## 10 Steps to Stop Contamination

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### Introduction: Welcome!

## Why we're here (NCDEACS):

- 10 simple things you can do tomorrow
- To share the tools and resources we have developed at DEACS

#### About me:

- Ecocycle
  - MRF tours
  - Hauling
  - Commercial Sector
  - MRF-shed group
  - Block leaders
- Thrift Stores
  - ▶ 80% of donations
  - Africa Green Fence
- My mom
  - Culture Change

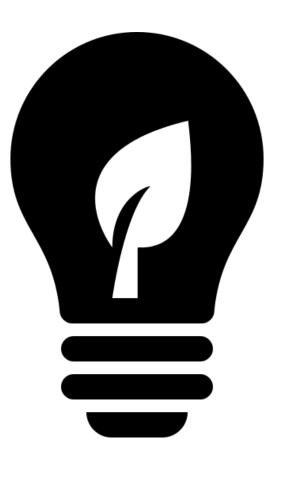


### 1. Statewide Guideline Signage



- Competing and confusing messages
- Location, technology, and markets
- What we <u>can</u> agree upon
- Customizable templates
- 4 categories/containers/typical
- Post above every bin & use in brochures and mailers





# 2. Training & Messaging

Consistent communication across:

- Communities
- ► Employees
- ► Haulers
- ► MRFs
- Local Governments



## "What goes where"

- Train the trainers
- Our own staff (drivers!)
- ► MRF tours
- Workplace
- Community events/at the bin
- Recycling training public events



## DON'T TANGLE OR CONTAMINATE RECYCLE MORE FOR A GREENER STATE



## **TALKING POINTS**

Quick training guide for recycling experts and educators from Material Recovery Facilities, local governments, haulers, schools and other recycling entities to replace common negative recycling messaging with positive alternatives.







#### **SAY THIS INSTEAD:**

Contamination is a reality but data and experience prove that we **CAN** reduce it through consistent, sustained education and improvements in sorting technology. The recycling industry didn't develop with standardization in mind; it was a local grassroots effort in individual communities with unique and varied collection and sorting systems, facilities, technology and support. Education is the way we help encourage best practices and refine the public's sorting skills. **Recycling education works!** 



WHAT NOT TO SAY:

"Don't worry about if you put that item in the recycling. We will sort it out for you. We don't have a hard answer on that item. It constantly changes and is up for debate."



#### **SAY THIS INSTEAD:**

"When in doubt, throw it out **OR** give us a shout!" If you know your no's and your yes's, you really help Joey on the line and make their job easier. You are the first sorters — we **NEED** you to make the right choice.



WHAT NOT TO SAY: "No one wants these jobs."





This is a hard job, so let's take care of our people. North Carolina hosts 16,200 recycling related jobs. We must update our sorting technology and decrease contamination so that the quality of these jobs is improved. So, help the workers by knowing what goes into the recycling bin and what to throw out!







#### **SAY THIS INSTEAD:**

Recycling is very important! There are soon to be nine billion people in the world. Our landfills are filling up! We have the opportunity to enhance domestic recycling markets and keep waste out of landfills and out of international waters. It is our responsibility to create jobs in the United States and reclaim resources like paper, plastic, metal and glass rather than making products and packaging out of virgin materials and burying those discarded resources in a hole in the ground.



**WHAT NOT TO SAY:** "Look for the recycling symbol or the numbers 1-7."

#### WHAT THEY HEAR:

If it has a number on it or the recycling symbol, it is recyclable.



#### SAY THIS INSTEAD:

Numbers don't matter; what we can process does. When it comes to plastic, recycle by shape: bottles, tubs, jugs and jars are recyclable.

**Remember:** Can we process it? Do we have a buyer? Technology and markets determine if something is recyclable. Is the item made out of a material that our machines and people can easily process? If it is small, dirty or atypical, it isn't recyclable.



WHAT THEY HEAR: This is a waste of time, energy and money.

