May 29, 2020 deadlines.



Project Outline and School Commitment:

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Likelihood of Success and Program Replication

The food services staff at the FMS cafeteria is fully behind the students' desire to replace the disposable cutlery. An existing dishwasher has the capacity to wash the reusable utensils.

The Green Team is fully prepared to formally explain and monitor the switch to reusable cutlery to other students during lunch periods. One important benefit of the project is educating students about recycling and ways to reduce waste.

Why the Project is Compelling and Worthy of Funding

By switching to reusable silverware, Freeport Middle School will ensure reduced plastic waste.

The replacement of plastic cutlery in the FMS cafeteria is but one piece of the comprehensive, developing eco-friendly program at FMS. Students on the Green Team are currently initiating projects including: better signage near the existing classroom wastebaskets and recycling containers, and improvements to the "share table" in the cafeteria allowing for reduced food waste. The school department has budgeted for waste and recycling containers. A bucket for liquid waste is being added to the cafeteria as well. Students at FMS have been concerned about the use of plastic for some time. The students on the Green Team have already suggested their desire to tour the recycling facility and arrangements will be made to do that.

3) Grant Request

A total of \$500 is requested for the purchase of reusable cutlery at Freeport Middle School.

forks	12 cases (432 pcs total)	\$78.96
spoons	12 cases (432 pcs total)	\$58.68
knives	12 cases (432 pcs total)	\$148.32
soup spoon	4 cases (144 pcs total)	\$39.48
Flatware organizer/storage (Cambro 1120CBR110)	2	\$23.98
Bus tubs for dirty utensils (Cambro 21157CBR110)	2	\$32.98
Bus tub cart (Cambro BC340KD110)	1	\$131.70
TOTAL		\$514.10

4) Resources Contributed to the Project by Freeport Middle School

Freeport Middle School is committed to the total success of the project.

The total cost to purchase, implement and maintain the reusable cutlery is estimated to exceed the \$500 grant request. The cutlery is intended to be commercial grade, heavy duty stainless steel. There will not be adequate time in between the three lunch periods to properly clean the cutlery. The purchase will necessarily involve a quantity of forks, knives and spoons to support the entire student body and staff. Any cost for reusable cutlery that is not covered with grant proceeds will be provided by Freeport Middle School through direct purchases and in-kind donations. The cost of chemicals required to properly clean and disinfect the cutlery is estimated to be \$200 per month.

To that end, the time and expertise of staff members will be dedicated to making the switch from plastic cutlery to reusable cutlery:

Kathleen Brown - advisor to Green Team

Erin Dow - school nutrition director

Bertha Hilton - cafeteria manager

Robin Lowell - head custodian

Ray Grogan - principal

Green Team members (currently fourteen active students) will make signs, promote the program and work to communicate with students about the importance of reducing plastic waste.

5) Measurements Taken to Gauge the Impact of the Project

Freeport Middle School will provide data on the amount of plastic cutlery eliminated from the future waste stream as the result of making the switch to reusable cutlery. The Green Team will work with the staff of ecomaine to translate that information to the impact of recycling on the waste stream.

6) Project Sustainability

Once the project is implemented, the reusable cutlery will no longer be available on an on-going basis within our school cafeteria. The plastic contributed to the waste stream will be reduced significantly.

7) Timeline and Reporting

Kathleen Brown, a science teacher at Freeport Middle School and advisor to the Green Team, is the staff member responsible for the grant reporting.

All required reports will be submitted to ecomaine by the March 2, 2020 and May 29, 2020 deadlines.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

\$4,936 actual to

ecomaine community: Gorham Amount Requested: ~~\$5,000.00~~

Name of school: Gorham High School


School Address: 41 Morrill Ave. Gorham ME 04038

Name of Superintendent/Principal/President (please print): Brian Jandreau

Contact Information (required):

Phone: (207)222-1128 Email: brian.jandreau@gorhamschools.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.



Superintendent/Principal/President Signature

10/24/19
Date

Staff leader for the proposed project

Name: Rachael Grady Position/Title: Social Studies Teacher / Advisor of the EcoClub

Contact Information (required):

Phone: (207)222-1100 Email: rachael.grady@gorhamschools.org

Mailing Address: 41 Morrill Ave. Gorham ME 04038

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2. Project Description

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

- Project outline and school commitment
- Ease of project replication
- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used?

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
Please see attached	
Total Grant Request	\$

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

5. What measurements will be taken to gauge and evaluate the impact of the project?

6. How will the project be sustained?

7. Timeline and Reporting

ecomaine requires that grant recipients complete mid-term and final reports during the course of their specified project. Please identify the **individual(s) (and their contact information)** who will be responsible for completing the reports, and a **timeline** for when reports will be completed. **Mid-term reports** should be completed no later than **March 2, 2020**. **Final reports** should be completed no later than **May 29, 2020**. The final payment will be contingent upon receipt and approval of your reports. Future awards may be contingent upon timely reporting.

**ecomaine(School(Recycling(Grants(A "partnership"with"schools"to"reduce"solid"
"waste"disposal"and"increase"recycling."**

Project Description

In April 2019, fifteen inspired students came together to start an Eco Club at Gorham High School. By this point, in October, there are over 150 students and many faculty/staff members who passionately want to help save the planet. We have already organized and hosted events such as a climate rally and a local litter pickup; we have held several informational meetings to increase knowledge and awareness of climate change and to plan steps we can take to reduce our carbon footprint. Now we have many plans to achieve a more eco-friendly school environment and community! We are inspired by the efforts of neighboring schools such as South Portland and Portland high schools to greenify education and affect policies in the region.

Our primary goal is to bring recycling and composting to our cafeteria. In fact, it is part of our Comprehensive School Plan to "promote global wellness by supporting recycling and waste reduction efforts, including composting, in the cafeteria and throughout the school." At this point, the cafeteria serves food in single-use plastic bowls and paper plates. Students then select single-use plastic utensils to eat their food. Currently, there are only trash cans and containers for returnable cans and bottles. In other words, GHS has a lot of waste with no avenue at all to recycle in the cafeteria. By attaining recycling and composting containers, EcoClub, with the full support of administration and food services, will begin to remedy this situation. Additionally, Gorham High School, Gorham School Nutrition Program, and the Gorham Superintendent has expressed enthusiastic support for this effort and are prepared to invest future money to make it sustainable.

The Durham 3-Stream Food Service Recycling Station will make beginning the transition to a greener cafeteria easier. It will also be easy to replicate for other schools in the district or region. GHS is interested in serving as a pilot site for the other schools in the Gorham School System, and other schools in our community have already expressed interest in joining this effort. The project consists of setting up the containers in a prominent, visible and convenient location and requires help from the cafeteria and custodial staff who have indicated their support. With sufficient funding from EcoMaine, this project can begin to make a huge difference at GHS with the goal of continuing throughout the entire Gorham community. The support this application has received from various stakeholders in Gorham should serve as an indicator of the high probability of its sustainability.

Additionally, a transition to reusable melamine trays and metal silverware, rather than single-use plastics, would reduce waste dramatically and model responsible and sustainable practices. The conditions in the GHS cafeteria do not compare to those in neighboring school systems, where at least basic recycling is practiced. This project is guaranteed to improve current conditions, and is crucial to beginning the transition to a greener Gorham High School!

For what, specifically, will the money be used?

Grant Tasks/Items	Costs
Durham 3-Stream Food Service Recycling Station	\$2880.00
Central Restaurant Products Mottled Melamine Tray	\$86.99 for 12 x 20 means 240 trays = \$1739.80
TigerChef Basic Flatware: Spoons, Knives, Forks	60 dozen 288 spoons = \$61.20 60 dozen 288 knives = \$175.80 60 dozen 288 forks = \$79.20
Total Grant Request	\$4936.02

https://www.recycleaway.com/Durham-3-Stream-Foodservice-Recycling-Station_p_1792.html

<https://www.centralrestaurant.com/Mottled-Melamine-Six-Compartment-Tray---For-Right-Hand-Use---15-Wx10-D-c163p23112.html>

<https://www.tigerchef.com/basic-flatware.html>

What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

Before implementation, EcoClub members will create a "how-to-recycle-and-compost" presentation to share with all GHS students, staff, and the Gorham School Committee and to display on the two flatscreen TVs in the cafeteria. Administrators will work with the cafeteria staff and custodial staff to help facilitate the transition, and EcoClub members will act as role models and facilitators during all three lunches. Our goal is to be actively recycling and composting by January 2020, well in time to write the midterm report for EcoMaine in March.

Furthermore, the Director of the School Nutrition Program and the GHS Principal will work with students to propose a new position paid for with district money that will oversee recycling efforts at GHS. Moreover, the school system is prepared to offer money to ensure the success of the program, particularly that it is sustainable.

What measurements will be taken to gauge and evaluate the impact of the project?

We will compare the purchasing expense of single-use plastic utensils and dining ware with the expenses of increased recycling and composting over time. We can implement a trash audit

before we begin our project and contrast it with later audits, to gauge our effectiveness and efficiency. We can also request feedback from cafeteria staff and custodial staff as well as administration and students to best understand how to continually improve. There is support from students, staff, and administrators to ensure this happens.

How will the project be sustained?

Once installed in the cafeteria, the recycling station is easy to maintain over time. With our presentation to the school community, students and adults will have a greater understanding of how simply recycling can be, and people will become accustomed to recycling and composting at GHS. Through these efforts, it will become a sustainable part of our school culture. Evidence of this can already be seen in the fact that 173 students have become involved and active in our school's Eco Club. Furthermore, the school system has indicated an interest in making a financial commitment to this effort, and we are preparing a proposal to create a new position to oversee these efforts.

Timeline and reporting

Before the project starts, we will conduct an initial inventory of our trash (food waste, etc.). We will weigh the trash over the course of a week, and this will serve as baseline data. We will weigh trash periodically to determine if we are making progress. Midterm and final reports will be written and submitted in a timely manner by student leaders of the EcoClub with the assistance of the club advisor Rachael Grady.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:**October 25, 2019**

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Kittery Schools Amount Requested: \$3,800

Name of school: Kittery School District


School Address: 200 Rogers Road, Kittery ME, 03904

Name of Superintendent/Principal/President (please print): Eric Waddell

Contact Information (required):

Phone: (207) 475-1334 Email: ewaddell@kitteryschools.com

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.


Superintendent/Principal/President Signature

10-24-19
Date

Staff leader for the proposed project

Name: Jen Thayer Position/Title: Educational Technician and Sustainability Director

Contact Information (required):

Phone: (207) 752-2759 Email: jthayer@kitteryschools.com

Mailing Address: 47 Martin Road, Kittery ME, 03904

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2. Project Description

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

- Project outline and school commitment
- Ease of project replication
- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used?

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
Mr. Fox Composting Services 2019-2020	
School Year: Mitchell, Shapleigh, Traip	
Total Grant Request	\$ 3,800

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

5. What measurements will be taken to gauge and evaluate the impact of the project?

6. How will the project be sustained?

7. Timeline and Reporting

ecomaine requires that grant recipients complete mid-term and final reports during the course of their specified project. Please identify the **individual(s) (and their contact information)** who will be responsible for completing the reports, and a **timeline** for when reports will be completed. **Mid-term reports** should be completed no later than **March 2, 2020**. **Final reports** should be completed no later than **May 29, 2020**. The final payment will be contingent upon receipt and approval of your reports. Future awards may be contingent upon timely reporting.

Traip Academy Ecomaine School Recycling Grant

Project Description:

As a high school senior at Traip Academy, my hope is to leave my high school with a legacy of sustainable practices. My goal for this project is to continue composting at Horace Mitchell Primary School and Shapleigh Middle School, and to add composting at R.W. Traip Academy. The plan is to have Mr. Fox Composting take and collect compost once a week from each of the three Kittery schools for the whole 2019-2020 school year. At the end of the year, we will receive two yards of soil from Mr. Fox. This will not only reduce the amount of food waste that our schools are producing, but connect our school further to the Traip garden.

Additionally, my plan is to create educational experiences for students at all three of the Kittery schools. Education surrounding the practice of composting and its environmental benefits will help students not only understand the importance of composting, but will also encourage them to actively participate in composting themselves. We plan to create educational presentations teaching them how to properly compost and showing them the true impact that compost has on our environment. If the students are able to make a personal connection to the difference that are having in the world, I know that this will encourage them to be more eager and respectful when it comes to composting in our schools. This project could be easily replicated due to its lack of complexity and high potential for serious impact. With sufficient funds, other schools could pay for Mr. Fox Composting services at their schools, allowing them to easily compost their school's food waste.

In terms of the educational aspect, there is endless information and resources on the internet that could help schools educate themselves and others about the importance of composting. Additionally, I plan on working this semester to create a page on the Kittery School District website with links and resources to composting information, that could be accessed by others schools. I have no doubt that this project is going to be very successful. We have already had Mr. Fox Composting services at both Horace Mitchell Primary School and Shapleigh School for the past five years. The students at both schools are actively engaged in monitoring the compost. Additionally, they are learning about the importance of sustainable practices through groups like the Green Team and the Sustainability Club. In terms of Traip Academy, we began composting last year through a project led by me, my fellow Traip student Elias Matso, and Mrs. Jen Thayer our advisor. We hand made composting signs for the cafeteria out of recycled materials, and set up bins for students to compost in. We were composting without a composting service, meaning we were often carrying the compost from the cafeteria to the Traip garden ourselves. There was no backlash received from the students, and many were eager to get involved in our efforts for reducing waste. Traip students were respectful and curious about the compost, and we had few issues with contamination. We are just three of the many people at Traip committed to making our school more sustainable, which shows the promise of the success of composting here at this school. Funding is our only roadblock in sustaining this project. However, this year I am committed to investigating ways to receive the funding to keep this practice going at all three schools.

Additionally, I will work this year to share our excitement and experiences about composting with the Kittery school administrators and the school committee and my efforts to work the cost of Mr. Fox Composting back into the district budget. The engagement and desire to continue on a track of sustainability is already very promising in our town. This is shown through programs such as the Green Teams at all three schools, our Traip community garden, and the overall interest in sustainability from the students in the Kittery School District. This project is compelling and worthy of funding because of the time, effort, and passion that I know so many people are willing to put into it. We need the money for this project because composting without Mr. Fox's services is not something that I believe can be sustained in the Kittery School District. It requires too much individual efforts that may not be able to be continued for consecutive years. Additionally, not as many food scraps can be composted when it is "at home" composting. Mr. Fox Composting services allows us to compost dairy products, which will greatly reduce the amount of food waste our school is producing. Additionally, our cold climate makes it almost impossible to compost on our own in the winter. Mr. Fox composting services will allow us to compost consistently and effectively for the whole school year, at all three schools. Receiving the funds for Mr. Fox composting for all three schools this year will be a huge step in reducing our waste. This project will only be the first step in many initiatives to make each of our schools more environmentally friendly.

4. What resources will be contributed by the school (Staff time, materials, tools, matching funding, etc.)

One of the main resources that each school will contribute is staff and student involvement. This will be shown through active participation in composting in the cafeteria, and showing overall support for our school's goal of becoming more sustainable. In November, students at all three schools will get the chance to learn more about composting from Katrina Venhuizen from EcoMaine. Anne Masury at Mitchell School will contribute her time to leading the Green Team there. Due to her efforts and student involvement, there will be members of the Green Team manning the bins in the Mitchell cafeteria to help avoid contamination. Shapleigh school will also have trained lunch monitors for the compost bins. Additionally, staff time will be contributed from Jen Thayer to help continue to look for grants and funding in the future for other sustainable projects.

