

# NORTH CAROLINA PUBLIC COMMUNITY COLLEGE & UNIVERSITY ANNUAL RECYCLING REPORT

JULY 1, 2015 – JUNE 30, 2016

North Carolina Department of Environmental Quality  
Division of Environmental Assistance and Customer Service  
1639 Mail Service Center  
Raleigh, N.C. 27699-1639

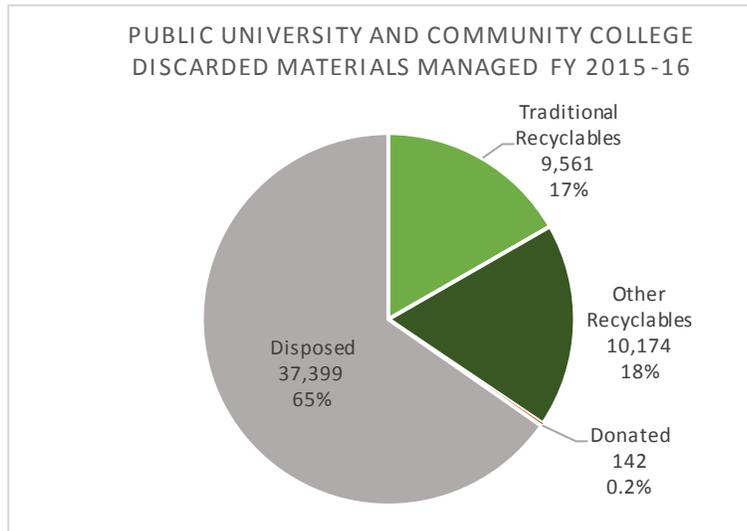
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*Environmental Assistance  
and Customer Service*  
ENVIRONMENTAL QUALITY

## EXECUTIVE SUMMARY

This report presents a summary of data on recycling programs at public universities and community colleges in North Carolina for fiscal year (FY) 2015-16. Sixty public universities and community colleges completed a report from the N.C. Division of Environmental Assistance and Customer Service (DEACS) about their recycling and solid waste management activities. The information from submitted reports shows that the institutions managed a total of 57,275 tons of discarded material during the course of the year, of which 19,877 tons (35 percent) was recycled or diverted from disposal and 37,399 tons (65 percent) was disposed in landfills.



Materials recycled during FY 2015-16 were split closely between traditional recyclables (cans, bottles and paper) and other recyclables, which include materials such as automotive fluids, food waste, yard and wood waste, electronics, and construction and demolition debris.

Universities and community colleges are also making progress in diverting materials from the landfill through source reduction and reuse. Twenty-two schools reported donating a total of 142 tons of edible food and reusable goods during the course of the year, which represents 0.2 percent of the total materials managed.

Every reporting school has a program in place to collect traditional recyclables in accordance with N.C. General Statute 130A-309.14<sup>1</sup>. However, all schools have the opportunity to expand and improve these programs. The following best management practices have been adopted by some universities and community colleges to improve the quality of material collected, increase participation and streamline operations:

- Half of all reporting schools (30) collect traditional recyclables in a single-stream system (single recycling bin for cans, bottles, and paper), which yields increased participation rates and allows for more efficient collection.
- Fifty-four schools collect traditional recyclables from public spaces around campus (areas outside of classroom and office buildings).
- Sixteen schools have successfully paired all trash and recycling bins together on campus, or “twinning the bin.”
- Thirteen schools have conducted solid waste assessments to analyze the composition of disposed waste and better understand where additional diversion can be achieved.

Many respondents reported active and evolving waste reduction and recycling efforts while others continue to operate static programs that are seldom evaluated or expanded. All agencies are encouraged to continually monitor their programs to understand their waste stream and determine how it can best be managed. This often requires ongoing conversations with haulers or processors to obtain data, but the extra effort will help schools make informed program decisions, quantify program costs and savings and measure progress over time.

<sup>1</sup> N.C. General Statute 130A-309.14 requires each state agency to establish a program to collect and recycle aluminum, newspaper, office paper, glass, and plastic bottles.

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## INTRODUCTION

State agencies are required by N.C. General Statute 130A-309.14 to recycle office paper, newspaper, aluminum cans, glass, and plastic bottles. State agencies are also required to recycle fluorescent bulbs and must comply with statewide landfill bans which prohibit the disposal of the following materials in landfills: used oil and oil filters, antifreeze, yard trash, wooden pallets, tires, lead acid batteries, plastic bottles, aluminum cans, televisions and computer equipment.

The N.C. Division of Environmental Assistance and Customer Service (DEACS) did not conduct an annual state agency recycling report for fiscal year (FY) 2013-14 but resumed the annual report process for public community colleges and universities beginning in FY 2014-15. Sixty agencies reported data in FY 2015-16, which constitutes 80 percent of public collegiate entities.

Overall results are provided in the following sections, and individual agency responses are provided in Appendix 1.

A list of reporting agencies is included below. DEACS would like to thank these agencies for completing and submitting the annual recycling report. While the reporting process is voluntary, DEACS believes that it is worthwhile for all schools to collect data and track progress on their solid waste programs, costs, and diversion efforts.