#### SAY THIS INSTEAD:

Markets might be down right now and some materials may not be returning the profits we would like, but recycling is the right thing to do and Americans **LOVE** to recycle! We have spent decades and dollars supporting recycling infrastructure and educating the public. Now, we must stop shipping our recycling overseas and instead help support and grow our domestic markets and local jobs by supplying the clean recyclables they need.



## DON'T TANGLE OR CONTAMINATE RECYCLE MORE FOR A GREENER STATE

## **DEFENDING RECYCLING**

Quick training guide for those defending recycling to elected officials, other governing bodies and the media.



#### WHAT THE ELECTED OFFICIAL MAY SAY:

- "Recycling is broken."
- "Single stream recycling doesn't work."

#### WHAT THE PUBLIC MAY HEAR

"Recycling never worked to begin with and can't be fixed."

**THE FACTS/A BETTER MESSAGE:** Recycling participation and recycling tons skyrocketed when we switched to single stream. We may have had a cleaner stream before, but only a few dedicated citizens were recycling. Single stream without education leads to contamination and wishful recycling. To recycle right, we have to educate and enforce.

#### WHAT THE ELECTED OFFICIAL MAY SAY:

- "We can't charge residents more for this service."
- "No one cares about recycling; people don't want to do it."

#### WHAT THE PUBLIC MAY HEAR

"I thought I wanted to recycle, but now I am not so sure. Maybe recycling is a waste of time, energy and money."

**THE FACTS/A BETTER MESSAGE:** Americans love to recycle and love the convenience of single stream. Your residents demand this service. However, this is more than a service that the public demands. It is our responsibility to reduce waste in the landfill, reduce greenhouse gas emissions, care for our environment, protect public health, support industry, develop domestic markets and in-state jobs, and reclaim resources that would otherwise go to waste.

#### WHAT THE ELECTED OFFICIAL MAY SAY:

"There's no market for recyclables since China isn't an option anymore."

#### WHAT THE PUBLIC MAY HEAR

- "Why were we shipping to China in the first place? That doesn't sound sustainable or environmentally responsible!"
- "Recycling in America is over."

**THE FACTS/A BETTER MESSAGE: we do have markets for recycling in America.** American markets traditionally require increased sorting for a higher quality material. That's a good standard to support! We need to do two things: reduce contamination and develop more domestic markets. We can rebuild recycling the right way. We can enhance local markets that North Carolina has been developing for decades and send even less recycling overseas. When markets recover and commodity prices increase, we will keep more money in our state and waste fewer resources with transport.



#### WHAT THE ELECTED OFFICIAL MAY SAY:

"We don't have to provide recycling for our citizens."

#### WHAT THE PUBLIC MAY HEAR "Recycling isn't mandatory."

THE FACTS/A BETTER MESSAGE: Beginning with Senate Bill 111 in 1989 and in subsequent legislation, the North Carolina General Assembly established disposal bans on a wide range of materials, including plastic bottles and aluminum cans, which make up a large segment of the household recycling mix. As recycling of these items is mandatory, each community should provide a non-landfill option for easy to recycle items such as plastics (bottles, tubs, jugs and jars), metal (all cans), glass (bottles and jars) and paper (paper, cartons and cardboard). The state of NC has grant programs available to every community in North Carolina to help fund recycling programs. The state of NC also provides common recycling guidelines and educational materials for each community to help educate their citizens.

#### WHAT THE ELECTED OFFICIAL MAY SAY:

- "Landfilling is cheaper than recycling; let's just send it there."
- "We shouldn't have to pay to get rid of recyclables."
- "Recycling isn't profitable."

#### WHAT THE PUBLIC MAY HEAR

- "Recycling is really trash, and that's where it will all end up."
- "It doesn't matter where I put recyclables."

THE FACTS/A BETTER MESSAGE: There's always a cost to managing waste, regardless of where you put it. When we don't reclaim a resource through recycling, we are losing the value of that resource while paying to bury it in a landfill. Recycling reduces the need for harvesting virgin materials and keeps toxic materials out of the landfill. Recycling is a commodity, not garbage. Commodities fluctuate in value. Relying on recycling revenues to cover the program's full cost is risky and unsustainable. Historically, markets recover. We shouldn't abandon the infrastructure we have spent decades developing just because markets are down. That would be a tremendous loss of time, energy and money.