5. What measurements will be taken to gauge and evaluate the impact of the project?

We will continuously monitor and check in on the state of the compost at each of the schools, to gauge the amount of contamination and the overall participation. Additionally, I plan to send out a survey to the staff and students of Traip, asking them about how they feel about composting and if they feel as though they are making a positive impact. I also plan to survey and question both the cafeteria and custodial staff to gauge how they are feeling about our composting project and what we could change to make it easier for them.

6. How will the project be sustained?

The project will be sustained through staff and student dedication to keeping sustainable practices going at the Kittery Schools. Additionally, we plan to create educational presentations

for students and staff at all three schools, teaching them how to properly compost and showing them the true impact that compost has on our environment. If the students are able to make a personal connection to the difference that are having in the world, I know that this will encourage them to be more eager and respectful when it comes to composting in our schools. These educational opportunities will begin at the start of November when Katrina Venhuizen from EcoMaine will come to speak at all three of our schools. Additionally, I am working to create a base of information about the impact of composting, that will be accessible to all students. This will help inform and get students excited about our sustainable practices in the Kittery Schools. Receiving the funds for Mr. Fox Composting services this year, will give us backing and evidence to support our argument to proving to the town how important composting is at our schools. We will be able to use this year's success at composting as reasoning of why the practice is not only crucial, but very impactful. Hopefully these points will give us a good argument to convince our schools to rework this into the budget. However, if this is not possible, Jen Thayer and I plan to continue to search for other grants or other ways that would allow us to fund this project. We are committed to keeping composting going at Traip.

7. Timeline and Reporting

As of now, composting has started again for the year in all three schools. Mr. Fox has agreed to begin picking up our compost for the year, with the promise of payment in the spring. In the coming weeks, I plan on creating educational presentations for my classmates, teaching them about the importance of composting in our schools. Additionally, I plan on presenting about this project at the school board midway into the year, to update them on our progress. The individuals that will be responsible for the reports are me, Molly Stites (20mstites@traipacademy.org) and Jen Thayer (jthayer@traipacademy.org).

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Lincolnville, Maine Amount Requested: \$1,690.00

Name of school: Lincolnville Central School

School Address: 523 Hope Road Lincolnville, Maine 04849

Name of Superintendent/Principal/President (please print): Paul Russo

Contact Information (required):

Phone: 207-763-3366

Email: paul.russo@fivetowns.net

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.



Superintendent/Principal/President Signature

10/24/19
Date

Staff leader for the proposed project

Name: Angela Wheaton

Position/Title: Food Service Director

Contact Information (required):

Phone: 207-944-5068

Email: angela.wheaton@fivetowns.net

Mailing Address: 523 Hope Road, Lincolnville, ME 04849

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2. Project Description

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

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- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used?

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
Total Grant Request	\$

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

5. What measurements will be taken to gauge and evaluate the impact of the project?

6. How will the project be sustained?

7. Timeline and Reporting

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ecomaine School Recycling Grant

1. Previous ecomaine Grant(s)

Lincolnville Central School has not received a school recycling grant from ecomaine in the past.

2. Project Description

Members of Lincolnville Central School Food Service along with Getting Rid Of Waste (G.R.O.W) a student run recycling group, created a program to reduce waste from the cafeteria. Last school year; a pilot program was initiated to determine how much waste from the cafeteria was being thrown away. Two months of data determined a 46 pound daily average of total waste. Of the 46 pounds, 26 was food waste, and 5 pounds was milk cartons. A food waste composting program will reduce waste thrown away in the cafeteria, by an estimated 57 percent. A milk carton recycling program will further reduce the waste by 11 percent. These two programs will bring awareness to the issue of food waste, and recycling at our school.

This year we have partnered with ScrapDogs Composting, a local company, to turn our food waste into compost for our school garden. Our composting program consists of students separating their food waste from other trash when exiting the cafeteria after lunch. We have two 5 gallon buckets for students to dump their food waste into. The custodian dumps the food waste into a larger tote outside. The large tote is then picked up every Friday by ScrapDogs and replaced with a clean tote to start out the next week. The current program is easily replicated every day and runs with very little effort from students and staff. With additional funds for a milk carton recycling program, we hope to reduce our waste further.

Our milk carton recycling program will run alongside our food waste program. We will partner with Casella, a waste and recycling removal service. Students are already in the habit of separating their trash, milk cartons, and food waste at lunch; however a lack of funds for outdoor recycling storage and weekly recycling removal has prevented them from actually being recycled. These funds will enable us to purchase adequate storage/collection bins - two 96 gallon totes - for recycled milk cartons and pay for Casella to take the cartons weekly to a recycling center. Our custodians will fill the totes alongside the food waste tote located outside. The milk carton recycling program is easily executed daily with the help of cafeteria staff monitoring the separating of trash. Based upon the waste audit that GROW completed, the Lincolnville Central School will be able to reduce waste by 68% with both the composting, and recycling programs.

So far this year, we have saved an estimated 940 pounds of waste from entering landfills. We hope to increase this amount with the recycling of milk cartons. Our new composting program has provided an example to the rest of the school community. The program has created lots of learning opportunities, as well as initiated lots of discussions throughout the school. Our Gifted and Talented students created and put up posters on reducing waste and recycling. The Science teacher has educated students on nutrient cycling and how composting works. The cafeteria has stopped all use of straws and limited plastic when possible. The garden in the spring will benefit greatly with added nutrients to help support better plant growth in turn using the food to feed students. We are excited to be able to use the funds to ensure that these programs can continue at our school. The programs will also encourage more ways to recycle and reduce waste in other departments at Lincolnville Central School.

3. For what, specifically, with the money be used?

Grant Tasks/Items	Costs
Compost hauling fee (ScrapDogs)	\$600.00
Milk carton hauling fee (Casella)	\$650.00
Two 96 gallon totes for recycling milk cartons	\$240.00
Wood for tote recycling storage	\$200.00
Total Grant Request	\$1690.00

4. What resources will be contributed by the school?

Lincolnvile Central School has and will donate staff time to this program. Custodian time to help students separate waste and dispose of food waste in appropriate recycling bins. Food Service Staff, and other teacher's time to help and provide guidance to students. The garden coordinator and a handful of teachers have created lesson plans integrating the benefits of composting, growing food, and cooking it for consumption. This helps students understand the full circle of reducing waste. The school has provided paper and materials for posters to inform others about the program. We have paid for soil testing to determine how much compost is needed to sustain adequate plant growth in the garden. With the reduction of waste, the hope is to reduce the cost of our trash removal. The money saved will help fund the compost hauling fee in the years to come. Paint and labor to building a storage area for the food scrap and milk carton waste will be donated.

5. What measurements will be taken to gauge and evaluate the impact of the project?

Waste, recycled milk cartons, and food waste will be weighed daily for one week each of the following months: November, December, January, March, April, May. Data will be collected to see how much food waste, and recycled milk cartons in pounds on a daily average and year to date has been recycled. G.R.O.W along with Food Service members, and Teachers will discuss how and if we need to modify the programs. We will also contact our waste management company to see if we can reduce our trash removal fee due to the reduction of waste.

6. How will the project be sustained?

The composting program is expected to sustain itself after the first year. Excess compost will be available for parents and community members to purchase. Money from the sale of compost can offset the cost of ScrapDogs hauling fee for next year. The milk carton recycling program will help reduce waste being hauled away by our waste management company. Lincolnvile Central School will seek alternate, more reliable sources of funding next year to keep the program running for years to come.

7. Timeline and Reporting

The Food Service Director will report to ecomaine on March 2, 2020 as well as May 29th, 2020. Reports will include the composting and milk carton recycling programs data, the success of the programs, and how we can improve.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

revised

ecomaine community: Readfield, ME Amount Requested: \$1000

Name of school: Maranacook Community Middle School

School Address: 2100 Millard Hamson Dr. Readfield ME 04355

Name of Superintendent/Principal/President (please print): _____

Contact Information (required):

Phone: (207) 685-3128 x1128 Email: Knsten-Levesque@maranacook.com

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

Knsten Levesque, EdD, Principal
Superintendent/Principal/President Signature

9/25/19
Date

Staff leader for the proposed project

Name: Knsten Levesque Position/Title: Principal
"Green Team" Advisor

Contact Information (required):

Phone: (207) 776-8043 Email: Knsten-Levesque@maranacook.com

Mailing Address: 2100 Millard Hamson Drive
Readfield ME 04355

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2. Project Description

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

- Project outline and school commitment
- Ease of project replication
- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used?

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
Bins (18) \$600 / 1 Large bin (\$60)	\$660
Apparel \$180 / signage \$140	\$980
Total Grant Request	\$980 - \$1000 (approx)

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)? *Staff Time, Student time*

5. What measurements will be taken to gauge and evaluate the impact of the project? *Baseline data and end of the year data*

6. How will the project be sustained? *Through staff and student involvement*

7. Timeline and Reporting *Please see attached.*

ecomaine requires that grant recipients complete mid-term and final reports during the course of their specified project. Please identify the **individual(s) (and their contact information)** who will be responsible for completing the reports, and a **timeline** for when reports will be completed. **Mid-term reports** should be completed no later than **March 2, 2020**. **Final reports** should be completed no later than **May 29, 2020**. The final payment will be contingent upon receipt and approval of your reports. Future awards may be contingent upon timely reporting.

**Maranacook Community Middle School
School Recycling Grant
9/26/19**

Project Description: Plan for Increasing Recycling

My school district no longer recycled due to the extra costs associated with it. The middle school was very uncomfortable with this as they had come accustomed to being a "green school." As a result the middle school created a "green team" last year which resulted in students collecting the recycling and a staff member taking care of the recycling on their own time.

This year, we would like to expand this program by purchasing recycling bins for each classroom (right now we use cardboard boxes), and a large bin with wheels to collect the recycling in. We would also like to purchase signs that identify the school as a "green school" and 15-20 hats or shirts to promote the green team and its ideas.

Project Outline

10/1/19: Green Team Information Session and official 2019-20 start date

Ongoing: *Green Team meets weekly to collect school-wide recycling. Staff member takes recycling to the recycling center on their own time.*

11/1/19: Recycling bins and large bin ordered

11/15/19: Signage purchased

12/2/19: Green Team apparel items purchased and given to team members

By 1/2020: Signed posted and apparel items distributed

3/2/2020: Mid Year report sent in

5/29/20: Final Year report sent in

School Commitment

The school is committed to keeping the Green Team going throughout the 2019-20 school year. The students will continue to collect the recycling and there is a staff member who will bring recycling to the recycling center. The funds from this grant will help us to do this more effectively.

Ease of Project Replication

This project is relatively simple as long as the school has willing participants. It can easily be replicated in most any school or grade span.

Likelihood of Success and Sustainability

As this project was successful for a year without funds, I am confident it will be successful this year. The grant will allow for us to do a better job and also allow us to better publicize and inform about recycling within our school community.

Why We Should be Funded

We have a proven method for keeping recycling going at our school. Funding us a guarantee of supporting a program already working and helping us to make it better.

Money Requested (also on application table)

Task/ Items and cost

1. Bins (18 recycling bins for classes (appx. \$600) and 1 large bin to collection (\$60))
2. Apparel (\$180) and signage (\$140)

School Contributions

Staff time: Approximately 1 hour per week outside of school, and 1 hour per week during the school week.

Student time: 1-2 hours per week, during the school day

Materials: recycling bins, large bin, apparel (shirts or hats), signage

Tools: Not needed

Funding: \$1,000

Ways to Gauge and Evaluate Impact

We will collect baseline data about how many classrooms regularly recycle now versus how many do and the end of the year, With all the new bins. We will also collect data on how many bags of recycling we collect each week.

Sustainability Design

As this project was successful for a year without funds, I am confident it will be successful this year. The grant will allow for us to do a better job and also allow us to better publicize and inform about recycling within our school community.

Timeline and Reporting

10/1/19: Green Team Information Session and official 2019-20 start date

Ongoing: *Green Team meets weekly to collect school-wide recycling. Staff member takes recycling to the recycling center on their own time.*

11/1/19: Recycling bins and large bin ordered

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3/2/2020: Mid Year report sent in

5/29/20: Final Year report sent in

Revised

Subject: Re: grant request question
Date: Friday, October 25, 2019 at 4:13:11 PM GMT-04:00
From: Kristen Levesque
To: Katrina Venhuizen

Hi Katrina,

Those would work wonderfully! Thank you!

I look forward to hearing from you,

Kristen

On Fri, Oct 25, 2019 at 12:25 PM Katrina Venhuizen <venhuizen@ecomaine.org> wrote:

Hello Kristen,

I have a simple question about your grant request. Would a 22 gallon 20in tall by 18 in wide by 14 inches deep work for your classrooms? There is a photo of the bin attached (found on our Facebook page at our open house). See if that will work for you. They are around \$8 to \$10 each which means you would spend maximum \$180 on small bins instead of \$600. Let me know if these might work for you.

We are judging the grants on November 7th and I will let you know either way asap after that but your goal seems solid and strong!! Best of luck!

Katrina Bussiere-Venhuizen, Senior Environmental Educator
Email: venhuizen@ecomaine.org
Work: 207-523-3141
Cell: 512-949-9201
ecomaine
www.ecomaine.org | [Facebook](#) | [Twitter](#) | [Instagram](#) | [YouTube](#)

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Kristen Levesque
Principal
Maranacook Community Middle School
(207) 685-3128 x1128

Revised

ecomaine School Recycling Grant Request

ecomaine Community: Portland

Amount Requested: \$7,800.00

Name of Schools:

Portland Public Schools:

Lyseth Elementary School

Ocean Avenue School

Presumpscot Elementary School

Riverton Elementary School

Contact School Address:

69 Presumpscot Street, Portland, ME 04103

Name of Principals supporting project:

Angela Taylor, Presumpscot Elementary School

Lenore Williams, Lyseth Elementary School

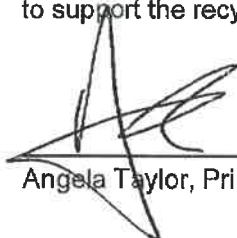
Ann Hanna, Riverton Elementary School

Beverly Stevens, Ocean Avenue School

Contact Phone: (207) 874-8220

Email: tayloa@portlandschools.org

I agree to accept any grant money we may receive from ecomaine on behalf of the schools and to support the recycling/waste reduction plans described in this application.



Angela Taylor, Principal

10/30/19

Date

Staff leader for the proposed project:

Name: Angela Taylor

Position/Title: Principal

Presumpscot Elementary School

Phone: 207-874-8220

Email: tayloa@portlandschools.org

Mailing Address: 69 Presumpscot Street, Portland, ME 04103

1. Previous ecomaine Grant? __Yes __X__ No The district has received grants to support initiatives at other schools.

2. Project Description: Portland Public Schools seeks to reduce their waste by installing single-sort recycling dumpsters at four elementary schools. Students and staff will be empowered to better manage waste through single-sort recycling. Currently, there are no large receptacles at these schools and, when

the smaller bins fill, materials that could be recycled go to the landfill. By obtaining these recycling dumpsters will will increase our capacity to recycle at our schools.

