



Become a NERC-APR
**GOVERNMENT RECYCLING
DEMAND CHAMPION**

Specifications – Examples

August 14, 2020

Clothing.....	1
Marketplace	1
Massachusetts	1
Floor Coverings	1
Massachusetts	1
New York.....	1
Furniture – Indoor & Out-of-Doors.....	1
Federal	1
New York.....	2
Landscaping.....	2
Federal	2
Non-pressure Pipes.....	3
AASHTO.....	3
Federal	3
Office Products.....	3
Federal	3
Massachusetts	4
Outdoor Lumber	4
Federal	4
Massachusetts	5
Plastic Bags.....	5
Federal	5
Massachusetts	5
Minnesota	6
New York.....	6
Recycling Containers, Bins, Roll-Offs, & Compost Containers.....	7
Federal	7

Massachusetts	7
Traffic Control	7
Federal	7
Massachusetts	8
Third Party Certifications Verifying Post-Consumer Recycling Content.....	8

Clothing

Marketplace

100% post-consumer PET

Massachusetts

Made with recycled materials (e.g. recycled polyester and or PET plastic) or organically grown cotton, bleached without the use of chlorine, or similar environmental attribute - desirable

Floor Coverings

Massachusetts

Flooring, hard surface

Must be certified by one of the following:

- The Cradle to Cradle Innovation Institute at the Silver Level or Higher
- Scientific Certification System (SCS) Under Its FloorScore Standard
- UL GREENGUARD Gold
- Forest Stewardship Council (FSC)

It is desirable that the products have at least 30% post-consumer recycled content or 50% total recycled content.

New York

Carpet & carpet tile

<https://ogs.ny.gov/greenny/carpet-and-carpet-tile>

Furniture – Indoor & Out-of-Doors

Federal

Building furnishings

- <https://sftool.gov/greenprocurement/green-products/27/building-furnishings/1734/furniture/0?addon=False>
- [CPG](#) (see Office Furniture Components)

Park benches

- <https://sftool.gov/greenprocurement/green-products/12/park-recreation/188/park-benches/0?addon=False>
- Plastic
 - [CPG](#) 100% recovered plastic, including 90-100% postconsumer content
- Plastic composites
 - [CPG](#) 100% recovered plastic composites, including 50-100% postconsumer content

Picnic tables

- <https://sftool.gov/greenprocurement/green-products/12/park-recreation/1357/picnic-tables/0?addon=False>

- Plastics
 - [CPG](#) 100% recovered plastic, including 90-100% postconsumer content
- Plastic composite
 - [CPG](#) 100% recovered plastic composites, including 50-100% postconsumer content

Playground equipment

- <https://sftool.gov/greenprocurement/green-products/12/park-recreation/208/playground-equipment/0?addon=False>
- Plastics
 - [CPG](#) 100% recovered plastic, including 90-100% postconsumer content
- Plastic composites
 - [CPG](#) 95-100% recovered plastic composites, including 50-75% postconsumer content

Massachusetts

Playground equipment

- Plastics: 100% recovered plastic, including minimum 90% PCRC
- Plastic Composites: Minimum 95% recovered plastic composite, including minimum 50% PCRC

Desirable: Vendors provide take-back services for recycling of packaging and damaged or out of date products

New York

Furniture

<https://ogs.ny.gov/greenny/furniture>

Playground equipment

<https://ogs.ny.gov/greenny/outdoor-furniture-and-playground-structures>

Non-wood-based Products

- *Thermoplastic* – the plastic portion of the product must be composed of 100% recycled content and at least 90% post-consumer plastic.
- *Thermoset Plastic* – the plastic portion of the product must be composed of at least 50% post-industrial or post-consumer recycled content.
- *Plastic composite (using thermoplastic)* – the plastic portion of the product must be composed of 100% recycled content and at least 50% post-consumer content.
- *Plastic composite (using thermoset plastic)* – the plastic portion of the product must be composed of at least 50% post-industrial or post-consumer recycled content.

Landscaping

Federal

<https://sftool.gov/greenprocurement/green-products/6/landscaping-products/129/hoses/0?addon=False>

- *Garden hose*
 - [CPG](#) 60-65% postconsumer plastic

- *Soaker hose*
 - [CPG](#) 60-70% postconsumer plastic
- *Lawn and garden edging*
 - [CPG](#) 30-100% recovered plastic including 30-100% postconsumer content

Non-pressure Pipes

AASHTO

Model specification for purchasing plastic corrugated drainage pipe that contains post-consumer plastic, as approved by AASHTO M294R.