#### WHAT THE ELECTED OFFICIAL MAY SAY:

"I don't have the budget to keep this program."

WHAT THE PUBLIC MAY HEAR "My fees are going up.

THE FACTS/A BETTER MESSAGE: The only utility we don't expect to pay for is recycling. It's time to restructure the way we fund recycling programs. Budgets should cover the full cost of collection and processing. When markets are good, rebates can be passed back to the local government to further enhance the program.



#### WHAT THE ELECTED OFFICIAL MAY SAY:

- "Contamination is inevitable. You can't decrease it."
- "Education and outreach doesn't work."

#### WHAT THE PUBLIC MAY HEAR

- "The public doesn't know how to recycle."
- "Why am I doing this if others are messing it up?"



• "We will never learn how to do this right!"

**THE FACTS/A BETTER MESSAGE:** Education works. Education helps reduce recycling contamination. Data shows that contamination can drop significantly with just an eight week curbside outreach campaign. **Domestic markets + educating the public + single stream + enforcement = awesome results!** Using only one outreach technique just once is not an education strategy and will likely fail. Instead, be consistent, comprehensive and constant with your recycling education and outreach efforts. Investing in ongoing anti-contamination education programs will reduce the cost of contamination.





## Simple Messaging

- No bags
- Keep it clean
- No disposables
- Little things
- Wishful recycling
- Personal stories, context, positivity, consistency



3. Standardized and Consistent Bin Set Up

► Twin the bin

- Color code
- Consistent signage
- Stationary





## 4. OOPS! Tags





## Encouraging





### Feedback





Silical

#### **6** North Chavis Road Site 252-431-1630 251 N Chavis Road Kittrell, NC 27544

Prewry Site 878 Manson-Drewry Road 252-456-5263 Manson, NC 27553

Brodie Road Site 252-438-4017 900 Brodie Road Henderson, NC 27536

#### **Transfer Station and** Yard Waste/Recycling Facility

Mon-Fri: 8 a.m. - 4:30 p.m. 3181 NC 39 Hwy. N. Henderson, NC 27537 Sat: 8 a.m. - 12 p.m. The Transfer Station accepts residential, commercial and industrial waste. The Yard Waste/Recycling Facility accepts the following: tires, yard waste and pesticide containers.

NEWS

Used motor oil and filters, car batteries

and anti-freeze



RECYCLEMORENC.ORG



A GUIDE FOR USING YOUR COUNTY'S SOLID WASTE

AND RECYCLING CONVENIENCE SITES

Your county's contact information here

## 5. Brochures

- City or County
- Schedule of curbside pick up
- Drop off site locations
- Customizable templates



#### **RECYCLING AT HOME IS EASY!**

Designed for residents of (city), this easy reference guide on the city's public services tells how to properly prepare your recyclables and yard waste to ensure efficient curbside collection. Never miss another collection day!

#### Trash pick-up is every Monday.

#### **Recycling pick-up is every other Monday.**

Yard waste is picked up on the second and last Tuesday of each month.

Please be sure to put your trash and recycling containers out the night before collection day.



This brochure was made by the N.C. Division of Environmental Assistance and Customer Service (DEACS). For more information about recycling, call : 1-877-623-6748 or visit: recyclenc.org.







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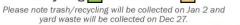
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**DON'T TANGLE OR CONTAMINATE!** FOR A GREENER STATE



A GUIDE FOR USING YOUR COUNTY'S SOLID WASTE AND RECYCLING CONVENIENCE SITES

Your county's contact information here



#### **DON'T CONTAMINATE OR TANGLE RECYCLE SMART IN THE TRIANGLE**

Don't trash recycling - it's expensive! Unwanted materials can ruin a collection of recyclables or shut down the recycling equipment. By following these tips to improve the value of recycling, you help secure the 17,000 recycling jobs currently in North Carolina and decrease our state's environmental costs!