- **School Commitment:** Portland Public Schools' Facilities Coordinator, Doug Sherwood, is 100% behind this project, with commitment to support recycling efforts at each school. District support for reducing waste is evidenced by the *Striving for Zero Waste and Eco-Schools Recognition* initiative (see attached). Oversight by the Facilities Coordinator will streamline the process and hold each school accountable for participation by all involved, which includes staff, teachers and students.
- **Ease of Project Replication:** Working collaboratively to implement these new practices at multiple schools will ensure the project's continued success. As a collaborative effort, schools will gather information and materials in support of recycling in our classrooms and cafeterias. The knowledge and materials will be shared between schools to enrich teachers, staff and students' recycling efforts. Working together will increase our capacity to distribute information and think creatively about student engagement.
- **Likelihood of Success and Sustainability:** Portland Public Schools (PPS) takes on projects with utmost consideration of having the capacity to manage and sustain them over time. PPS has carefully planned the integration of this new recycling effort and kept the effort simple to ensure that this sustainability effort can be undertaken successfully and maintained over time as part of classroom/office practices and school services.
- **Why the Project is Compelling and Worthy of Funding:** The State of Maine has mandated that communities implement an approach to solid waste disposal that includes an increase in recycling. By obtaining four single-sort large capacity (8 cubic yard) receptacles, these schools will significantly increase their ability to recycle, thus meeting the mandates set out by the State. For a number of years, students, teachers, custodial staff and parents have asked for support in creating a robust recycling program that meets the needs of our schools. Not only will these single-sort receptacles provide an increase in our recycling stream, but this initiative will provide educational opportunities for our students that support PPS' values and commitment to the environment. The positive modeling of recycling practices could eventually lead to further recycling in students' homes. Furthermore, the scope of this larger-scale project will impact multiple Portland neighborhoods.

3. Use of Funding: Funding from this grant will purchase four single-sort recycling dumpsters and provide shipping fees.

Grant Task/Items	Description	Costs
Purchasing Fees	(4) 8-yard single-sort recycling bins from Wastequip	\$1,750 X 4=\$7,000.00
Shipping fees	Required cost to deliver four recycling bins	\$800.00
Total Request		\$ 7,800.00

4. Resources to be contributed by schools/district: Participating schools will contribute teacher, staff and student recycling education and training during the school year. Curricular materials will be created and shared to engage students in their classroom and/or cafeteria recycling programs. Each year these

materials will be used to educate and re-educate students entering Portland Public Schools system, thus continuing student engagement through the years. Doug Sherwood will support custodial staff with trainings and supplies. Additionally, and where needed, the district will create and maintain space for large capacity recycling bins. In the future, we hope to partner with ecomaine to utilize their education expertise to enrich our recycling programming at these schools.

5. What measurements will be taken to gauge and evaluate the impact of the project?

- # single-sort recycling bins installed
- # engagement opportunities offered for students/teachers/staff

6. How will the program be sustained? The purchase of single-sort bins provides the infrastructure for school recycling that will last many years, providing educational opportunities for students, staff and teachers. Furthermore, use of these bins is designed to be integrated into classroom/office practices and school services so that this effort can be maintained over time as part of regular operations.

**Portland Public Schools
And
Waste Reduction Group
Collaboration**

Striving For Zero Waste and Eco-Schools Recognition

2011-2012 Cafeteria Recycling and Waste Separation Stations

Revised September 18, 2014

Station #1 – separate liquid waste

Clean plastic bucket (3 to 5 gallons) on table to collect unused milk, juice, etc.

Station #2a – recycle liquid waste containers

Recycling - Small (39 gallon), blue recycling wheeled toter with liner for milk, juice, etc. containers --- we will be exploring purchase of larger trash liner – the current containers at PHS are larger, but will work for now

Station #2b (as required) - redeemables

Container (could be trash barrel) with liner to collect redeemable cans and bottles

Station #2c (as required) – special collection

Terracycle or other potentially cash generating school initiatives

Station #3 - trash

Traditional grey trash barrel with black liner

Station #4 – separate food waste

Small (39 gallon), green food waste toter

Station #5 – lunch trays

Table, trash barrel or other collection option to stack lunch trays that are later put aside for composting (paper board)



1. Previous ecomaine Grant? __Yes __X_ No → OAE has neither applied for nor received an ecomaine grant

2. Project Description: Ocean Avenue Elementary School (OAE) seeks to begin recycling all its used cardboard to reduce unnecessary contributions to the waste stream and help the environment. Currently, OAE uses recycling bins for cardboard waste. These bins fill quickly and much of the recycling has to be thrown into the trash. Additionally, many recycling bins in classrooms and the cafeteria are contaminated with waste. When students learned about this waste, they seized it as an opportunity to lead a new effort to reduce this impact and educate the school about sorting waste.

- **School Commitment:** OAE School is a LEEDS-certified school, with a green roof, volunteer-built outdoor classroom, community gardens, a commitment to wellness and the new use of reusable silverware in its cafeteria to reduce waste. OAE is also one of the first schools in Maine to adopt composting. The school is 100% behind this project, with commitment to sort/recycle its cardboard to reduce waste entering landfills.
- **Ease of Project Replication:** OAE will make this project into a model for other schools within the Portland school system and beyond - documenting their planning process, steps to success and sharing their training and outreach materials with those interested in cardboard recycling and the implementation of "Green Road Shows." In these multimedia presentations ("Green Road Shows") OAE Green Club students (K-5) will teach their peers these new recycling practices. The shows will be ten to fifteen minutes long and will be presented in each classroom twice per year. The Green Club will also help to choose two volunteer "Green Champions" for each classroom, who will help to keep their classmates on the path to proper sorting in their classroom and in the cafeteria.
- **Likelihood of Success and Sustainability:** OAE takes on projects with utmost consideration of having the capacity to manage and sustain them over time. OAE has carefully planned the integration of this new recycling effort and kept the effort simple to ensure that this sustainability effort can be undertaken successfully and maintained over time as part of classroom/office practices and school services.
- **Why the Project is Compelling and Worthy of Funding:** This project was initiated by students, who then worked actively over a year to develop real-world plans with OAE staff and adult volunteers. Building on their success bringing metal silverware into the school cafeteria to replace disposable plastic ware, this project is the culmination of combined student and school commitment to reducing waste and their partnership focused on caring for their environment. The Green Club plans to share their project with local media to hopefully inspire others to take on similar efforts.

3. Use of Funding: Funding from this grant will purchase the school's first separate cardboard-only dumpster.

Grant Task/Items	Description	Costs
Cardboard-only dumpster	8 yard cardboard-only recycling bin from Wastequip	\$1,750
Shipping fees	Required cost to deliver recycling bin	\$600 + (\$200 in donations)
Total Ask		\$2350

4. Resources to be contributed by others: OAE School will contribute teacher training, janitorial staff time sorting and managing the dumpster, classroom time spent on this topic with students, presentations during two school "community meetings" in 2020. The OAE student Green Club will contribute \$200 in donations*, assist with student engagement and peer teaching/training; including its multimedia "Green Road Show" training classmates how to sort their waste in the classroom and reduce unnecessary waste in their daily lives.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:**October 25, 2019**

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Portland Amount Requested: 2500

Name of school: Riverton Elementary School

School Address: 1600 Forest Ave, Portland, ME 04103

Name of Superintendent/Principal/President (please print): Ann Hanna, Principa

Contact Information (required):

Phone: 207-874-8210 Email: hannaan@portlandschools.

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.


Superintendent/Principal/President Signature

10/23/19
Date

Staff leader for the proposed project

Name: Kerri LeSieur Position/Title: Vice Principal

Contact Information (required):

Phone: 207-874-8210 Email: lesiek@portlandschools.org

Mailing Address: 1600 Forest Ave, Portland, ME 04103

Riverton Elementary School EcoMaine Grant

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecoMaine?

No, not that we are aware.

2. Project Description

Riverton Elementary School is one of nine elementary schools in the Portland Public Schools district. The district began a composting program in 2011 and began recycling long before that. At Riverton, it has been challenging to maintain a successful cafeteria waste separation program due to an absence of staff and student involvement and inadequate waste stations. An EcoMaine grant would help the school improve their existing waste separation system through the establishment of a Green Team and new materials for the waste stations. Riverton is committed to creating a sustainable cafeteria waste separation system by empowering and educating our future leaders.

With an EcoMaine grant, we will create a Green Team at Riverton to oversee and improve the cafeteria waste separation program. The Green Team will be led by a teacher who is passionate about sustainability. This will give the students structure and expertise from someone inside the school. Part of the grant will go toward a stipend for the Green Team advisor to ensure the sustainability of the club and limit burnout. Other PPS schools have struggled to maintain clubs that are solely run by volunteers, as they often feel undervalued by the school. The Green Team will monitor, educate, and train the other students on composting and recycling. The first major task of the Green Team will be to create a video specific to Riverton Elementary School on how to separate waste in the cafeteria. This video will feature students and be used to train students now and in future years.

In addition to establishing a Green Team, we will purchase new bins and signs customized to the Riverton students for both cafeteria waste separation stations. Currently, the bins are too tall for the younger students and some students are not yet able to read the signs. We will create and purchase colorful signs that are specific to the materials that Portland Public Schools uses in their cafeteria. These signs and bins can be a model for other elementary schools in Portland and beyond.

Overall, creating a program that is run by and for students will increase its success and sustainability. Riverton believes that students learn better when they are empowered and feel capable. Students become empowered when they take ownership of their learning. A Green

Team will allow students to teach their fellow students, be creative in the ways that they educate others, and work together to solve barriers in this process.

3. For what, specifically, will the money be used?

Grant Task / Items	Costs
Trash, Recycling, Liquids Bins	\$600
Signage	\$200
Green Team Leader Stipend	\$1000
Video Editing and Production	\$700
Total Grant Request	\$2500

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

The advisor of the Green Team, as well as the Head Custodian, will both contribute time and energy towards this project. The Green Team will spend at least a few hours each month planning and implementing the improved system. After this program has been running for the year, Riverton will provide a stipend for the teacher advisor to continue the program. This spring, Riverton will dedicate part of its community meetings each month (which includes the entire school) towards the discussion of this project.

5. What measurements will be taken to gauge and evaluate the impact of the project?

We are planning to create a poll for students on how they participate in composting and recycling, both before and after the grant is received. In addition to asking questions about their habits at school, we will ask about their composting and recycling habits at home to see if those change as we improve the program at Riverton. We will complete a waste audit with the Green Team before and after the establishment of the new system to measure its success.

6. How will the project be sustained?

Student involvement in the Green Team will continue throughout their elementary school years and be passed on to younger students. The video created will also train the teachers and lunch aids who are pertinent to the success of the program. As their knowledge about waste management increases, they will be able to help students sort as well. After this program has been running for the year, Riverton Elementary will provide a stipend for the teacher advisor to continue the program. Additionally, the purchased bins and signage will last for future years.

Riverton hosts monthly community meetings in which staff and students will continue to discuss the cafeteria waste program. Additionally, the Sustainable Practices Action Group of the Portland Public Schools will continue to work with Riverton Elementary School to ensure that this program is a success.

7. Timeline and Reporting

Kerri LeSieur, the Vice Principal of Riverton and Colleen Donlan, coordinator of PPS Sustainable Practices Action Group will complete the Mid-Term and Final reports. We will complete the first report by February 1st, after the purchase of the bins and signage, as well as the formation of the Green Team, as they begin the video process. We will complete the second report on May 1st, 3 months later. By then, we will have launched the new program by hosting a community meeting around waste reduction, implementing the new bins and signage into the cafeteria, and training the students using the Green Team video.

Kerri LeSieur: lesiek@portlandschools.org

Colleen Donlan: gleaning@ccfoodsecurity.org

First Report: February 1st, 2020

Second Report: May 1st, 2020

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

\$12500 revised

ecomaine community: Portland Amount Requested: ~~\$5,000.00~~

Name of school: Reiche

School Address: 166 Brackett St., Portland, ME 04102

Name of Superintendent/Principal/President (please print): _____

Contact Information (required):

Phone: 874-8175 Email: bobin1@portlandschools.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

[Signature]
Superintendent/Principal/President Signature

10/28/2019
Date

Staff leader for the proposed project

Name: Annie Antonacos/David Briley Position/Title: parent/teacher

Contact Information (required):

Phone: 899-2409 (Annie) Email: annieantonacos@gmail.com

Mailing Address: 243 State St. #2L, Portland, ME 04101

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2. Project Description

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

- Project outline and school commitment
- Ease of project replication
- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used?

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
replace plastic utensils with biodegradables	\$5,120. ⁰⁰
Total Grant Request	\$ 5,000.⁰⁰

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

5. What measurements will be taken to gauge and evaluate the impact of the project?

6. How will the project be sustained?

7. Timeline and Reporting

ecomaine requires that grant recipients complete mid-term and final reports during the course of their specified project. Please identify the **individual(s) (and their contact information)** who will be responsible for completing the reports, and a **timeline** for when reports will be completed. **Mid-term reports** should be completed no later than **March 2, 2020**. **Final reports** should be completed no later than **May 29, 2020**. The final payment will be contingent upon receipt and approval of your reports. Future awards may be contingent upon timely reporting.

Project Description

Reiche School seeks \$5,000 to partially fund the purchase of biodegradable forks and spoons for student use at lunch and snack times. Reiche currently uses all plastic utensils in the lunch room. Metal silverware is not an option at this time, due to the lack of a dishwasher and accessible plumbing.

This need has been identified by the Reiche Kids' Climate Lobby and reflects a long-standing desire by students and teachers alike to reduce waste production. While this is the first step towards becoming better stewards of the earth, the Reiche community has no doubt that this small change will quickly inspire more students to push for implementing other larger changes. As one Reiche teacher said of the work the 6-week-old Kids' Climate Lobby has spearheaded: "Thanks for all you are doing to save the world - one spork at a time, and for the influence you are having on the kids. My students and former students who are in your climate club are getting so much out of it."

Once enacted, these utensils will be easy to continue to use, as well as an attainable change for other schools to imitate. We will continue to fight hard for metal silverware and a dishwasher. But this is a change we can make immediately, and it will eliminate up to 400 plastic spoons and forks *per day* from the trash.

It only took one week for the Kids' Climate Lobby to move their school from throwing cardboard lunch trays in the trash to putting them in recycling bins. They continue to make weekly announcements encouraging their peers to think about recycling and waste issues. This change to compostable utensils has been on students' minds for years, and they will feel a sense of pride that something in their community has changed for the better because of their advocacy.

Budget

Biodegradable utensils for 400 students for the school year	\$5,120
Total grant request	\$5,000
(Remaining funds will come from PPS, the PTO, or another donor)	

School Resources & Sustainability

At this time, it is unclear what kind of matching funds will be provided by Portland Public Schools. Once this program is implemented, however, we are confident that we can secure the resources from PPS going forward.

Measurements

Reiche Kids' Climate Lobby will study the amount of waste reduction, as well as oversee the new utensils going into the compost, rather than the trash.



Project Description

Reiche School seeks \$2,000 to partially fund the purchase of biodegradable sporks for student use at lunch and snack times. Reiche currently uses all plastic utensils in the lunch room. We have been told that metal silverware is not an option, due to the lack of a dishwasher and accessible plumbing. We also seek \$500 to improve our trash and recycling signage and bins, as well as begin implementing composting in the classrooms.

