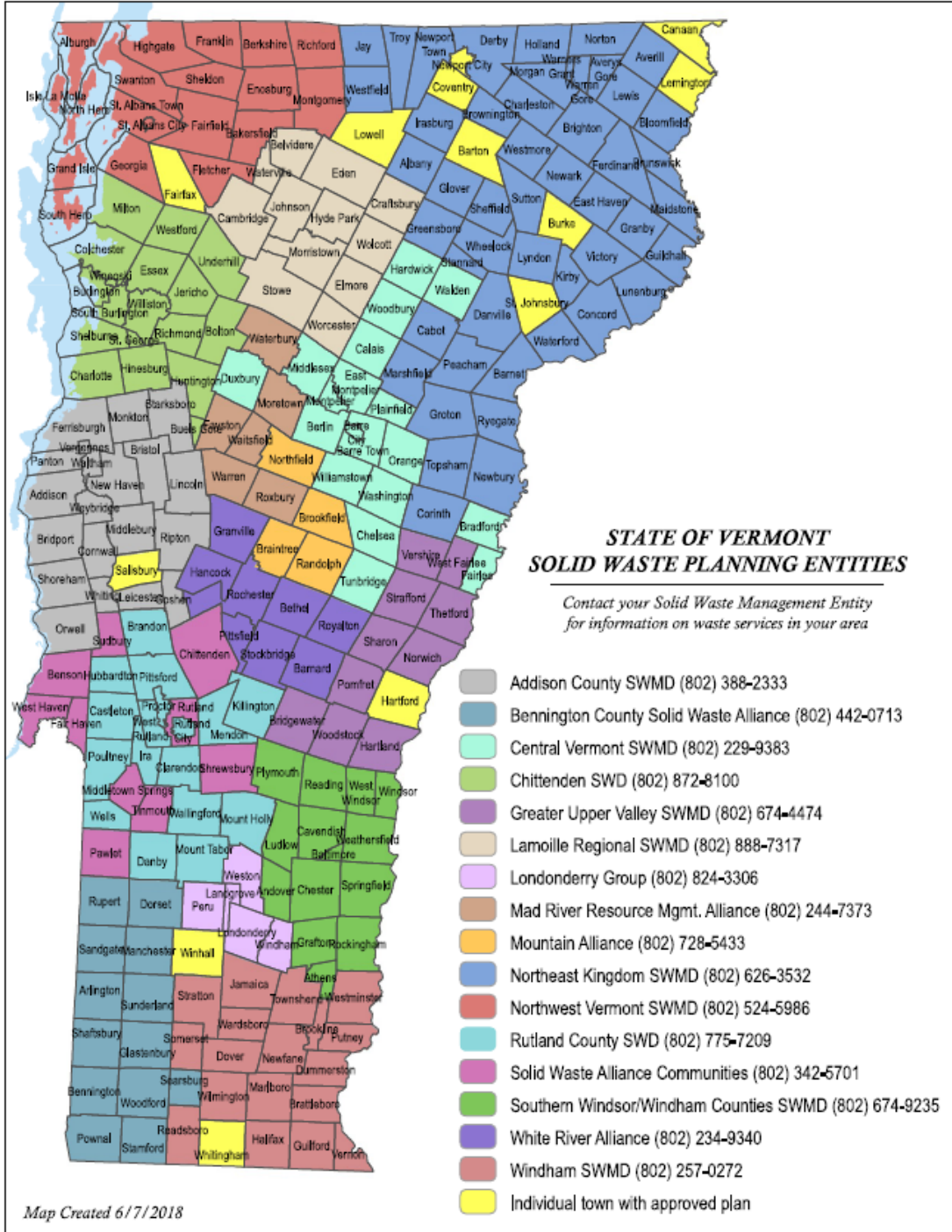


EPR for Single-use Products

Prepared for Single-use Products
Working Group

09/24/19





VT Recycling Collection System

Two options

- Curbside Collection – mostly individual subscription*
- Drop-off collection - provided by municipalities and private businesses

