

# **NOTICE!**

The recycling center on Sargeant Drive will close for good on  
December 31, 2019

# **COMING!**

January 1, 2020!!

“One Bin All In”

Better Recycling Rate!

Environmentally friendly!

More cost effective!

Questions/confused? Contact Tony Smith at 276-5743 or [director@mtdesert.org](mailto:director@mtdesert.org)

## “One Bin All In”

Mix all recycling with trash for curbside collection by the town crew on your regular collection day(s) for delivery to the EMR transfer station in Southwest Harbor

EMR will take the mixture to Coastal Resources of Maine (Coastal), our new materials recovery facility in Hampden.

## Recycling Rates

Our average annual recycling rate 11%-12%

State goal by law 50%

State currently approximately 36%

Coastal initial goal 50%

Coastal longer-term goal 80%

Materials removed and sold by Coastal for recycling and reuse = higher recycling rate for us  
and = revenue for Coastal = rebates for us =  
lower fees we pay.

## Acadia Disposal District

### Coastal Resources of Maine (CRM)

#### Our recyclables and what they do with them.

Clean corrugated cardboard (OCC)	Baled and sold for reuse/recycling or put into CRM pulper to make cellulose pulp sold and used in production of new OCC.
#1 and #2 plastic	Baled and sold for reuse/recycling
Caps on or off?	Leave on bottle, jugs and food containers. Once these items are sold to a mill, they will be shredded and sorted by type of plastic.
#3 thru #7 plastic, including corn-based bio-plastic	Baled and sold for recycling or to a company working to convert them to a fuel product.
Plastic shoppings bags and similar film	Converted to a briquette sold as a commercial boiler fuel.
Tin cans and aluminum such as pie plates and disposable baking pans	Baled and sold for recycling.
Glass	Crushed and sold as daily cover for landfill operations or as a crushed rock or gravel supplement.
Scrap metal	Sold as scrap.
Other paper, including yellow and/or dirty OCC, magazines, newspapers, boxboard, flyers, envelopes, etc.	Goes thru the CRM pulper for conversion to cellulose pulp used in production of new OCC or, depending on market conditions, can be baled and sold.
Organics	Go into the CRM anaerobic digester for biogas production for us on site or for sale to a local gas company for resale to their customers.
Boat wrap and sheet plastic	Not desirable but is acceptable if cut into 3-foot square sections. Pilot study to identify a use planned for spring 2020.
Clothing and shoes - now	They are accepted but are not processed and, as such, become residual materials that are landfilled. It is recommended that they be taken to a re-sale type shop like Goodwill. For Goodwill, clothing must be clean and dry, not have any paint or chemicals on them but, do not have to be in good condition. Torn is OK (they make rags). Also, they will accept one shoe - they have a matching shoe program!
Clothing and shoes - future	CRM has been in contact with Apparel Impact and is looking forward to them expanding into Eastern Maine. This business provides bins for discarded clothing, accessories and shoes and collects them on a two-week schedule.
Batteries	To date, single-use batteries are the only type allowed in the CRM trash. Automotive batteries can be returned to Wal-Mart or wherever else they might have been purchased. Batteries of all kinds can be taken to EMR or dropped off at the annual universal waste collection event held in September at the high school.
Hot cups (OCC product with plastic lining)	Goes into the pulper for cellulose pulp production or the anaerobic digester for biogas production.
K-cups	Being evaluated with the manufacturer for potential recycling.

# HOW TO RECYCLE YOUR TRASH



## ONE BIN ♻️ ALL IN

- 🌱 Break down cardboard boxes.
- 🌱 Empty all containers (especially plastic) of food/liquid, rinse and leave the caps on.
- 🌱 Cut up garden hoses, rope and tarps, etc.- Nothing over 3ft. should be thrown in with household waste as it tangles the equipment.
- 🌱 Recycle lightbulbs, batteries, electronics, propane tanks, and paint at local take back sites.
- 🌱 Needles should be placed in a detergent bottle and sealed.
- 🌱 Clothes, accessories, and bedding, etc. can be donated to thrift shops – (Goodwill, particularly, will take anything that is clean and dry – ripped and torn is ok!)
- 🌱 No yard waste – grass, brush, leaves, or tree limbs.
- 🌱 No mattresses, old furniture, carpets, home improvement debris, or power tools.



**COASTAL RESOURCES OF MAINE**

Hampden, ME 04444 207-401-5131

[info@coastalresourcesme.com](mailto:info@coastalresourcesme.com) [www.coastalresourcesme.com](http://www.coastalresourcesme.com)

## STEP 1: WASTE IN



Trash and recycling are delivered to Coastal Resources of Maine using existing local waste collection systems.

### WHY ARE WE DIFFERENT?

Most recycling has to be separated out from the rest of the black bag trash or it just goes to the landfill. Coastal recycles the materials you put in your trash bin, so you don't need to separate them!

## STEP 2: SIZE SORTATION



The waste is de-bagged, placed onto a conveyer then split into streams based on the size of the components. Items like textiles and large bulky items are separated out.

### PLEASE NOTE:

Keep workers safe. Do not put tires, appliances, needles, tools, or any hazardous waste in your trash.

## STEP 3: RECOVERY



Using high-tech optical sorting, magnets, electrical fields, and density, the different types of glass, plastics, metals, and cardboard are recovered from the waste stream and recycled for re-use as a raw material. Plastic bags are removed and sent to step 6.

### WHY ARE WE DIFFERENT?

Plastic bags are hard to remove, which is why THEY are typically not recyclable, but Coastal can beneficially reuse them. We use the most advanced systems in the industry to separate out the plastics and metals, which means we recover more and – just as important – what we recover is clean for high-value reuse.

## STEP 4 & 5: PULPING & WASHING



The remaining mixture of trash and paper are treated with water. Organic materials dissolve in the water and move on to step 7. The paper is broken down into pulp, which is the building block of new paper.

The pulp is washed. Washing not only cleans the pulp; it pulls out any last remaining organic materials for reuse in step 7.

### WHY ARE WE DIFFERENT?

This is the first recycling facility in the US with a pulper! Typically, only clean, standard sheets of paper and cardboard can be recycled. By going straight to pulp, Coastal can recycle all the fiber-based materials in trash! This includes things like dirty paper plates, coffee cups, and pizza boxes – now they all can be recycled, not landfilled!

## STEP 6: ENGINEERED FUEL



Certain components of your trash are not recyclable – but they still can be used beneficially. These materials, like plastic films and wrap, are carefully selected out of the waste stream, processed, and compacted into a briquette. Local businesses use these briquettes for internal energy generation, saving them money and helping them go green at the same time.

### WHY ARE WE DIFFERENT?

Coastal's Engineered Fuel is different than incineration of raw waste or "refuse derived fuel," both of which do not undergo the careful selection and processing that occurs at Coastal.

## STEP 7: ANAEROBIC DIGESTION



The watery stream of organic wastes, like food leftovers, flow into the anaerobic digester. Like a stomach, this digests the organics into a renewable natural gas, leaving the water clean. The clean water is recycled in a closed loop back into the system. The renewable gas is used to power Coastal, offsetting fossil fuels. In the future, it could also be used locally as a natural gas substitute to lower our community's carbon footprint.

### WHY ARE WE DIFFERENT?

Typically, food wastes are landfilled. Here we capture a beneficial value from the waste and reduce our carbon footprint in the process!