This need has been identified by the Reiche Kids' Climate Lobby and reflects a long-standing desire by students and teachers alike to reduce waste production. While this is the first step towards becoming better stewards of the earth, the Reiche community has no doubt that this small change will quickly inspire more students to push for implementing other larger changes. As one Reiche teacher said of the work the 6-week-old Kids' Climate Lobby has spearheaded: "Thanks for all you are doing to save the world - one spork at a time, and for the influence you are having on the kids. My students and former students who are in your climate club are getting so much out of it."

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It only took one week for the Kids' Climate Lobby to move their school from throwing cardboard lunch trays in the trash to putting them in recycling bins. They continue to make weekly announcements encouraging their peers to think about recycling and waste issues. This change to compostable utensils has been on students' minds for years, and they will feel a sense of pride that something in their community has changed for the better because of their advocacy.

Budget

50,000 biodegradable sporks	\$2,000
Improve recycling bins & classroom composting	\$500

School Resources & Sustainability

At this time, it is unclear what kind of matching funds will be provided by Portland Public Schools. Once this program is implemented, however, we are confident that we can secure the resources from PPS going forward.

Measurements

Reiche Kids' Climate Lobby will study the amount of waste reduction, as well as oversee the new utensils going into the compost, rather than the trash.



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A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: _____

Amount Requested: \$2,500.00

Name of school: Saco Middle School

School Address: 40 Buxton Rd, Saco, ME

Name of Superintendent/Principal/President (please print): Ken Hawkins

Contact Information (required):

Phone: (207) 282-4181

Email: khawkins@sacoschools.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

Superintendent/Principal/President Signature

10/11/19
Date

Staff leader for the proposed project

Name: Melissa Gosselin

Position/Title: Science Teacher

Contact Information (required):

Phone: (207) 282-4181

Email: mgosselin@sacoschools.org

Mailing Address: 40 Buxton Road, Saco, ME 04072

SACO MIDDLE SCHOOL



40 Buxton Rd
Saco, Maine 04072
Telephone (207) 282-4181
Fax: (207) 286-1807

Kenneth Hawkins
Principal

Tom Partridge
Assistant Principal

Fax Transmission

Date: October 22, 2019

To: Katrina Venhuizen
ecomaine recycling grants

From: Melissa Gosselin
Saco Middle school

Tel. #

Fax # 207-773-8296

No. of pages including cover page 1

Saco Middle School Recycling Grant Application

1. Previous ecomaine grant: No, our school has not received a grant from ecomaine.

2. Project Description: Our goals are to: Create a sustainable composting program at our school to reduce waste within landfills, use the compost to grow plants to improve our school grounds, and ultimately work on a community garden. Also, to increase awareness of recycling and implement in our school. This is a program that will include our team, all students in school and community members.

***Project outline and school commitment:** Our project outline is to: Purchase in school recycling bins and food waste bins for the cafeteria. Build 3 composting bins for outside. Have students monitoring the cafe bins to make sure that trash, plastic and food waste are disposed of properly. Bring food waste container outside to compost bins. Purchase and create education materials to inform students about the importance of recycling, waste to energy and how to recycle food waste. Also, we will make PSA's: posters(around school) and short video with facts to play at lunches and advisory time. Lastly, to use of the compost we create to grow plants for gardens.

***Ease of project replication:** This project will be planned by students with the help of teachers and volunteers. Each member is invested in reducing waste, education and outreach to the community. Once we have our plan in place, monitored and successful it will be easy to continue with our other district schools as well as share beyond here to help other schools begin their programs.

***Success criteria and sustainability:** Composting will be sustainable throughout the year with all students able to follow the process on a daily basis and monitoring system. Students in our community will have a better understanding and appreciation of the importance of composting and attempt to do so at home. We will share and train other grade level schools in our community and help them creating a composting program, educate their school and work on a community garden.

***Why the project is compelling and worthy of funding:** The project is compelling for we are a two year Place Based Learning team that can dedicate much time and effort to the initial and continuing project. Our goal as a team is community involvement and finding better ways to reduce our impact on the environment. This is a whole school program that we hope to carry into our community.

3. Use of Money: Budget:

<u>Grant/Task Items</u>	<u>Costs</u>
Compostable Plant Based Gloves(400) and Biodegradable Bags(400)	\$200.00
Tools(Pitch forks, rakes, shovels, scale)	\$200.00
General supplies for educational posters/fliers/brochures for community	\$100.00
Simple Sort Bin for Cafeteria(3)	\$500.00
Outdoor bins(3) (wood,wire, materials to build)	\$1500.00
<u>Total Grant Request</u>	<u>\$2500.00</u>

4. Resources(staff, school and volunteers): We hope to reach out to Ecomaine for resources, training and use of a grant to help start a composting program that will help grow the garden program. Our compost team will be: Coordinators(Teachers) to keep plans on track and students focused, Monitors(students) to sort, collect and compost, Materials Coordinator: (PTO volunteers, 2 Team Teachers) to help start the program with donations of supplies and time, keep the program moving and help maintain throughout the year.

5. Measurements to gauge and evaluate the impact of project: We have conducted a food waste audit and determined half of our trash is food waste. We will continue with food waste audits, 3 more times, to determine if we are reducing trash, recycling and putting food waste into the bins. Our collecting and monitoring spreadsheets will show the process of how well the collection of food waste program works and the data to support how much waste we compost.

7. Timeline and Reporting: We will have a community build day, at the end of October, for compost bins outside, creating posters and an education plan as well as gearing up our compost system. Educating our community and working on the process of collecting and monitoring(spreadsheet) the food waste will be a continuous process.If we are accepted for an ecomaine grant we will complete a mid- term report to ecomaine by March 2,2020 and a final report to ecomaine by May 29, 2020, including food waste audit data, visuals and success results.

ecomaine School Recycling Grants
A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Saint Joseph's College Amount Requested: \$ 5000

Name of school: _____

School Address: 278 Whites Bridge Rd. Standish, ME 04084

Name of Superintendent/Principal/President (please print): Dr. Jim Dlugos

Contact Information (required):

Phone: 207-893-7711 Email: jdlugos@sjcme.edu

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.


Superintendent/Principal/President Signature

10-25-19
Date

Staff leader for the proposed project

Name: Kimberly Post Position/Title: Engagement Director

Contact Information (required):

Phone: 207-893-7789 Email: kpost@sjcme.edu

Mailing Address: Same

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2014, \$2400 for recycling containers for the dorms

2. Project Description

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

- Project outline and school commitment
- Ease of project replication
- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used?

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
<i>See project description</i>	
Total Grant Request	\$

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)? *staff time, including facilities support*

5. What measurements will be taken to gauge and evaluate the impact of the project?

see project description

6. How will the project be sustained?

Ongoing experiments by Academics, education + maintenance by EcoReps + Facilities

7. Timeline and Reporting

ecomaine requires that grant recipients complete mid-term and final reports during the course of their specified project. Please identify the individual(s) (and their contact information) who will be responsible for completing the reports, and a timeline for when reports will be completed. Mid-term reports should be completed no later than March 2, 2020. Final reports should be completed no later than May 29, 2020. The final payment will be contingent upon receipt and approval of your reports. Future awards may be contingent upon timely reporting.

comp2gether Project Proposal

Saint Joseph's College would like to finally get a handle on our composting "problem." Currently we use Garbage to Garden for our food service compost removal but this is far from a perfect fit for us, particularly since it doesn't encourage any kind of ownership in the composting process. In the past we've experimented with composting across the road at our farm but now that the farm is on hiatus this is no longer viable practice. Despite these challenges there are still regular requests from offices around campus for composting accommodations and the EcoReps continue to look for a way to bring composting options to the dorms.

Last spring an interdisciplinary group of faculty, students, and staff built a pollinator garden on campus and the need for a suitable composting solution on site quickly became obvious. The idea for re-examining composting on campus came up again, this time from a community-based learning perspective. The proposed project, **comp2gether**, will be researched and implemented by several sections of an academic course and engage the entire campus community as well as local and regional partners. The course, ES 100 Ecology and the Environmental Challenge, is a required general education core course that covers environmental science and sustainability, primarily for non-science majors. Content includes an overview of natural ecosystem structure and function, ecosystem services derived from the environment, and human/societal system interaction with natural systems. Basic science content as well as applied problem-solving from case studies and experiential content are employed. For this ongoing community-based learning project, students will research various user-friendly composting methods and create beta stations around campus, each employing a different method, complete with instructions for users. Students will gather data throughout the year and make recommendations as to which methods work best for both indoor and outdoor stations. The project will incorporate class themes of sustainable land-use activities, trophic (food web) structure and maintenance, and ecosystem service development and stewardship. Assessment of progress towards learning outcomes is based on written formative and summative reports and reflection exercises.

Our College's identity and mission as a Mercy College are closely interwoven with the beauty and environmental quality of its surroundings here in the Lakes Region. Maintaining these priceless qualities is essential to preserving this identity, and critical to the future economic survival of the College. Environmental stewardship is an integral part of our ethos and is expressed through our commitment to sustainability, as outlined in both our Strategic and Civic Action Plans. Not only does the comp2gether project engage students, faculty, staff, and campus visitors, but it will address a real problem the College has been struggling with for many years.

Grant Tasks/Items	Costs
Trip to Coastal Maine Botanical Garden for tour of beta sites	500
Speaker/training engagements (2)	1000
Materials for multiple beta stations	3000
Course development stipend	500
<i>Total Grant Request</i>	\$5000

Qualifications and Experience of Project Manager

Kimberly Post, Director of Community-Based Learning and Engagement Coordinator for the Center for Sustainable Communities at Saint Joseph's College, will serve as campus project manager for this grant. She was hired as the Service Learning Coordinator in October 2011 and has brought the College through the Carnegie Classification and Campus Compact Civic Action Planning processes. She is currently serving as advisory panel chair for a National Science Foundation grant Chemistry for the Community and is part of a National Endowment for the Humanities grant team as well. Post has a deep commitment to environmental stewardship, and after four years serving on the College's Sustainability Task Force, was appointed Engagement Coordinator for the Center for Sustainable Communities. Outside of the College, she is a long-time member of the Raymond Conservation Commission and a co-founder of the Healthy Waters Coalition, an organization comprised of representatives from eight Sebago Lakes Region towns, local government boards, committees, businesses, and watershed organizations.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

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E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: South Portland Amount Requested: \$1600

Name of school: South Portland High School

School Address: 637 Highland Ave So. Portland ME 04106

Name of Superintendent/Principal/President (please print): Michelle La Forge
Ken Kunin

Contact Information (required):

Phone: 767-3246 Email: laforge@spisdme.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

Michelle La Forge
Superintendent/Principal/President Signature

10/23/19
Date

Staff leader for the proposed project

Name: Tanya Ferrante Position/Title: Ecology Teacher
English Teacher

Contact Information (required): Earth Club Advisor

Phone: 767-3246 Email: ferranta@spisdme.org

Mailing Address: 637 Highland Ave, So. Portland ME 04106

ECOMAINE GRANT APPLICATION SOUTH PORTLAND HIGH SCHOOL EARTH CLUB

Previous ecomaine Grant

We have received three grants in the past several years to improve recycling and composting and decrease our waste going to the landfill. In 2016, we received a grant of \$820 towards Terracycle Zero Waste Boxes. The goal of the project was to raise awareness of items that could not be recycled through ecomaine, but could be recycled through Terracycle. In 2015, the goal of the project was to fund recycling services for all organic and compostable cafeteria waste at Dyer School in collaboration with Ms. Ferrante's ecology class for \$1,750. In 2014, we had a similar project with Small School. Since collaborating with the two elementary schools, other schools in the district have followed our lead. Due to the success of the program and grants through ecomaine, I am happy to report our school district now pays for composting services.

Project outline and school commitment:

The goal of this project is to decrease single use plastics and compost contamination and increase items that can be composted in our cafeteria. Several years ago, we were able to secure a grant through Saco Biddeford Savings for compostable salad containers. Previous to this grant, we were using plastic containers. In conversations with the purchaser in our cafeteria, we worked out a process whereby we would purchase the compostable products through a grant for a semester, and if it was determined as a positive outcome, the cafe would move towards buying more compostable salad containers the following year. The compostable salad containers were a success and now the entire district has compostable salad containers.

Earth club students would now like to continue this trend of decreasing single use plastics and increasing compostable products. Several Earth Club students at the high school have been responsible for ensuring that the composting and recycling is done effectively and efficiently. They have identified plastic silverware as a source of contamination in the compost. Many students who use the salad containers place their plastic forks inside the compostable container when composting. If each container is not opened up, then the fork ends up being a source of contamination. Students have also noticed that the plastic covers on the coffee cups in the cafe are also a source of contamination. Many students recycle the coffee cup and the plastic cover is a source of contamination.

Ease of project replication

Purchasing starts in the high school and is then used throughout the district. If the compostable items are bought through this grant and then continued the following year through our cafeteria, either on their own, or with supplemental money coming from a bottle fund, then other schools in the district would benefit. Since all schools are now composting, these items would also be composted.

Likelihood of success and program sustainability:

As mentioned in the previous paragraph, the district does their ordering of products in the spring. If we can show support of how compostable products can decrease waste in our school, then the district would be more willing to buy compostable products in their budget next year.

Why the project is compelling and worthy of funding:

The South Portland School District continues to be a leader in composting and recycling. Our city also leads the way in many sustainability initiatives including banning styrofoam, the food waste recycling program, and the reusable bag ordinance. We know that single use plastic is a major problem facing our communities. Plastic in our oceans are causing health and environmental problems that need to be faced head on. This project is one way to raise awareness about the issue and to show students there are solutions through the power of purchasing items other than plastic and then composting those items. Student leaders in Earth Club has been active in raising awareness on single use plastic during our annual Earth Week and this is an action plan they feel very passionate about. If our high school students learn why and how to reduce single use plastic, they are much more likely to develop and carry on environmentally sound practices, and to act as ambassadors to their families and neighbors.

For what specifically will the money be used?

Grant tasks/items	Costs
Signs to inform and educate	\$100
Compostable silverware and lids for cups for second semester	\$1500
Total	\$1600

Resources: Earth Club students will use funds from bottle money which currently is \$500. Ms. Ferrante will be the facilitator for the Earth Club

Measurements: Earth Club students will collect data over a two week period of time recording plastic silverware and cup lids that are contaminating compost and recycling. After the compostable products are purchased, students will collect data over a two week period of time to measure the increase in compostable products which are being composted. The two results will be compared.

How will the project be sustained? Students doing independent study in the cafeteria will monitor the compost to ensure that the compostable items are being composted. Earth Club students will meet with the cafeteria to ensure that the purchasing of sustainable products like the silverware and cup lids will continue to be purchased, if not entirely through the district, then with the support of fundraising and bottle funds.