* Municipalities that pay for curbside service – Burlington, Brattleboro, Bristol, Burke, Hartford, Westminster, Vernon, Proctor, Goshen, Westmore, Guildhall, Maidstone, Bloomfield, Brunswick, Fairfax Westford



Separation and Marketing Recyclables

- Two Single-Stream Material Recovery Facilities (MRFs) owned by CSWD and Casella
- Source separated drop-off facilities



Municipal Options with EPR for Single-use Products

- Contract with stewardship organization for compensation to collect, process and market recyclables
- Transfer control for collection of recyclables to stewardship organization
- Continue to collect, process and market recyclables outside the stewardship program

Public Space Recycling Requirements



Education



The User's Guide to RECYCLING

PAPER & cardboard
Clean & dry

METAL CANS & foil
Empty & rinsed

PLASTIC CONTAINERS & packaging
Empty & rinsed

GLASS BOTTLES & jars
Empty & rinsed

MINIMUM SIZE 2 inches

MAXIMUM SIZE 3 feet

Learn more at www.cswd.net/recycling

NOT IN YOUR BIN NOT IN THE TRASH

These items are **BANNED** from the recycling bin and the trash can. Call (802) 872-8111 or visit www.cswd.net for disposal options.

Electronics, Appliances, Fuel canisters, Mercury items, Natural wood, Hazardous waste, Chargeable batteries, Tires, Oil & filters, Scrap metal, Fluorescent bulbs

YOUR BIN
Don't belong in bin. Read the options on the web-formation.

Plastic bags, Hardcover books, Food*, Clothing & textiles, Single-use batteries

*All food will be banned from the landfill in VT beginning July 1, 2020.

Chittenden Solid Waste District (802) 872-8111 www.cswd.net

RECYCLE

PAPER & cardboard
Clean & dry

CONTAINERS
Bottles, cans, jars, packaging
Empty & rinsed clean

NO PLASTIC BAGS
Unless certified compostable. Instead: Put in trash or take back to grocery store.

NO CLOTHES
Instead: Bring to drop-off location.

NO MISC. METAL
Instead: Bring to drop-off location.

MORE INFO (802) 872-8111 www.cswd.net/recycling

CSWD
Chittenden Solid Waste District

POTENTIAL Impact to **Municipalities**

- Decrease or no cost for curbside, drop-off, public space and events recycling
- Increase in collection infrastructure
- Increase in curbside collection
- Increase in collection efficiency
- Standardized material list and education
- Higher recovery rates for recyclables
- Additional recycling options for other SUP
- Loss of hauler choice
- Stranded public investments




What are the goals?

- Financial relief for municipalities
- Higher recovery rates and diversion from landfill
- Minimize packaging and design it for recovery and recyclability
- Design packaging with consideration to climate change (GHG emissions)

Design for Environment

Design for
end-of-life

EPA's Coffee Packaging Analyses

Coffee Packaging (11.5 oz product)	Recyclable postconsumer?	Energy Consumption (MJ/11.5 oz.)	CO2 eq Emissions (lbs/11.5 oz)	MSW Waste Generated (lbs./ 100,000 oz. of product)
	Steel can – yes Plastic lid – no	4.21	0.33	1,305
	Plastic container – yes Plastic lid - no	5.18	0.17	847
	Flexible pouch - no	1.14	0.04	176

More food waste or less packaging?



Packaging Attributes

What should be encouraged with EPR?

- Recoverable and Recyclable
- Reusable
- Recycled content
- Biobased/Compostable
- Green House Gas Emissions (GHGs) over entire lifecycle of package

EPR for Single-use Products

Requirements for success

- High level of convenience/access to recycling & education
- Total collection costs covered
- Municipal choice in participation
- Use of existing infrastructure
- Modulating fees that encourage material reduction; recycled content; and use of materials with the lowest life cycle impacts over full life of the product and package instead of focusing only on end-of-life management

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