#### **CLEAN, DRY & EMPTY**

Foods, liquids, and trash can soil the good stuff. Dispose food waste in your compost or trash bin. Don't recycle contrainers with food and liquid in them.

#### **NO TANGLERS**

Electrical cords, hoses, wire hangers, holiday lights or similar stringy items tangle up the recycling equipment.



#### **NO PLASTIC BAGS**

Don't bag your recyclables - keep them loose and free! Return clean, dry plastic bags, wraps and packaging to your local retailer or grocery store.

CONTACT YOUR LOCAL PROGRAM FOR MORE ON RECYCLING RIGHT! Chatham County • chathamnc.org/recycle Orange County • orangecountync.gov/recycling

City of Raleigh • raleighnc.gov/recycling Sonoco • sonoco.com Durham County • dconc.gov/recycling

City of Durham • durhamnc.gov/recycling Wake County • wakegov.com/recycling

### 6. Ads



### Example: Customizable Bus Advertisement

Increase recycling's value and decrease environmental costs, by keeping these contaminators

### TRASH RECYCLING. IT'S EXPENSIVE!

DON'T



#### LAST YEAR contamination in recycling cost Triangle communities almost

ONE MILLION DOLLARS

in lost processing time and disposal costs for non-recyclables.



#### **NO PLASTIC BAGS**

Plastic bags tangle and bagged recyclables tangle up and shut down processing equipment. Take bags back to the grocery store for recycling.

#### CLEAN, DRY & EMPTY

Food, liquids and trash CAN ruin the good stuff. drain liquids and don't recycle containers with food left in them.

#### NO TANGLERS

Cords, hoses and stringy things cause problems with the recycling machines and can lead to costly shutdowns of recycling processing.

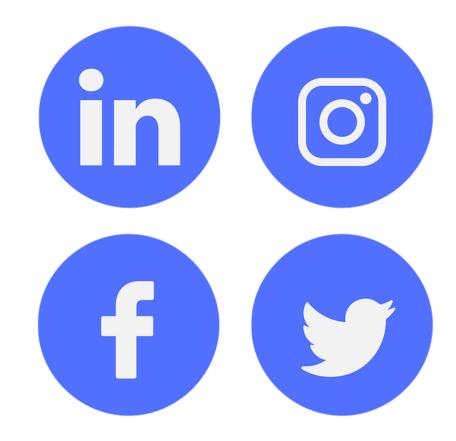


## 7. Direct Mailers

PLASTIC	METAL	GLASS	PAPER
Bottles, tubs, jugs and jars	All Cans	Bottles and jars	All paper, cartons and cardboard
Empty and rinse	Empty and rinse	Empty and rinse	Flatten cardboard
	KEEP THESE OUT	!!	S You
© Ceramic/drinking glasses © © Clothing © © Disposable cups ©	Delectronics       O Plastic b.         Defection Food/liquids       O Scrap medical b.         Defection Food boxes       O Shredde         Defection Food boxes       O Shredde         Defection Food boxes       O Shredde         Defection Food boxes       O Styrofoa         Defection Food boxes       O Styrofoa         Defection Food boxes       O Styrofoa         Defection Food boxes       O Tanglers	etal/wood d paper	RECYCLABILES



## 8. Social Media Tool Kit





#### https://deq.nc.gov/conservation/recycling/general-recycling-information/social-media-toolkit



The N.C. Division of Environmental Assistance and Customer Service (DEACS) has developed a set of community outreach tools – Curbside Recycling Basics – designed to increase recycling and reduce contamination. The social media posts below coordinate with the Curbside Recycling Basics graphics and information materials designed for use by local recycling programs and private recycling collectors.