Timeline and Reporting:

Date	
November/December 2019	<p>Identify Data Collection spots: Students will collect data recording plastic silverware and cup lids that are contaminating compost and recycling.</p> <p>Educational Campaign: Students will create signs, announcements, and social media to raise awareness on the dangers of single use plastic, problems associated with recycling and composting contamination, and on the benefits of recycling and composting.</p>

January 2020	<p>Project implementation: Students will collect data over a two week period of time to measure the increase in compostable products which are being composted. The two results will be compared.</p> <p>Educational Campaign: Students will share the results of the data with students and staff.</p>
March 2020	<p>Midterm Project Report: Data collection will be compiled. Report completed by Tania Ferrante.</p>
May 15 2020	<p>Final Project Report: Data collection from January-May 31st will be compiled and reported by Tania Ferrante</p>

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

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Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Saco, ME Amount Requested: \$1,164 revised
\$1200.⁰⁰

Name of school: Thornton Academy

School Address: 438 Main St. Saco, ME 04072

Name of Superintendent/Principal/President (please print): Rene Menard, Headmaster

Contact Information (required):

Phone: 602-4401 Email: rene.menard@thorntonacademy.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

Rene Menard
Superintendent/Principal/President Signature

10/24/19
Date

Staff leader for the proposed project

Name: CAROL TARANKO Position/Title: Senior Director of School

Contact Information (required):

Phone: 602-4468 Email: carol.taranke@thorntonacademy.org

Mailing Address: see above

1. Previous Ecomaine Grants:

Thornton Academy received a grant from Ecomaine during the 2016/17 school year. The award amount was \$1548.80. The grant monies were used to upgrade the school's recycling receptacles to simplify, clarify and increase recycling processes with both the middle and upper school. The three focus areas included education, consistency & labeling and monitoring.

2. Project Outline and School Commitment:

Thornton Academy has been working with Maine Waste Solutions, We Compost It! for the past 4 years, to compost materials in both our Middle School and Upper School food service areas. We wish to expand these efforts to include student food & solid waste in our cafeteria at the Upper School (grades 9-12). Collaboration between our Environmental Club and Student Council would lead the student effort with education prior to and during the implementation phase of the lunchtime composting.

Student leaders recognize the importance of providing composting education to their peers prior to implementation of the project. They will create and distribute an educational video to share with the high school advisory classes. The video will provide rationale and benefits of composting and will identify the dos and don'ts of the process at our school.

Once the project begins, student leaders will volunteer at the composting station in the cafeteria (during each of the 4 lunch waves) to encourage and monitor appropriate processes. Adult leaders will oversee and assist as needed. Support from Thornton Academy's facilities department would ensure consistent and timely transfer of compost bins between the cafeteria and pick up sites for Maine Waste Solutions.

Ease of project replication:

Thornton Academy is fortunate to have a diverse student body who embrace, advocate, and work toward social change. This project was initiated organically by the Student Council wishing to make a positive environmental impact on a local level. Their investigation into the school's current composting practices, led to a natural partnership with the Environmental club. These two groups represent approximately 60 student leaders who will encourage and support change practice among their peers during lunch time routines.

Likelihood of success and program sustainability:

It is anticipated an increase in composting through student cafeteria waste (despite marginal increased expenses) will reduce the volume (and expense) of trash removal on campus. With student, staff and administrative support, the goal in this pilot year is to create a sustainable effort long-term.

Why is the project compelling and worthy of funding?

Thornton Academy serves as the public school for students in grades 6-12 for the communities of Arundel and Dayton and grades 9-12 for Saco. Since Thornton Academy is legislatively prohibited from receiving public funding for campus expansion and capital improvements, all such projects must be privately funded. The school has already made a commitment to general recycling practices throughout campus and further composting practices in both the middle and upper school food service areas. Funds from Ecomaine to pilot a student food waste

composting project would allow the school to enhance our commitment and provide students valuable experience and knowledge with environmentally friendly practices as they move into young adulthood.

3. For what, specifically will the money be used?

Grant/Task Items	Costs
Additional compost visits and removal, w/Maine Waste Solutions (7 months)	1000.00
Composting tongs (2-4)	80.00 \$11 x 4 see back page = \$44
Materials to build a lid on compost bin(s) (wood, polyurethane)	120.00
Total Grant Request:	\$1200.00

4. What resources will be contributed by the school?

Thornton Academy's Student Council members, Environmental club members, and advisors are prepared to oversee composting efforts during daily student lunch waves. The school's facilities department will be responsible for transporting bins to the cafeteria as needed. The school's administration is supportive of this pilot project and will allot time during advisory for necessary education.

5. What measurements will be taken to gauge and evaluate the impact of the project?

Monthly assessment of increased compost removal costs and decreased trash removal costs will provide data to measure effectiveness of the project. Daily oversight of student practices and project needs, by supporting student leaders and adults will inform needs within the process and perhaps continued education.

6. How will the project be sustained?

Thornton Academy promotes globally minded citizens. Our students are looking to create ways to make a local impact with environmentally friendly practices. This grass root effort is one developed by the students, which in itself supports increased chance of sustainability over an expectation imposed by the adults. There are representatives from all four high school grades committed to this effort. The Environmental Club intends to create a compost committee to troubleshoot concerns and maintain student and staff engagement.

7. Timeline and Reporting

Bobbie Rausch & Jenna Kapschull (the Environmental Club advisors) will work with Carol Taranko (Senior Director of School) and Matt Cook (Director of Facilities) to collect data for timely reporting. The reports will confirm what has been purchased and paid in composting costs.

Subject: Re: grant application submission
Date: Friday, October 25, 2019 at 3:18:32 PM GMT-04:00
From: Carol Taranko
To: Katrina Venhuizen

Revised
 See next page

Good afternoon Katrina,

Thank you for reaching out. I unfortunately was not part of the grant process a few years ago, but can confirm we have actual composting receptacles in our two food service areas. They are supplied by Maine Waste Solutions as part of our contract for service. We currently have recycling and trash receptacle for students in the dining area at the upper school and hope (with the grant) to add composting receptacles in the dining area for student compostable waste. I had found tongs for 16.00/piece and was not sure the need for replacement over the course of the year (estimated the need for 2-4 tongs). Yes, of course the type you provided in the link would work well!

Thank you very much,

Carol

On Fri, Oct 25, 2019 at 12:43 PM Katrina Venhuizen <venhuizen@ecomaine.org> wrote:

Hello Carol,

I've received your grant and am inputting it now. We will judge Nov 7th and I will get back to you asap afterwards to let you know either way.

A question for you first though:

1. The previous grant awarded was supposed to go towards recycling bins for cafeteria but they ended up going to deposit bottle bins so it was misleading. When we visited two years ago and other visits since then, I haven't seen compost bins in the cafeteria. Are there indeed receptacles for compost, recycling and trash for students to use for their waste?
2. Where did you find your composting tongs? I don't see our committee granting tongs costing \$20 to \$40 each. Can a specific type be found such as these very nice and grippy tongs at https://www.amazon.com/StarPack-Basics-Silicone-Kitchen-12-Inch/dp/B00VSSWSR6/ref=sr_1_2_sspa?keywords=tongs&qid=1572021749&refinements=p_n_feature_keywords_three_browse-bin%3A7932948011&rnd=7932942011&s=kitchen&sr=1-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEzUTJPOEITWTYxWINDJmVuY3J5cHRIZEIkPUEwMjc0NDk4MjVPSFhFRlNaVDFSSiZlbnNyeXB0ZWRBZEIkPUEwMDU5Mjk3Uks5MzE4UDNSTTIYJndpZGldE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGlyZWNOJmRvTm90TG9nQ2xpY2s9dHJlZQ==

We support your goal, just want to make sure all will go according to the grant if granted. Let me know if you have further information for me on these two fronts. Thanks!

Katrina Bussiere-Venhuizen, Senior Environmental Educator

Email: venhuizen@ecomaine.org

Work: 207-523-3141

Cell: 512-949-9201

ecomaine

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From: Carol Taranko <carol.taranko@thorntonacademy.org>



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ecomaine School Recycling Grants A
*partnership with schools to reduce solid
waste disposal and increase recycling.*

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Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Portland - USM Campus Amount Requested: \$1,864

Name of School: USM Campus Portland/Gorham

School Address: 96 Falmouth St., Portland, ME 04103

Name of Superintendent / Principal / President: Professor Jamie Picardy

Contact Information (required):

Phone: (207) 228-8385

Email: jamie.picardy@maine.edu

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.



Superintendent/Principal/President Signature

10/25/19

Date

Staff leader for the proposed project

Name: Chelsea Malacara

Position/Title: USM: Office of Sustainability

Contact Information (required):

Phone: (207)405-1009

Email: chelsea.malacara@maine.edu

Address: 19 College Avenue, Gorham, ME

University of Southern Maine ecomaine Grant Application

Food Studies Department

Graduate Students: Eric Day, Lauren Olson

Professor: Jamie Picardy PhD, Food Studies Department

1. Previous EcoMaine Grants

University of Southern Maine has not applied to an ecomaine grant

2. Project Description

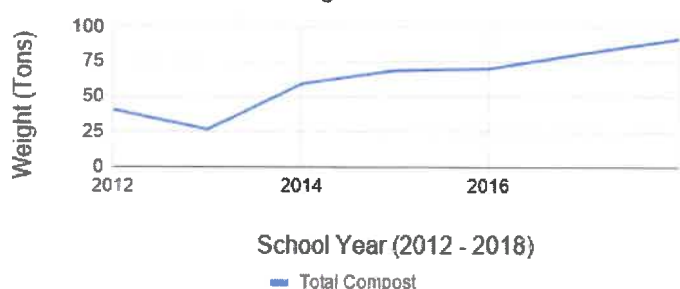
Food Waste collection in the Dormitories on The University of Southern Maine, Gorham Campus -

The USM Food Studies Department is pursuing a two-semester long study that will obtain information about residential food waste generated by the 1300 students living on the USM Gorham Campus. With support from the Office of Sustainability, the project is to conduct a 6 - 8 week food waste collection pilot in the Spring 2020 semester to compile data that will provide reliable insights into the behaviors and attitudes about residential food waste generation and disposal as well as program preferences. The pilot will also incorporate community-based social marketing strategies for outreach and education efforts. Student and residential staff outreach activities are currently underway and include: announcements in undergraduate classrooms, tabling at USM sponsored events, conducting surveys during mealtime hours at the Gorham campus dining commons, and reaching out to student organizations with potential interest in food waste reduction. The exact design of the pilot study is still being determined and will be based on findings from our surveys and outreach.

Leading up to the pilot, undergraduate students recruited during early fall semester will participate in surveys, interviews, and focus groups that will contribute to the design and implementation of the program. **USM currently demonstrates a commitment** to reducing food waste through its practices in the dining commons where food waste is diverted from the solid waste stream and collected by Garbage to Garden. There is a clear appetite for increasing food waste diversion on campus with the student population yet the resources for investigating have been limited. Over the last seven years food waste collection has increased at the university (Figure 1 and Figure 2). By expanding programs in the residential halls, the amount of food waste diverted from the solid waste stream will increase. Our study will provide key information that university administration and office's can utilize to develop a permanent program going forward.

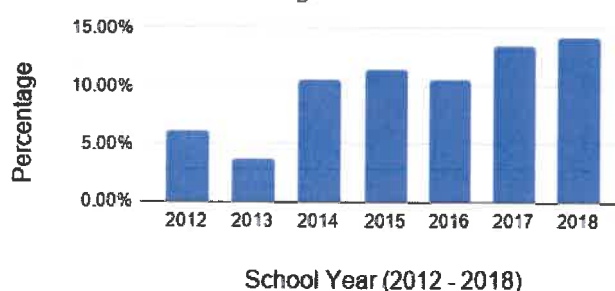
USM Compost

Figure 1



USM Compost as Percentage of Total Trash

Figure 2



3. For what, Specifically will the money be used?

The funds granted by ecomaine would primarily be used for purchasing operational materials including compostable bags and small containers with lids for individual students. Larger, collection bins will be used in pre- determined locations and those locations will be decided by our research.

Depending on the outcome of our pre-pilot study, we may randomly assign two groups with different collection receptacles to understand preferences, such as convenience and “ick factor”. There are also three different pilot designs being considered:

1. Single Dorm - The pilot study will take place in one single residential hall and only involve the students that live in that building. The collection point will be located on the bottom floor
2. Multiple Dorms - The pilot study will take place in several residential halls and collection points will be located on the bottom floor of each building
3. Outside Collection Points - Collection points will be located in strategic locations. The containers will be locked with keys distributed to participating students.

Funds will be used to create and distribute education and outreach material in line with community-based social marketing strategies. This may come in the form of stickers or magnets that can inform students on how to compost and /or where to find resources on campus to collect food waste bins to collect multi-person and dorm food waste.

Each design will use most of the materials listed below. In a scenario where we decide not to utilize one of the below components, funds will be used for additional outreach materials, more of another component, or set aside to complement future food waste recovery activities.

Grant Items		Costs
“Bio Bags” 3 gal, 100 bags to a box	100 students x 2 bags a week x 8 weeks = 1600 bags @ 100 bags a box = 16 boxes x \$18.05	\$289
Mini Compost Containers	50 count - \$2 each	\$100
Compost Collection Bins	33 gal totes (\$115 each)	\$345
Locks and Keys (\$2/key)	3 locks x \$10 + 100 students x \$2 a key	\$230
Outreach Materials	Stickers, how-to print materials, magnets	\$500
Educational Documentary Screening on Campus for students	“Just Eat It” or “Wasted”	\$400
Total Grant Request		\$1864

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

The USM Food Studies Department is currently funding two graduate research assistantships that amounts to \$14,052. These two assistants are supervised by a Food Studies faculty member and mentored by Office of Sustainability Staff. Specifically, mentorship includes coordinating custodial logistics and communicating, staff time, resources, insights, and planning efforts. In addition, the Office of Residential Life, a primary stakeholder, is giving the team full access to staff meetings and is willing to assist with outreach.

What measurements will be taken to gauge and evaluate the impact of the project?

- **Pre-pilot data (qualitative)**
 - Surveys distributed to students will ask about preferences, perceived barriers, and perceived benefits
 - Focus groups with students will ask about knowledge, preferences, anticipated challenges, perceived barriers, and perceived benefits
 - Interviews with Residential Staff, Custodians, and other stakeholders will be gathered to understand hesitations, limitations, and opportunities
- **Operational data (quantitative and qualitative)**
 - Food waste collected each week (lbs)
 - Any observations and comments from staff or students
 - feedback during pilot to gauge efforts and issues
- **Post-pilot data**
 - Total food waste collected
 - Total trash collected
 - Surveys distributed to students will ask about preferences, perceived barriers, and perceived benefits
 - Focus groups with students will ask about knowledge, preferences, anticipated challenges, perceived barriers, and perceived benefits
 - Interviews with Residential Staff, Custodians, and other stakeholders will be gathered to understand hesitations, limitations, and opportunities

4. How will the project be sustained?

Dorm food waste recovery is a growing trend at USM. In 2017 a student ecorep, living in Upper Class Hall, organized others in his dorm to collect and transport food waste to the dining commons collection point. This program reached 50 students and they succeeded in diverting 169 pounds of food waste over the course of eight weeks.

Our study builds on this work. Following this pilot project, the hope is that ResLife and the Office of Sustainability will use the data to inform the next steps towards greater waste reduction and recovery. With greater insight into student attitudes and behaviors more successful and longer lasting food recovery efforts and initiatives can take hold.

5. Timeline and Reporting

The final weeks of the spring semester will be spent summarizing and analyzing our results. We will publish our complete project including the methodology, data, and findings so that other institutions with residential communities can model or improve on our work.