Add into a solicitation for municipal gravity flow storm sewer and/or drainage projects the following language:

For municipal gravity flow storm sewer and/or drainage projects, there is a [preference]/[requirement] that the corrugated plastic pipes meet or exceed the requirements of AASHTO M294R or ASTM F2306 and are labeled as containing recycled content.

Federal

- <https://sftool.gov/greenprocurement/green-products/24/hvacmechanical/173/non-pressure-pipes/0>
- [CPG](#)
 - 100% postconsumer high density polyethylene
 - 25-100% recovered polyvinyl chloride; including 5-15% postconsumer content

Office Products

Federal

Binders

<https://sftool.gov/greenprocurement/green-products/9/non-paper-office-products/18/binders/0?addon=False>

- Plastic
 - [CPG](#)
 - 80% postconsumer miscellaneous plastics
 - 100% postconsumer polyethylene terephthalate
 - 30-50% recovered polyethylene; including 30-50% postconsumer content
- Plastic-covered
 - [CPG](#) 25-50% recovered material
- Solid plastic
 - [CPG](#) 90% postconsumer high density polyethylene

Plastic clip portfolios

- <https://sftool.gov/greenprocurement/green-products/9/non-paper-office-products/197/plastic-clip-portfolios/0?addon=False>
- [CPG](#)

- 90% postconsumer high density polyethylene

Plastic clipboards

- <https://sftool.gov/greenprocurement/green-products/9/non-paper-office-products/198/plastic-clipboards/0?addon=False>
- [CPG](#)
 - 90% postconsumer high density polyethylene
 - 50% postconsumer polystyrene
 - 15-80% recovered plastics including 15% postconsumer material

Plastic desktop accessories

- <https://sftool.gov/greenprocurement/green-products/9/non-paper-office-products/199/plastic-desktop-accessories/0?addon=False>
- [CPG](#)
 - 25-80% postconsumer polystyrene

Plastic file folders

- <https://sftool.gov/greenprocurement/green-products/9/non-paper-office-products/203/plastic-file-folders/0?addon=False>
- [CPG](#)
 - 90% postconsumer high density polyethylene

Plastic presentation folders

- <https://sftool.gov/greenprocurement/green-products/9/non-paper-office-products/206/plastic-presentation-folders/0?addon=False>
- [CPG](#)
 - 90% postconsumer high density polyethylene

Massachusetts

Binders

Mandatory

- Plastic with chipboard or cardboard interior: minimum 30% PCRC, desirable to have no antimicrobial coatings
- Solid Plastic: made of materials that are readily recyclable in residential programs

Outdoor Lumber

Federal

Timber & posts

- <https://sftool.gov/greenprocurement/green-products/6/landscaping-products/204/plastic-lumber-landscaping-timber-posts/0?addon=False>
- [CPG](#)
 - 95-100% other mixed recovered resins including 50-100% postconsumer content
 - 100% recovered mixed plastics/sawdust including 50% postconsumer content
 - 75-100% recovered high density polyethylene including 25-100% postconsumer content

- 95% recovered high density polyethylene/fiberglass including 75% postconsumer content

Pallets

- <https://sftool.gov/greenprocurement/green-products/8/miscellaneous/1254/pallets/0?addon=False>
- [CPG](#)
 - 100% postconsumer plastic lumber
 - 25-50% postconsumer thermoformed

Massachusetts

Fencing, decking, railings

All plastic used for fencing and post materials must be made from a minimum of 60% post-consumer recycled plastic (PCRP)

Landscape timbers

Includes all timbers designed for use in landscaping applications.

If timber is not solid wood, it must contain a minimum of 90% total recovered materials, at least 50% of which must be recycled plastic. Timbers may contain fiberglass, wood, or other non-plastic material designed to provide structural strength; however such material must be from recycled material and cannot comprise more than 50% of the total product.

All plastic lumber must be guaranteed against undue warping, sagging, cracking, splitting, rotting, and insect infestation for a minimum of ten (10) years.

Lumber, composite dimensional

Minimum 90% total recovered materials, at least 25% of which must be PCRC plastic. Lumber may contain fiberglass, wood, or other non-plastic material designed to provide structural strength; however, such material must be recycled and must comprise no more than 50% of the total product.

Lumber, plastic dimensional

Minimum of 90% PCRC plastic material. Must be free of fiberglass or any other non-plastic material. Plastic may be derived from a single resin or from co-mingled plastic materials.