#### Together, we can recycle more, better. #RECYCLEMORENC

CONTAMINANT	FACEBOOK TEXT	TWITTER TEXT
<image/> <complex-block><complex-block><complex-block><complex-block><complex-block><complex-block><complex-block><complex-block><complex-block><table-row><table-row><complex-block></complex-block></table-row></table-row></complex-block></complex-block></complex-block></complex-block></complex-block></complex-block></complex-block></complex-block></complex-block>	Help reduce contamination in our recycling stream! Contamination in recycling leads to increased charges, reduction in items being recycled at the Material Recovery Facility (MRF) and contaminated items going directly to the landfill. Your hard work collecting and recycling items will go to waste if the recycling is contaminated. Recycling right is a win-win!	Contamination in recycling leads to increased charges, reduction in items recycled at the Material Recovery Facility (MRF) and contaminated items going directly to the landfill. Your hard work will be wasted if the recycling is contaminated!
KNOW YOUR NO'S KNOW YOUR NO'S BAGGED RECYCLABLES	Keep recyclables loose and free! Bagging recyclables means they will never see the light of day. They will be sorted as waste and go directly to the landfill. Always recycle items loose and free – whether in your curbside cart or at your local recycling convenience center.	Keep recyclables loose and free! Bagged recyclables will be sorted as waste and go directly to the landfill. Always recycle items loose and free – curbside and at the convenience center!
	Plastic bags, films and flexible packaging tangle up the recycling equipment! Take clean, dry plastic bags, film (plastic covering over newly purchased items) and flexible packaging (bubble wrap, air pillows, etc.) back to your local grocery store. For more information and to find recycling locations, visit: <u>www.plasticfilmrecycling.org</u> . That's a WRAP!	Plastic bags, films and packaging tangle up the recycling equipment! Take clean, dry plastic bags and film back to the store. Find a recycling location at: www.plasticfilmrecycling.org.

CONTAMINANT	FACEBOOK TEXT	TWITTER TEXT
KNOW YOUR NO'S KNOW YOUR NO'S CONTRACTOR NO TANGLERS Law the the tractor	Don't get tangled up in recycling the wrong things! Tanglers such as holiday lights, hoses and cords could get wrapped around the recycling equipment. Tanglers not only contaminate the recycling stream, they also damage expensive equipment and cause safety hazards for the processing center employees. Check with your local recycling office to see if they recycle these items separately.	Don't get tangled up in recycling the wrong things! Tanglers such as holiday lights, hoses and cords get wrapped around the equipment. They go in the trash. Tanglers contaminate recycling, damage equipment and are a safety hazard for recycling employees.
	Always properly dispose of hazardous and medical waste – NEVER in your recycling. Call 877-623-6748 for hazardous waste drop-off locations. Medical waste, especially sharps, poses a threat to the health and safety of the people collecting and sorting the recyclables. For more information on how to properly dispose of sharps, visit: www.safeneedledisposal.org.	Hazardous and medical waste are not recyclable! Call 877-623-6748 for hazardous waste drop-off locations. For more information on proper sharps disposal, visit: <u>www.safeneedledisposal.org</u> .
KNOW YOUR NO'S BUILD AND AND AND AND AND AND AND AND AND AN	Cookware, hangers and wires (mixed metals) do not belong in your curbside recycling! Some local governments recycle scrap metals separately. These materials should be placed in their own specific container at the recycling convenience center. Ask your local recycling office about proper recycling of scrap metals.	Cookware, hangers and wires (mixed metals) do not belong in your curbside recycling! Some local governments provide a bin for scrap metals at the recycling convenience center. Ask your local recycling office about how to recycle scrap metals.
KNOW YOUR NO'S AN AND AND AND AND AND AND AND AND AND A	Yuck! Don't let leftovers or food waste ruin your recycling. Food waste contaminates items in the recycling bin. Wipe or scrape out food containers and empty all bottle/cans of liquids before placing them in the recycling bin. Food scraps should be composted or put in the trash.	Yuck! Don't let food waste contaminate your recycling! Wipe out food containers and empty out bottles/cans before placing them in the recycling bin. Compost food scraps or put them in the trash.
	Donate gently used clothing or textiles to a local thrift store or organization. Check with your local recycling office for donation or alternative textile recycling options.	Donate gently used clothing or textiles to a local thrift store or organization. Check with your local recycling office for donation or alternative textile recycling options.