October - Outreach and planning

November - surveys, interviews, focus groups, and planning

December - planning, logistics, communication to students, obtain materials

January - Winter Break, planning

Feb - begin study by the end of February, possible events

March - collecting and measure food waste, sending out regular communications

April - study ends, compiling data and synthesizing data, writing up results for publication

May - communicate out the results and findings in a final report

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: _____ Amount Requested: \$ 1570.00

Name of school: WATERVILLE ALTERNATIVE^{High} SCHOOL

School Address: 93 SILVER ST. WATERVILLE ME. 04901

Name of Superintendent/Principal/President (please print): PAM MATTOS Director

Contact Information (required): Brian Laramee Principal

Phone: 207-873-5755 Email: blaramee@aos92.org
p mattos@aos92.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

Brian Laramee
Superintendent/Principal/President Signature

10/25/19
Date

Staff leader for the proposed project

Name: JESSICA HAMILTON-JONES Position/Title: ART AND GREEN
INDEPENDENT LIVING TEA.

Contact Information (required):
Phone: (207) 346-0931 Email: jhamiltonjones@aos92.org

Mailing Address: 93 SILVER ST. WATERVILLE ME. 04901

see attached.

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2. Project Description

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

- Project outline and school commitment
- Ease of project replication
- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used?

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
Total Grant Request	\$

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

5. What measurements will be taken to gauge and evaluate the impact of the project?

6. How will the project be sustained?

7. Timeline and Reporting

ecomaine requires that grant recipients complete mid-term and final reports during the course of their specified project. Please identify the **individual(s) (and their contact information)** who will be responsible for completing the reports, and a **timeline** for when reports will be completed. **Mid-term reports** should be completed no later than **March 2, 2020**. **Final reports** should be completed no later than **May 29, 2020**. The final payment will be contingent upon receipt and approval of your reports. Future awards may be contingent upon timely reporting.

Ecomaine Grant

My name is Jessica Hamilton-Jones and I teach art and Green Independent Living at the Waterville Alternative High School in Waterville Maine. I am writing to apply for an ecomaine grant.

1. Previous ecomaine grant:

In 2017, our school was awarded a 1000.00 grant from ecomaine to build a three-bin compost with the teacher Linda Nichols. Since her departure, we have painted and repaired the bin and students fill the bin with the appropriate food waste from their lunches. It is our goal to be able to use this compost in the gardens that we have on campus. Our school is committed to sustaining our programs that teach concerning environmental health.

2. Project Descriptions:

- With a grant from ecomaine, our school could continue to improve our efforts in educating the students, and hopefully the community at large. First it would be awesome to take our students on a tour of the ecomaine facility. I think that this would really help them to see the importance of recycling correctly, and to witness the positive work that you do. I feel that this trip that I would like to schedule for this winter would serve as inspiration for the following two projects.
- My students would like to organize a large town garbage pick up event. Our class was overwhelmed by the amount of garbage that litters our city, especially in the area behind the Concourse stores, which has a history of extreme littering. We really felt like we could use more hands to help us. This spring we would like to rally a large group to join us for a spring clean up. This is an event that we would advertise to get others in the community to join us for this special day. We were also thinking that it would be great to have ecomaine shirts or buttons to wear. The likelihood of success of this event is great because our school has been involved in other community service projects. This included a major clean up of a children's overgrown playground and our class often walks into town to pick up garbage. Additionally, we look for new ways to reduce, reuse and recycle materials. We do many art projects that reuse garbage like making homemade paper with our old paper scraps, and flower presses from discarded cardboard. This project is compelling and worthy of funding because we hope that it sends a message to the Waterville Community that their teenage students want to live in a healthy and clean environment.
- The second project is to have my students paint a large mural in Waterville that addresses recycling and environmental health. I have a lot of artist students who would be thrilled to tackle this project. The area that we are proposing to paint is in the same place where we have seen a huge problem with littering and is the focus of our spring clean up event. There are a few wonderful murals in this area, but I feel that our student mural will be

compelling and worthy of funding because it will address environmental health in this community.

3. For what, specifically, will the money be used?

Grant task/Items	Cost
200 SAS Safety 66518 Raven Powder-Free Disposable Black Nitrile 6 Mil Gloves,	\$30
100 Biodegradable Trash bags	\$40
Advertising budget	\$300
Bus to Ecomaine plant	\$400
T-shirts	\$400
Mural Art Supplies	\$400
Total Grant Request	1570.00

4. What resources will be contributed by the school?

The Waterville Alternative School will supply staff time and the students will be instructed on all aspects of planning and executing these projects. The community has many supportive resources and we will reach out to them to match funding or contribute in any way that they can.

5. What measurements will be taken to gauge and evaluate the impact of the project?

Because these projects will be out in the community, I think that they will have a great impact. When the shop owners and the community members that shop there (or hang out) see a large group of students picking up the mess, they will be inspired. The mural will remain a constant reminder to the community.

6. How will the project be sustained?

It is my hope that with the success of this cleanup project, that this could become a yearly event.

7. Timeline and Reporting.

As the Art and Green Independent Living teacher, I (Jessica Hamilton-Jones) with the input from my students will complete the mid-term report on the progress of our planning stages before March 2, 2020. I will submit the final reports upon our project completions before May 29, 2020.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Windham Amount Requested: \$1500

Name of school: Windham High School

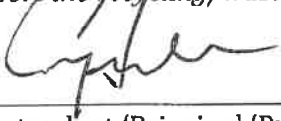
School Address: 406 Gray Rd. Windham ME 04062

Name of Superintendent/Principal/President (please print): Chris Howell

Contact Information (required):

Phone: 207-892-1800 Email: chowell@rsu14.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.



Superintendent/Principal/President Signature

10/21/19
Date

Staff leader for the proposed project

Name: Paula Pock Position/Title: Health Teacher

Contact Information (required):

Phone: 207-892-1810 Email: ppock@rsu14.org

Mailing Address: 406 Gray Rd. Windham ME 04062

Ecomaine School Recycling Grant Proposal RSU 14 (Windham/Raymond)

Our school has not previously received a recycling grant from Ecomaine.

Windham High School is working to further its commitment to sustainability through the implementation of recycling and composting stations in the high school cafeteria.

RSU14's K-8 schools have successfully introduced composting into their respective cafeterias, as well as increased their conversations on environmental practices and the need for people of all ages to be aware of their environmental footprint. The high school would like to continue building on the success of these programs in the lower grades, and are asking for your help to do so.

Currently, the majority of student waste is deposited in trash receptacles, as we have no composting option and recycling is not emphasized in our high school culture. Students come into the high school with knowledge of composting and recycling, however, having utilized both in lower grades.

Our school plans to create two composting and recycling stations in our cafeteria. The composting stations will reduce our overall waste as well as continue to keep sustainability needs and environmental concerns at the front of our students' minds.

To maximize the effect of these stations in our school, our health and science programs have committed to providing compost and recycling education in our required classes as well as several electives. This education will build on the foundation of environmental education received in earlier grades, while emphasizing the need for personal responsibility in caring for our environment.

Additionally, posters with specific information showing what can and cannot be recycled/composted will be at each station, along with facts regarding the importance of these projects in the cafeteria and around the entire school building.

While composting and recycling stations are not a new idea, we believe combining them with curricular instruction and co-curricular clubs will increase their effectiveness both in the school and as students leave K-12 education. The simplicity and flexibility of the idea also makes this program easily replicable in other schools.

How the money will be used:

Grant Item	Costs
Designing two (2) cabinets to house composting/trash and recycling bins	\$500 each = \$1000
Printing/reproducing student designed posters to educate their peers about the recycling/composting project, and what specifically is able to be composted	\$500
Total Grant Request	\$1500

Resources that will be contributed by the school:

- WHS's Health II and Environmental Science classes will be promoting and educating the school about the implementation of the program, as well as designing posters to be placed by the composting/recycling bins and throughout the school.
- WHS will be responsible for the cost related to working with composting pickup.
- Student groups/after school programs will gather and return bottles and cans to financially assist their programs. A number of school groups have expressed interest in being involved in this fundraising opportunity.

Evaluation:

The effectiveness of the program will be determined by tracking the number of trash dumpsters used weekly to see if we meet our goal of having a 50% reduction in trash removed from our cafeteria.

The Mid-term report will include an update on progress.

We hope to include a question regarding environmental awareness and activism in our follow-up emails sent to every student up to 3 years after graduation.

Any statistically-significant findings will be reported back.

Project Sustainability:

Program sustainability will be through including recycling and composting units each year in a variety of classes, ongoing work from student groups as part of their yearly plans, and continuing our contract with compost removal.

Timeline and Reporting:

Our goal would be to complete reports on the effectiveness of the program, halfway through the school and then again at the end of the school year.

Mid-term report completed by March 2, 2020.

Final Report completed by May 29, 2020.

Reports will be completed by Paula Pock, ppock@rsu14org, Health Teacher.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Vinalhaven Amount Requested: \$675.00

Name of school: Vinalhaven School

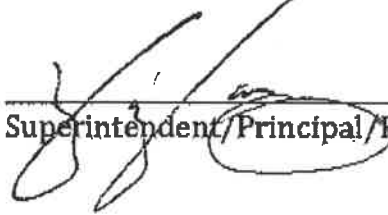
School Address: 22 Arcola Ln

Name of Superintendent/Principal/President (please print): Bryan Feezor

Contact Information (required):

Phone: 207-863-4800 ext 1101 Email: bfeezor@vinalhavenschool.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.



Superintendent/Principal/President Signature

10/24/19
Date

Staff leader for the proposed project

Name: Hillary Bunker Position/Title: Bookkeeper

Contact Information (required):

Phone: 207-863-4800 ext 1102 Email: hbunker@vinalhavenschool.org

Mailing Address: 22 Arcola Ln, Vinalhaven ME, 04863

School Administrative District Eight

22 Arcola Lane
Vinalhaven, ME 04863

tel. (207) 863-4800

Principal Fax: (207) 863-2035
Superintendent Fax: (207) 863-4572

For the 2018-2019 school year, the Vinalhaven School was awarded \$3000.00. The amount required to begin our project was less than expected and we only required the initial 80% award of \$2400.00. With this, we were able to provide all classrooms with recycling bins, purchase collection bins for the hallways and purchase wheeled carts for the custodians. Because our school did not recycle, the focus of our project was to kick start the process and provide receptacles and information to get staff and students started.

This year, the Vinalhaven School would like to request funds for a field trip to tour the EcoMaine Facilities. This field trip would be for students in grades 2-5 who have been involved in the recycling program and are excited about it. It would be a great opportunity for the kids to learn more about where trash goes and reinforce why it is so important to reduce, reuse, and recycle whenever possible. We are hoping that this field trip will provide information to the students and teachers involved that they can bring back to our school environment and share what they have seen and learned to increase and sustain participation in the current recycling program.

The Vinalhaven School is requesting funds to cover these specific expenses for 48 students and 6 chaperones:

Grant Tasks/Items	Costs
Ferry Tickets (4 Teachers/2 Ed Techs)	\$75.00
Bus Transportation	\$600.00
Total Grant Requested	\$675.00

The Vinalhaven School will pay teachers and chaperones for their time.

Upon return, the classes involved with the field trip will be asked to share what they have learned at an assembly or other project that they would like to complete and display around the school (i.e. signs promoting awareness or reminders to other students). Again, our hope is that this project will help sustain our current in-school program.

If the grant is awarded, Hillary Bunker will work closely with the 2-5 teachers to plan and organize the trip to Portland. The timing of this trip will be based on weather and ability to travel off the island. Reports will be completed on the progress in trip planning and once the trip has been successfully completed a report will be completed detailing the students' trip and the presentation of their experience.

Thank you for your consideration.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:**October 25, 2019**

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Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Yarmouth Amount Requested: \$1000.00

Name of school: Yarmouth High School

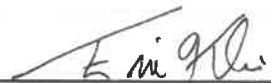
School Address: 286 West Elm Street, Yarmouth, Maine, 04096

Name of Superintendent/Principal/President (please print): Eric Klein

Contact Information (required):

Phone: 846-5535 Email: eric-klein@yarmouthschools.org

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.



Superintendent/Principal/President Signature

10/24/19

Date

Staff leader for the proposed project

Name: Amy Roberson Position/Title: Librarian

Contact Information (required):

Phone: 207-846-5535 Email: amy-roberson@yarmouthschools.org

Mailing Address: 286 West Elm Street, Yarmouth, Maine, 04096

1. Previous ecomaine Grants

Has your school ever received a school recycling grant from ecomaine? —>Yes

Yarmouth High School was awarded an ecomaine grant for \$1000 in 2018 to create an easy-to-understand counter-top system with four different options for waste sorting to be placed in our cafeteria. This sorting system included trash, returnables, recycling, and compost. The money our school received was given to our STEM teacher, Mr. Pitman to buy materials to create these containers.

2. Project Description

Currently at Yarmouth High School, we have two composting bins. Both of these bins sit in the cafeteria, in the middle of the school. They are emptied daily into a 36-gallon tote that is retrieved weekly by the company, We Compost It. I know that many students do not eat lunch in the cafeteria or cannot leave class simply to walk to the cafeteria compost bin to toss their apple cores and other food scraps. I realized recently that this system could be improved and I want to create a change that would decrease the amount of food waste heading to landfill. I know that something needs to be done to create a more sustainable composting environment, so I have decided to do an Extended Learning Opportunity (ELO) in composting. An ELO at Yarmouth High School is a semester-long learning experience driven by student interests and supported by an in-school coach, and an outside mentor. I have been lucky enough to work with Amy Roberson, one of our librarians, as my in school coach, and Katrina Venhuizen as my outside mentor. With their help, I have been able to think about the logistics and work through potential setbacks to my project.

The steps of my ELO project will include placing a compost in every classroom in Yarmouth High School, starting a composting club to empty the bins every few days, and finding leaders in my school to take over the club when I graduate this spring. Through extensive research in composting bins and biodegradable bags, I have found the most cost-efficient and odor-free solutions to help make each classroom able to responsibly sort its waste.

This project could easily be replicated at other schools, potentially even in the Yarmouth School District. Starting this kind of composting system at the high school level is ideal because when the classroom composting is a success, it can hopefully trickle down to the middle and elementary school. If every classroom in the Yarmouth School District had a compost, the amount of food waste not entering landfill would be unfathomable, and we would greatly reduce our carbon footprint. Simply by purchasing a composting service, compost bins, and creating a system for emptying the containers, this project could be easily replicated.

I know my composting project will succeed because of the culture at my school. Every teacher that I have talked to about my ELO has been ecstatic to see my project get off the ground. Additionally, the students at Yarmouth are eager to become greener. Over my time at YHS I have seen how just a few years can change a school culture. When I was a Freshman, our school sold plastic water bottles, we were not able to recycle due to too much contamination, and we lacked a green group that played an active role in sustainability at our school. Today, as a Senior, I am so proud of how far YHS has come: from banning the sale of plastic water bottles, to having a blue recycling bin back in every classroom, to creating an active green group that led a climate change walkout just a few weeks ago (in which more than half of our school

population participated in...by choice!!), I have seen just a few of the ways that our school culture has taken steps to become more sustainable.