Plastic Bags

Federal

Trash bags

- <https://sftool.gov/greenprocurement/green-products/4/cafeteria-products/1363/plastic-trash-bags/0?addon=False>
- [CPG](#)
 - 10-100% postconsumer plastic

Massachusetts

All bags are made of 100% low-density polyethylene LDPE, contain a minimum of 20% post-consumer recycled content, and are available in a range of colors.

Trash bags, imprinted

- 100% low-density polyethylene (LDPE) plastic.
- 20% PCRC

Trash can liners, bags

- Minimum 10% PCRC
- For HDPE Clear Plastic Liners in the 7-12 gallon range, no recycled content is required, but desired. However, the maximum thickness may not exceed 10 microns

Trash can liners

- All liners should be compliant with [CONEG's Toxics in Packaging Guidelines](#) and [Proposition 65 guidelines](#)
- Liners may not contain any fluorinated grease or water-repellant compounds.
- All liners shall contain a minimum 50% post-consumer recycled content.
- Desirable: it is desirable for the liners to have Forest Stewardship Council (FSC) certification.

Wastebaskets/recycling containers

Must contain 20% PCRC

Minnesota

Can liners and bags

The polyethylene can liners/bags must meet the following ASTM standards:

- ASTM D2103, Standard Specification for Polyethylene Film and Sheeting
- ASTM D1709, Standard Test Methods for Impact Resistance of Plastic Film by the Free- Falling DART Method
- ASTM D1922, Standard Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method
- ASTM D882, Standard Test Method for Tensile Properties of Thin Plastic Sheeting

Recycled Content

- Price Schedule A: Polyethylene bags of 0.7 mil thickness or greater **MAY** contain a minimum of 25% recycled content, of which 10% **MAY** be post-consumer recycle content.
- Price Schedule B: Polyethylene bags of 0.7 mil thickness or greater **MUST** contain a minimum of 25% recycled content, of which 10% **MUST** be post-consumer recycled content.
- Price Schedule B: Polyethylene bags of 0.7 mil thickness or greater **MUST** contain a minimum of 25% recycled content, of which 10% **MAY** be post-consumer recycled content.

New York

Trash bags

<https://ogs.ny.gov/greeny/trash-bags>

Recycling Containers, Bins, Roll-Offs, & Compost Containers

Federal

Office Recycling Containers and Waste Receptacles

- <https://sftool.gov/greenprocurement/green-products/27/building-furnishings/177/office-recycling-containers-waste-receptacles/0?addon=False>
 - [CPG](#) 20-100% postconsumer plastic

Massachusetts

All products are required to contain reused or recycled content.

Compost bins

Mandatory minimum 50% PCRC

Rolling carts, wheeled

Must have a total of at least 30% post-consumer recycled plastic by weight (can be incorporated into the lid, cart body or both as long as the cart body/lid combination is at least 30% post-consumer recycled plastic)

Set-out recycling barrels

Must be manufactured with a minimum of 50% recycled plastic; a minimum of 25% must be post-consumer recycled plastic which is generated from municipal recycling programs, (e.g., milk jugs, detergent containers); a maximum of 25% may be post-industrial plastic generated from commercial or industrial businesses or institutional sources, (e.g., milk crates, bakery trays)

Set-out recycling containers

Must be manufactured with a minimum of 50% recycled plastic; a minimum of 25% must be post-consumer recycled plastic which is generated from municipal recycling programs; a maximum of 25% may be post-industrial plastic generated from commercial or industrial businesses or institutional sources

Storage boxes

10-40% PCRC, desirable

Wastebaskets

All plastic wastebaskets and recycling containers must contain a minimum of 20% post-consumer recycled content.

Traffic Control

Federal

Traffic barricades

- <https://sftool.gov/greenprocurement/green-products/17/traffic-control/256/traffic-barricades/0?addon=False>
- [CPG](#)
 - 100% recovered plastic; including 80-100% postconsumer content

Traffic cones

- <https://sftool.gov/greenprocurement/green-products/17/traffic-control/257/traffic-cones/0?addon=False>
- [CPG](#)
 - 50-100% recovered plastic

Massachusetts

Traffic cones

Minimum 8% PCRC

New York

Traffic cones

<https://ogs.ny.gov/greenny/traffic-safety-products>

Third Party Certifications Verifying Post-Consumer Recycling Content

- [APR certified resins](#)
- [SCS Global Services](#)
- [GreenCircle Certified](#)
- [Intertek](#)
- [UL](#)

ISO has a standard that defines the requirements and definitions that such a certification should meet: [ISO 14021](#).