#### https://recyclingpartnership.org/social-2018/



FOR COMMUNITIES FUNDING PARTNERS INFO HUB ABOUT CONTACT







The Recycling Partnership presents

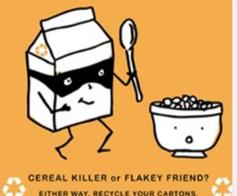
### Grab & Go Recycling Matters Social Media Kit

Posts & Pointers For Your Program Volume 2









That moment when you see recyclables in the trash at



### **KNOW YOUR NO'S**

**DON'T TANGLE OR CONTAMINATE, RECYCLE MORE FOR OUR STATE!** 





TANGLERS Hoses, cords, holiday lights, etc. tangle up the recycling equipment.

**PLASTIC FILM** Return clean, dry plastic bags, wraps and packaging to your local retailer.



HAZARDOUS AND MEDICAL WASTE

Call 877-623-6748 for hazardous waste drop-off locations. Call your local public health department for medical disposal information.



**FOOD WASTE** Dispose of food waste in your compost or trash bin.

TEXTILES Donate clothing and textiles to a convenience center or thift store.

SCRAP METAL

Take mixed metals and wires to your

local recycling convenience center.

#### MOST IMPORTANTLY, DO NOT BAG YOUR RECYCLABLES!

Bagged recyclables are the number one contaminant and cause of tangling the recycling equipment. Keep your recyclables loose and free!

The NLC. Division of Environmental Assistance and Customer Service (DEACS) is a non-regulatory division of NLC. DEQ offering technical and financial assistance to businesses, manufacturers, local governments, institutions, economic developers and citizens in environmental management. For questions, call: 1-877-623-6748.



- Know Your No's
- Reduce Single Use
- Office guidelines
- Get Cart Smart
- Ideas





#### RECYCLING **IN THE OFFICE**

Be sure to empty out food and drink containers!

Plastic food and beverage tubs, jugs and bottles (Keep lids and caps screwed on.)





Paper towel rolls, paper bags and flattened cardboard



Food boxes and beverage cartons

#### **NOT ACCEPTED** Pizza boxes

- Aluminum foil or trays Broken glass Chip/snack bags • Dishes or cookware • Disposable plates or cutlery • Styrofoam Electronics\*\* • Food waste or liquids\*\* Hardcover books Hazardous waste Light bulbs Napkins or paper towels
  - Straws Tanglers (cords, hoses, wires, etc., Trash
    - \* Take clean and dry plastic bags and film back to the grocery or retail store to recycle separately. \*\* Check your floor's breakroom if there are electronic
    - recycling bins or compost caddies.

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Food and beverage glass bottles and jars (Put lids and caps in the trash.)



Food and beverage cans

Plastic bags and wrap\*

Shredded paper





#### **NON-CURBSIDE** RECYCLABLES

While these items are NOT accepted in your curbside recycling, there are alternative ways to keep them out of the landfill. Call your local recycling convenience center to find out if they accept these items and more!



Plastic bags and wrap: Clothing: Return clean, dry plastic Bring clothing and textiles bags, wraps and packaging to the convenience center to your local retailer. or thift store.



Dispose of food waste in

vour compost or trash bin.

OUTHWAS

Personal care

bottles



Take appliances to the

convenience center.



Scrap metal:

Take scrap metal

and wire to the

convenience center.



Electronics: Take computers, televisions, and other electronics to the convenience center.

#### **OVERLOOKED** RECYCLABLES

The following items are commonly overlooked when it comes to recycling at home. Get cart smart - put





Food and beverage cartons





Paper towel/

Clean pizza boxes and flattened cardboard boxes



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them in your recycling bin!







index cards and magazines





# 10. *Believe* that education works & that it's worth it



- Better sorting technology & adjustments at MRFs
- Consistent, sustained education and outreach
- Consequences/collection correction
- Collaboration: message from all angles and through all mediums