For these reasons, I hope that ecomaine finds my project to be worthy of funding, because we all know that little steps, such as making compost more accessible, can create a large change over time. If composting becomes routine for our student body, there is a greater chance they will bring the concept home and persuade their parents to compost at home as well.

Anything to lessen our community's carbon footprint is a compelling cause in my eyes, and I hope you agree. Thank you so much for considering my project.

3. For what, specifically, will the money be used?

Detailed Budget:

36 2.4-Gallon Compost Bins

= 36 x \$18.49 = \$665.64 + \$36.61 sales tax + FREE SHIPPING = \$702.25

4 Boxes (300 each) Biodegradable Bags

= 4 x \$32.99 = \$131.96 + \$7.24 sales tax + FREE SHIPPING = \$139.20

12 Packs (10 each) Carbon Filters

= 12 x \$9.99 = \$130.67 + \$7.19 sales tax + FREE SHIPPING = \$137.86

Grant Tasks/Items	Costs
36 2.4-Gallon Compost Buckets	\$702.25
4 Boxes (300 bags per box) 3-Gallon Biodegradable Bags	\$139.20
12 Packs (10 filters per pack) Carbon Filters	\$137.86
Wiggle Room (if need extra bags or filters before end of school year)	\$20.69
<i>Total Grant Request</i>	\$1000

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

Resources that will be contributed by the school include the nutrition staff's help implementing additional composting into their current composting tote each week. Additionally, our custodial manager's time and expertise in how to logistically put composts in classroom (i.e. where they will sit in each classroom). I will be creating a composting club to

clean out the 36 bins every 2-3 days depending on how much composting material is created. Then we will take that composting material to the 36-gallon tote in the cafeteria which is composted by We Compost It.

5. What measurements will be taken to gauge and evaluate the impact of the project?

To gauge and evaluate the impact of the project, I am going to partner with the nutrition staff to see how much our school is currently composting. I was thinking about weighing the amount of compost material that our student body currently composts each week. Then, after a few months of classroom composting, I would again weigh the amount of composting material to see if implementing classroom composting has increased our green footprint and led to less food waste ending up in landfill. This will prove my projects success because it will show that students at Yarmouth are responsibly sorting their waste more so than before. If I could help increase the composting rate at the high school through my club and composting awareness , I would know that my project had a positive impact on the high school.

6. How will the project be sustained?

This project will be sustained by a composting club that I am creating to empty the bins frequently. I hope to retain students from all grade-levels to help continue the club once I have graduated. Additionally, I hope that the students that take over the club will be able to find funding for the future years composting bags and carbon filters by applying for grants such as this one through ecomaine or through the Yarmouth Education Foundation. Either way, I know that students will be able to find funding for the small, replaceable items in the project. My project will be sustained long after I am gone because there is a strong enough desire for composting at YHS.

7. Timeline and Reporting

I will be responsible for completing the mid-term and final reports, and will include a timeline for when reports will be completed. My contact information is listed below.

Lindsey Smith

Email: y2020linsmi@yarmouthschools.org

Phone: 207-420-1966

Address: 31 Sandy Brook Lane, Yarmouth, Maine, 04096

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

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E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to:
Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: Farmington Amount Requested: \$2,113.06

Name of school: University of Maine at Farmington


School Address: 224 Main St. Farmington, ME 04938

Name of Superintendent/Principal/President (please print): Dr. Edward Serna

Contact Information (required):

Phone: 207-778-7256 Email: edward.serna@maine.edu

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.


Superintendent/Principal/President Signature

10/20/19
Date

Staff leader for the proposed project

Name: Luke Kellett Position/Title: Sustainability Coordinator

Contact Information (required):

Phone: 207-778-7096 Email: luke.kellett@maine.edu

Mailing Address: 186 High St. Farmington, ME 04938

In a separate document please answer the following questions.

1. Previous ecomaine Grant(s)

Has your school ever received a school recycling grant from ecomaine? Yes

No

If yes, please answer the following: Year awarded, amount awarded, brief project description. Being a previous grant recipient does not disqualify your school from receiving additional funding.

2. Project Description

In one page or less, provide a project description that explains your plan/program for reducing waste and/or increasing recycling. Your project description must address each of the following points:

- Project outline and school commitment
- Ease of project replication
- Likelihood of success and program sustainability
- Why the project is compelling and worthy of funding

3. For what, specifically, will the money be used?

Please provide a detailed budget of all expenses using the chart below as a template. See Guidelines for more information on eligible and ineligible expenses.

Grant Tasks/Items	Costs
4 Recycling Station	4 x 408.80 = \$1,635.20
4 boxes of bin liners (bags)	4 x 79.00 = \$316.00
Total Grant Request	\$ 2,113.06

4. What resources will be contributed by the school (staff time, materials, tools, matching funding, etc.)?

5. What measurements will be taken to gauge and evaluate the impact of the project?

6. How will the project be sustained?

7. Timeline and Reporting

ecomaine requires that grant recipients complete mid-term and final reports during the course of their specified project. Please identify the **individual(s) (and their contact information)** who will be responsible for completing the reports, and a **timeline** for when reports will be completed. **Mid-term reports** should be completed no later than **March 2, 2020**. **Final reports** should be completed no later than **May 29, 2020**. The final payment will be contingent upon receipt and approval of your reports. Future awards may be contingent upon timely reporting.

ecomaine 2019/20 Recycling Grant

Project Title:

Improving Recycling at the University of Maine at Farmington's Olsen Student Center

1. Previous ecomaine Grants

We have not previously been awarded an ecomaine grant.

2. Project Description

• Project outline and school commitment

This project seeks funding to acquire four large recycling bins for the Olsen Student Center at the University of Maine at Farmington (UMF). UMF has served as a leader in university-based sustainability since the early 2000s. The campus finds the current recycling bins confusing, resulting in contamination of the recycled materials. UMF's Sustainable Campus Coalition (SCC), a coalition of UMF students, faculty and staff, is interested in improving the single stream recycling at UMF. In particular, we are interested in making recycling improvement to the largest and busiest building on campus, the Olsen Student Center.

The university currently sends all of its single-stream recycling material to ecomaine (via Waste Management Corporation in Norridgewock, ME) and continues to work hard to improve recycling at the institution. This proposal seeks to acquire a new set of recycling bins for the Olsen Student Center, which sees very high traffic from the students, faculty and staff, as well as the community of Farmington. The Student Center serves as a hub for many activities organized by campus, as well as town entities (companies, non-profits, etc.), and as such requires improvement in its recycling infrastructure. We would like to start with four sets of bins in one building as a test of ways to improve recycling on campus.

• Ease of project replication

This project is simple and very easy to replicate. A number of sources confirm that new, clearly labeled recycling bins are an effective way to increase recycling rates. If we see improved recycling with these four bins in the Olsen Student Center, we would like to replicate the replacement of bins across campus.

• Likelihood of success and program sustainability

This project offers very high chances of success. The proposal is being submitted on behalf of UMF's Sustainable Campus Coalition (SCC) and the campus sustainability

coordinator. The new bins and associated signage will be overseen by the members of the SCC, as well as UMF Facilities staff. Our experience suggests strongly that the currently-used bins are confusing and poorly-designed, and that these new bins will make recycling much easier.

- *Why the project is compelling and worthy of funding*

The program is a small, yet should be an important step in improving recycling and increasing awareness about recycling on the UMF campus. In addition, the project offers an additional opportunity to educate students, faculty and staff on the work of ecomaine and how single stream recycling works. Moreover, we hope to educate the campus on the perils of contamination and “wishcycling” within single stream recycling.

3. For what, specifically, will the money be used?

We would purchase four of the following recycling bins (which are paired with a waste receptacle).

Recyclingbin.com

https://www.recyclingbin.com/Model/Megabin-Large-50-Gallon-Recycling-Bins-Trash-Cans-53/Megabin-Duramax-Locking-Station_4

Megabin® Duramax™ Locking Station (MDS2BNT-I) : 4 x \$408.80 = \$1635.20

55 gal liners (35” x 58” x 1.25 mil), case of 125, \$79 x 4: \$316

Estimated Shipping: \$161.86

TOTAL = \$2,113.06



4. What resources will be contributed by the school staff time, materials, tools, matching funding, etc.?

UMF Facilities Management will install and empty the new recycling containers. The SCC will ensure that appropriate recycling signage will be posted on or next to the new bins.

5. What measurements will be taken to gauge and evaluate the impact of the project?

We will survey the ease of use of recycling bins before (with the current bins) and after (with the new ones) using either hard-copy evaluations (on the bins) or electronic survey forms. We will also interview the custodians about whether they find more effective use of the four new bins which pair waste and recycling containers.

6. How will the project be sustained?

The SCC will follow up our assessment with planning for the purchase of additional bins, depending on the outcome. The sustainability coordinator and SCC will check in regularly with Facilities staff to design for successful management of the bins after they are installed.

7. Timeline and Reporting

The contact for the grant is:

Luke Kellett (luke.kellett@maine.edu), 207-778-7096
Sustainability Coordinator, University of Maine at Farmington

A mid-term report will be submitted by March 2, 2020 and a final report will be submitted by May 29, 2020 as recommended in the grant directions.

ecomaine School Recycling Grants

A partnership with schools to reduce solid waste disposal and increase recycling.

Application Form Deadline:

October 25, 2019

Please review all reporting dates and requirements before submitting application!

E-mail Signed Electronic Copy to: venhuizen@ecomaine.org

Fax Signed Electronic Copy to: 207-773-8296

or Mail Signed Copy to: Katrina Venhuizen
ecomaine
64 Blueberry Road
Portland, ME 04102

ecomaine community: ? None Amount Requested: \$5000. -

Name of school: Saturday Studio Art

School Address: 14 Eggemoggin Way Harswell, ME 04079

Name of Superintendent/Principal/President (please print): Debra Norton

Contact Information (required):

Phone: 207-751-0709 Email: Nortonhillharswellme@gmail.com

I agree to accept any grant money we may receive from ecomaine on behalf of the school and to support the recycling/waste reduction plans described in this application.

Debra Norton
Superintendent/Principal/President Signature

10-15-19
Date

Staff leader for the proposed project

Name: Debra Norton Position/Title: Owner / Director

Contact Information (required):

Phone: 207-751-0709 Email: Nortonhillharswellme@gmail.c

Mailing Address: 14 Eggemoggin Way Harswell ME 04079

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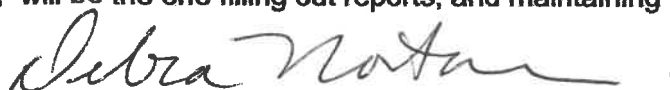
Saturday Studio Art began in October 2016 in response to a parent telling me that her children were not getting art in school. My idea was to create an art class on Saturday mornings where art would be offered to any child from the age of 4-10. The first class was full of twelve very eager children who delved into paint and glue as if their hungry minds were starving for it! My friend, Debbie and I continue to offer art classes as much as possible, and to this day nearly every time we have had class, it has been full. Each parent donates from \$10-15 dollars. Between us, we have all the art tools and other supplies which we bring each Saturday.

Our basic commitment is this:

- ~A safe environment where each student is able to experiment with multiple art media, with guidance from the two of us, as the children need it. We were not there to tell the children "here, this is what I made, now you make one"...The process is what's important!
- ~Each Saturday we offer three or four tables of supplies, some geared towards the season, some geared towards simply 'let's see what they do with these'. Money is spent on materials we cannot obtain through recycling (canvases, paint, quality papers). We upcycle cereal boxes, styrofoam, loose-parts of any type (hot glue is our friend), then add natural items from the area. Occasionally a parent will donate items which we happily accept.
- ~To this date, we have had a connection with over forty families in Harpswell, Brunswick, Freeport area. Some parents drop off their child(ren). Some parents stay and become involved not only in their child's creativity, but also with the other children by answering questions.
- ~Towards the end of class, we have a quick clean-up, then we have 20 minutes or so, of Show'n Share. The children gather around and are offered the chance to show everyone what they made. The children very respectfully ask each other questions or say something about the art-how it made them feel, or what they liked the best. Far too soon it is over until the next time!
- ~Every parent tells us their child looks forward to this class, and they are impressed by how their child has begun to ask questions about art they see in other places.
- ~ When we are able, my friend and I make a small gift bags of art supplies for every child to take home. Often these bags are treasured long after Saturday is over.
- ~I post pictures and short videos on social media (with parental permission only) that show the process of art- the idea sparking, the follow through, and questions. Often a less gregarious child finds common interest in something (it could be as simple as a color) with another student- a dialogue begins that might not in another type of situation. Social skills, problem solving, math, science, art, and history are all interwoven throughout the class.

Future ideas: To have a permanent home for the class so we won't have to bring storage boxes of supplies to and fro..... (\$65 rental fee per day, \$780.00 per year)
 ~Have an art show to showcase the students artwork.....(\$500.00 for framing)
 ~Invite local artists to come and pay them for their time.....(\$1000.00 per year)
 ~Continue to purchase quality art supplies.....(approx \$1,220.00 per year)
 ~At some point, it would be great to offer this program for free.....(\$1,500.00 per year)
 Total (\$5000.00 per year)

....I, Debra Norton, will be the one filling out reports, and maintaining the social media site.



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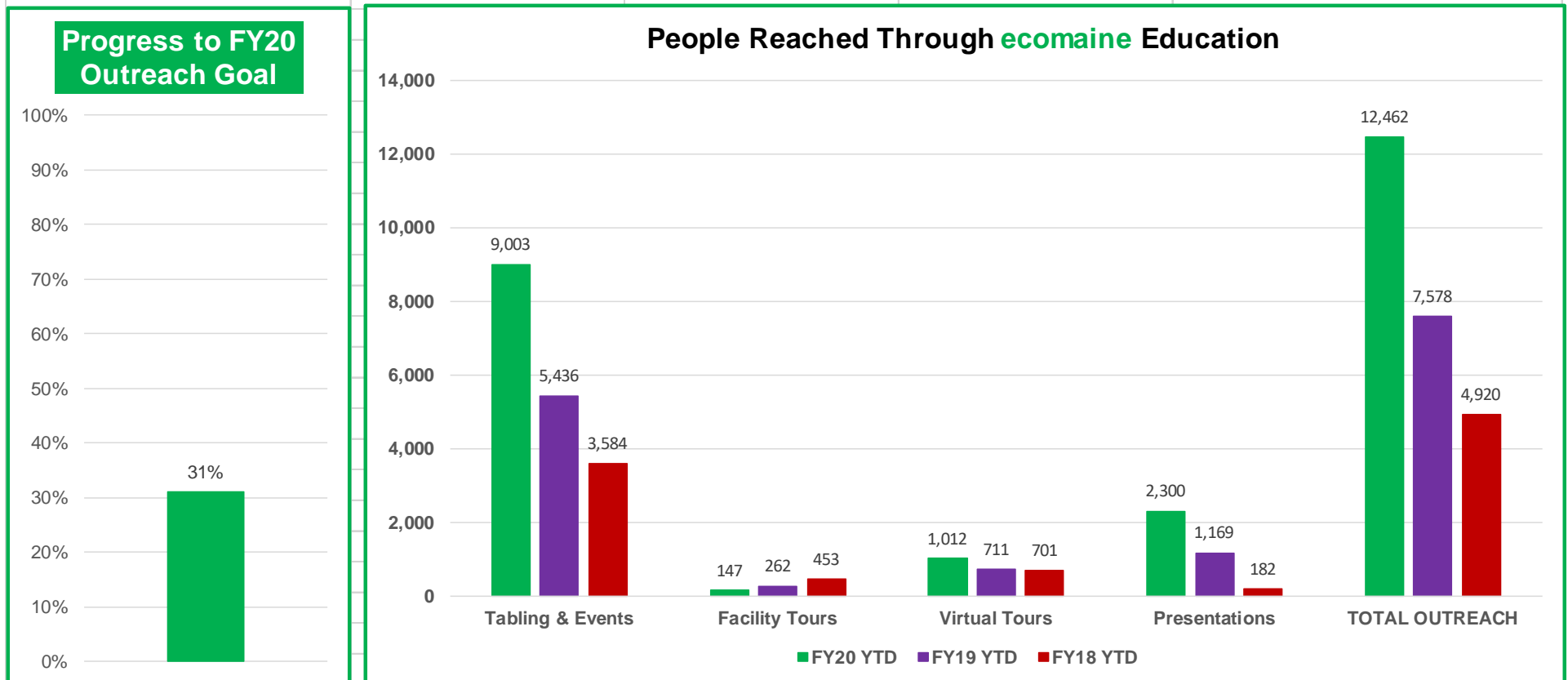
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Attachment D: P.R., Outreach, & Education

D1. Educational Outreach, FY20 YTD

FY20 ecomaine Outreach Summary

	FY20 YTD	FY19 YTD	FY18 YTD	FY20 GOAL
Tabling & Events	9,003	5,436	3,584	28,000
Facility Tours	147	262	453	1,215
Virtual Tours	1,012	711	701	5,185
Presentations	2,300	1,169	182	5,600
TOTAL OUTREACH	12,462	7,578	4,920	40,000





Outreach Recap, Sept.-Oct. 2019

9/3/2019	Presentation	Freshman Presentation SoPo HS	245	South Portland	Katrina	High School	
9/4/2019	Facility Tour	Public Tour	3	Old Orchard Beach	Vanessa	All Ages	
9/4/2019	Presentation	Lunch Presentation @ Lyman Moore School	500	Portland	Katrina	Elementary	
9/4/2019	Presentation	Hollis Select Board Presentation by KR	5	Hollis	Other	Adult	
9/5/2019	Other Outreach	MECA Resource Fair Tabling	60	Portland	Katrina	College	
9/5/2019	Presentation	Saco Bay Rotary Club Presentation	40	Old Orchard Beach	Vanessa	Adult	
9/6/2019	Presentation	Falmouth HS Presentation	715	Falmouth	Katrina	High School	
9/7/2019	Other Outreach	Portland Greenfest	325	Portland	Other	All Ages	Combo of all staffers' outreach
9/9/2019	Other Outreach	Town & Country Trash Audit	2	Scarborough	Katrina	Adult	
9/10/2019	Virtual Tour	Lyman Moore School Virtual Tours	190	Portland	Katrina	Middle School	
9/11/2019	Facility Tour	MECA Facility Tour	18	Portland	Katrina	College	
9/11/2019	Presentation	Seedlings to Sunflowers (PreK + Aftercare)	55	Gorham	Vanessa	Elementary	
9/11/2019	Virtual Tour	100 State Street	22	Portland	Katrina	Adult	
9/12/2019	Presentation	Tin Mountain Conservation Center	15	Other	Katrina	Adult	New Hampshire
9/12/2019	Other Outreach	Woolwich Open House @ Central School	50	Woolwich	Vanessa	All Ages	
9/13/2019	Facility Tour	Public Tour - All Three Facilities, MECA Student	1	Portland	Katrina	College	Project on sound of spaces (waste mgmt sounds)
9/14/2019	Other Outreach	OOB Car Show w/ Leaf	200	Old Orchard Beach	Vanessa	All Ages	
9/14/2019	Other Outreach	We Are Portland event @ Lincoln Park	50	Portland	Vanessa	All Ages	
9/18/2019	Other Outreach	Papermaking @ Cape Elizabeth Library	27	Cape Elizabeth	Katrina	Elementary	
9/18/2019	Facility Tour	Group of 4th graders & chaperone	7	Gorham	Vanessa	Elementary	
9/19/2019	Presentation	Kennebec Plaza Seniors Group	15	Augusta	Vanessa	Adult	
9/20/2019	Presentation	Common Ground Fair - Friday	18	Other	Katrina	Adult	
9/21/2019	Presentation	Common Ground Fair - Saturday	25	Other	Vanessa	Adult	
9/21/2019	Other Outreach	Life Happens Outside Festival	60	Freeport	Katrina	All Ages	
9/22/2019	Presentation	Common Ground Fair - Sunday	6	Other	Vanessa	Adult	
9/22/2019	Other Outreach	Common Ground Fair - Tabling	725	Other	Other	All Ages	Combo of all staffers' outreach
9/23/2019	Virtual Tour	Altusa Saco Area Seniors	15	Saco	Vanessa	Adult	
9/24/2019	Presentation	Kennebunkport RCY Committee	8	Other	Vanessa	Adult	w/ Lissa B.
9/25/2019	Virtual Tour	OOB Adult Ed	3	Old Orchard Beach	Vanessa	Adult	
9/25/2019	Other Outreach	Deering HS	50	Portland	Katrina	High School	DHS Tabling
9/25/2019	Virtual Tour	Naples Library Program	8	Naples	Katrina	Adult	
9/26/2019	Virtual Tour	Prince Memorial Library, Cumberland	37	Cumberland	Katrina	Adult	37 over two groups
9/27/2019	Virtual Tour	Rowe Elementary Presentation	120	Yarmouth	Katrina	Elementary	First graders
9/28/2019	Other Outreach	ecomaine Open House	1500	Other	Other	All Ages	Combo of all staffers' outreach
9/29/2019	Presentation	St. Luke's Church	20	Portland	Vanessa	Adult	
10/2/2019	Other Outreach	Maine Municipal Assn Conference	50	Other	Katrina	Adult	With Lissa
10/2/2019	Virtual Tour	Kids Go Eco	13	Saco	Vanessa	Elementary	
10/3/2019	Presentation	St. Mary's Episcopal	15	Falmouth	Other	Adult	Matt
10/4/2019	Virtual Tour	Manchester School	65	Windham	Katrina	Grade 4	
10/5/2019	Other Outreach	0435Fun	85	Other	Vanessa	All Ages	Manchester - OK'd this in good faith; also R/W/F
10/5/2019	Other Outreach	Apple Day Maine Audubon	45	Falmouth	Katrina	All Ages	
10/7/2019	Virtual Tour	Lakes Region Senior Center	30	Gorham	Vanessa	Adult	
10/7/2019	Other Outreach	Manchester School - Jen Ocean's Class	22	Windham	Katrina	Grade 5	Waste Audit
10/8/2019	Facility Tour	Pownal Elementary	10	Pownal	Katrina	Grade 5	
10/8/2019	Virtual Tour	Sable Lodge Retirement Community	3	South Portland	Katrina	Adult	
10/9/2019	Virtual Tour	Bonny Eagle Middle School	90	Standish	Vanessa	Middle School	
10/9/2019	Presentation	Follow up meeting with 2 Open House attendees	2	Other	Vanessa	Adult	Kennebunk
10/10/2019	Other Outreach	Papermaking at St. Joe's	5	Standish	Vanessa	College	
10/10/2019	Facility Tour	Saco Seniors Group	14	Saco	Vanessa	Adult	
10/11/2019	Virtual Tour	Branch Managers, People's Choice Credit Union	6	Saco	Vanessa	Adult	
10/11/2019	Presentation	Harpwell Coastal Academy	15	Other	Vanessa	High School	Students from all around, not just Harpswell
10/14/2019	Facility Tour	Casco-Naples Cub Scouts	18	Naples	Katrina	Elementary	
10/15/2019	Presentation	Kid's Climate Lobby - Reiche School	8	Portland	Katrina	Elementary	
10/15/2019	Virtual Tour	South Portland HS	6	South Portland	Katrina	High School	
10/16/2019	Presentation	CK Burns School Saco	21	Saco	Katrina	Grade 3	
10/17/2019	Other Outreach	Great Falls Forum - Lewiston	48	Other	Katrina	Adult	
10/18/2019	Facility Tour	Scarborough Middle & High School	14	Scarborough	Vanessa	All Ages	RCY only
10/19/2019	Other Outreach	Green Home & Energy Show	105	Portland	Other	Adult	Both KV & VB
10/20/2019	Other Outreach	Maine Ultimate Frisbee Tournament Tabling	60	South Portland	Vanessa	Adult	
10/21/2019	Virtual Tour	Lincoln Middle School	24	Portland	Katrina	Grade 7	
10/21/2019	Presentation	MaineHealth	15	Portland	Katrina	Adult	
10/21/2019	Virtual Tour	Portland Community Squash Afterschool	22	Portland	Katrina	Middle School	Plus sorting game
10/21/2019	Presentation	Hiram Adult Ed	8	Hiram	Vanessa	Adult	
10/22/2019	Virtual Tour	Lincoln Middle School	24	Portland	Katrina	Grade 7	
10/22/2019	Presentation	Sable Oaks Retirement Home	6	South Portland	Katrina	Adult	
10/22/2019	Presentation	Eight Corners Elementary	180	Scarborough	Vanessa	Elementary	
10/23/2019	Presentation	St. Joseph's College	30	Standish	Vanessa	College	Class Presentation
10/23/2019	Facility Tour	Deering HS Career Day	2	Portland	Katrina	High School	Career info and tour
10/23/2019	Virtual Tour	Freeport Library Presentation and Virtual Tour	4	Freeport	Katrina	Adult	
10/25/2019	Other Outreach	Maine Mariners Game - Tabling & On-ice Promo	2,534	Portland	Katrina	All Ages	Katrina and Matt
10/26/2019	Other Outreach	Tabling at Fryeburg Transfer Station	100	Fryeburg	Vanessa	All Ages	
10/28/2019	Virtual Tour	CK Burns School Saco	21	Saco	Katrina	Grade 3	
10/29/2019	Other Outreach	Spectrum Wellness Fair	80	Portland	Vanessa	Adult	
10/30/2019	Other Outreach	Maine Mail Trunk or Treat Tabling	800	South Portland	Vanessa	All Ages	
10/30/2019	Presentation	Kids Go Eco School Papermaking/Crafts	14	Saco	Vanessa	Elementary	PreK
10/31/2019	Other Outreach	St. Joseph's College - Waste Audit	30	Standish	Vanessa	College	
10/31/2019	Presentation	Sea Bags Meeting	3	Portland	Katrina	Adult	
10/31/2019	Presentation	Portland Adult Ed	2	Portland	Katrina	Adult	



D2. Metrics: Sept.-Oct. 2019

Recyclopedia:

- Downloads to date stand at 3,849 (an increase of 143 in Sept.-Oct.).
- The widget on web pages was viewed 80,025 times, which is up significantly over August's 69,323 times and more than 30% above end/FY19's views.
- A total of 183,161 items have been searched on the RECYCLOPEDIA (up from 170,871 at end/August).
- The top 10 searches are: plastic bag, Styrofoam, milk cartons, aluminum foil, plastic straws, plastic bottle caps, almond milk cartons, plastic utensils, alkaline batteries, and toilet seats.

Social Media Stats:

Facebook:

- Gained 93 new followers in Sept.-Oct. (2,694 total)
- Our top organic post, with 4,211 interactions, was a photo of a wedding dress received at the Recycling facility.
- Our average daily organic post reach was 517 users in Sept.-Oct.

Twitter:

- We gained 22 new followers in Sept.-Oct., for a total of 797, and earned an average of 9,400 tweet impressions, with the top tweet (689 impressions) being a post about the City of Portland's approved ban on single-use plastic straws.

Instagram:

- We had 40 Instagram posts in Sept.-Oct., which generated 1,107 likes. We gained 103 new followers for a total of 1,351.

ecomaine.org:

- In Sept.-Oct., traffic is up 11% from July-Aug.
- In Sept.-Oct. 2019, traffic is up 18% from Sept.-Oct. 2018
- Page views increased 12% from July-Aug to Sept.-Oct.
- Page views increased 17% from Sept.-Oct. 2018 to Sept.-Oct. 2019

Media Mentions (30 in Sept.-Oct; 54 in FY20 to date)

[Old Orchard Beach Enters Contract with ecomaine](#) (Biddeford Journal Tribune)

[Portland police investigate possible theft at recycler ecomaine](#) (Portland Press Herald)

[Ecomaine announces school recycling grants](#) (Portland Press Herald)

[Police investigate alleged \\$300k theft from southern Maine recycling company](#) (Bangor Daily News)

[Former ecomaine manager named in search warrant related to theft of \\$300,000](#) (WMTW Channel 8)

[Manager named in search warrant for recycling plant theft](#) (News Center Maine)

[Recycling plant head fired; police investigate \\$300k theft](#) (Raleigh News & Observer)

[The interns teaching Mainers to be better recyclers](#) (Maine Public Radio)



[Faced with mounting recycling costs, committee recommends Brunswick launch public information campaign](#) (Brunswick Times Record)

[Maine briefs: Third suspect arrested in Presque Isle shooting; 2 dead after I-95 crash in Howland; Recycling plant head fired; police investigate \\$300k theft; Collins' aide: New Kavanaugh accusation 'lacks an accuser'](#) (Brunswick Times Record)

[Sheriff, Harrison officials push for better communication](#) (The Bridgton News)

[Home & Garden: Wrestling with Recycling](#) (The Free Press)

[Eliot Select Board extends appeal deadline for fired DPW chief](#) (SeacoastOnline.com)

[Boxberry School presents 'Educating for Sustainability'](#) (Lewiston Sun Journal)

[Town manager discusses new options for recycling in Clinton](#) (Kennebec Journal & Waterville Morning Sentinel)

[Council sends \\$4M land buy to Gorham voters](#) (Portland Press Herald)

[ecomaine sets deadline for recycling grants](#) (Scarborough Leader)

[ecomaine Announces Deadline for \\$25,000 in Grants to Promote Recycling, Compost](#) (Waste Advantage Magazine)

[Ecomaine CEO unveils new fire suppression system](#) (Portland Press Herald)

[Panelists to discuss recycling at Great Falls Forum](#) (Lewiston Sun Journal)

[L-A This Week](#) (Lewiston Sun Journal)

[October 17, 2019: The Ecology and Economy of Recycling, Lewiston](#) (NRCM Blog)

[Panelists explain why recycling has to change for it to matter](#) (Lewiston Sun Journal)

[Recycling Industry Directory 2019 - Includes Over 23,600 Company Details](#) (Yahoo! Finance)

[Portland holds first reading of plastic straw ban](#) (WGME Channel 13)

[We Love to Eat: Oct. 3](#) (Portland Press Herald)

[Ditching plastic straws 'the right thing to do,' Portland restaurant says](#) (Bangor Daily News)

[Yarmouth delays pay-per-bag, transfer station upgrades](#) (Forecaster / Portland Press Herald)

[Burned by lithium battery surge, recyclers seek solutions](#) (Waste Dive)

[ecomaine's Katrina on the Jon, Joe and Courtney Show Tuesday 10/15/19](#) (WPOR 101.9FM)