## "So, what's this going to cost?"

Cost	What we're providing	What you can do for free
1. Printing costs of materials (~\$1 per person in your community, on average)	<ul> <li>Grant money!!!</li> <li>Ready-made PDFs for ads, guideline signage, other educational posters, customizable materials, etc.</li> <li>Development of new outreach tools/materials/displays, etc.</li> </ul>	Social media posts
2. Staff time - dedicate some personnel to execute the strategy	<ul> <li>Assistance for trainings</li> <li>Help with outreach strategy</li> <li>A graphic designer and communications staff member who can help you</li> </ul>	<ul> <li>Train your community to recycle properly (events, MRF tours, etc.)</li> <li>Set up proper bin systems</li> </ul>



https://deq.nc.gov/conservation/recycling

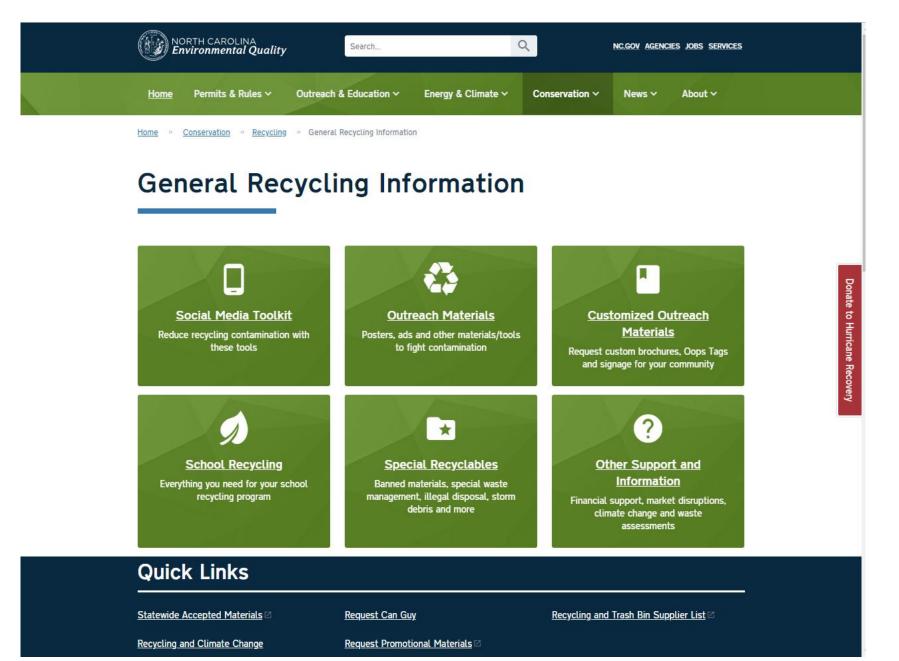
#### Recycling



NCDEQ Recycling Website



#### https://deq.nc.gov/conservation/recycling/general-recycling-information



NORTH CAROLINA Department of Environmental Quality https://deq.nc.gov/conservation/recycling/general-recycling-information/outreach-materials

#### **Outreach Materials**

#### Free Outreach Materials

The Division of Environmental Assistance and Customer Service (DEACS) has developed recycling outreach materials. Local governments, recycling haulers and other North Carolina organizations are encouraged to use and share these resources to help educate the public and fight contamination. Visit the <u>Customized Outreach Materials</u> page to view additional materials that the DEACS staff can assist in tailoring to fit your community's recycling program.



General State-wide Accepted Recyclable Materials PDF



Reduce Your Single Use PDF

#### General Recycling Information

Social Media Toolkit

**Outreach Materials** 

**Customized Outreach Materials** 

School Recycling

Special Recyclables

Other Support and Information



https://deq.nc.gov/conservation/recycling/general-recycling-information/customized-outreach-materials

#### Customized Outreach Materials

#### **Customized Outreach Materials**

The Division of Environmental Assistance and Customer Service (DEACS) has developed a suite of recycling outreach materials. DEACS staff can assist in tailoring outreach materials to fit your community's recycling program or adding local contact information. Contact <u>Mel Gilles</u> at (919) 707-8127 for assistance.

#### Click on the images below to download.





#### General Recycling Information

#### Social Media Toolkit

**Outreach Materials** 

Customized Outreach Materials

School Recycling

Special Recyclables

Other Support and Information



## What's Next?