### FY 2015-16 REPORTING COMMUNITY COLLEGES AND UNIVERSITIES

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Alamance Community College	Gaston College	Sandhills Community College
Appalachian State University	Guilford Technical Community College	South Piedmont Community College
Asheville-Buncombe Tech Community College	Halifax Community College	Southeastern Community College
Beaufort County Community College	Haywood Community College	Southwestern Community College
Bladen Community College	James Sprunt Community College	Stanly Community College
Blue Ridge Community College	Lenoir Community College	Surry Community College
Brunswick Community College	Mayland Community College	Tri-County Community College
Caldwell Community College & Tech Institute	Mitchell Community College	UNC-Asheville
Carteret Community College	Montgomery Community College	UNC-Chapel Hill
Catawba Valley Community College	Nash Community College	UNC-Charlotte
Central Carolina Community College	N.C. A&T State University	UNC-Greensboro
Central Piedmont Community College	N.C. School of Science & Mathematics	UNC-Pembroke
College of the Albemarle	N.C. State University	UNC-School of the Arts
Craven Community College	Piedmont Community College	UNC-Wilmington
Davidson Community College	Pitt Community College	Wake Tech Community College
Durham Technical Community College	Randolph Community College	Wayne Community College
East Carolina University	Richmond Community College	Western Carolina University
Fayetteville State University	Rockingham Community College	Western Piedmont Community College
Fayetteville Tech Community College	Rowan-Cabarrus Community College	Wilson Community College
Forsyth Technical Community College	Sampson Community College	Winston-Salem State University

### FY 2015-16 NON-REPORTING COMMUNITY COLLEGES AND UNIVERSITIES

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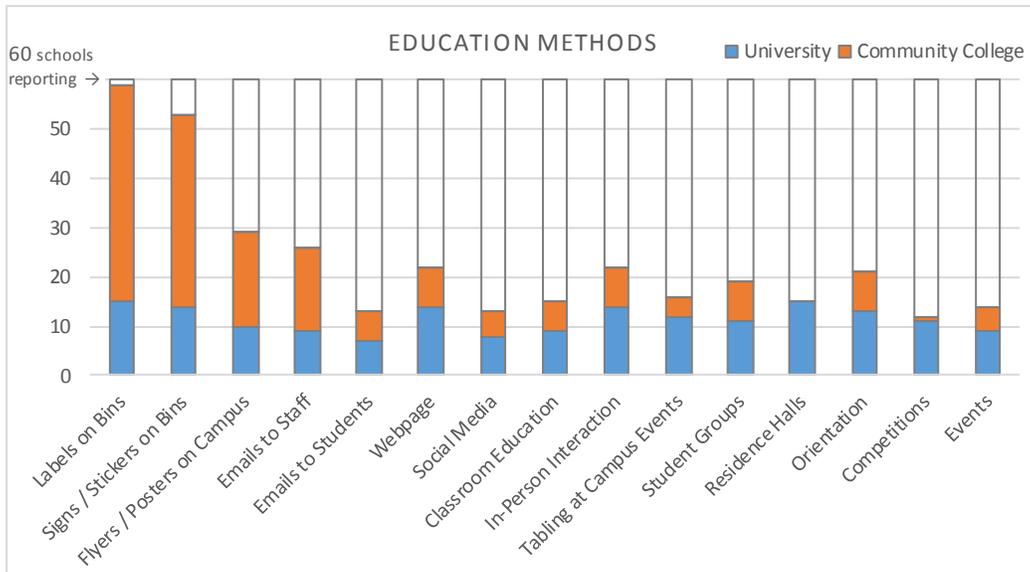
Cape Fear Community College	Isothermal Community College	Pamlico Community College
Cleveland Community College	Johnston Community College	Roanoke-Chowan Community College
Coastal Carolina Community College	Martin Community College	Robeson Community College
Edgecombe Community College	McDowell Technical Community College	Vance-Granville Community College
Elizabeth City State University	N.C. Central University	Wilkes Community College

# 1 - EDUCATION & OUTREACH

## 1.1 - EDUCATION METHODS

*Report Question: Please identify all methods your agency uses to educate and promote waste diversion and recycling.*

Effective communication about recycling to students, faculty, staff and the visiting public is essential to ensure the success of a recycling program. Making efforts to continually educate the primary users can help boost recycling participation, reduce contamination and instill behavioral habits to carry forward even after faculty, staff and students leave campus. The graphs below show the number of colleges and universities that reported using the listed types of education methods.



The most commonly used education method is providing information directly on or at the recycling bin. All reporting universities and community colleges indicated using some type of education at the bin, either by labeling bins or placing signs/stickers on or around bins. The photos below show signage on recycling bins, clearly indicating what belongs in each. Durham Technical Community College (left) and Western Carolina University (right) both have dual-stream recycling collections and have made sure to pair the recycling bins with a trash can, or “twin the bin” as a best management practice, discussed further in Section 2.2.

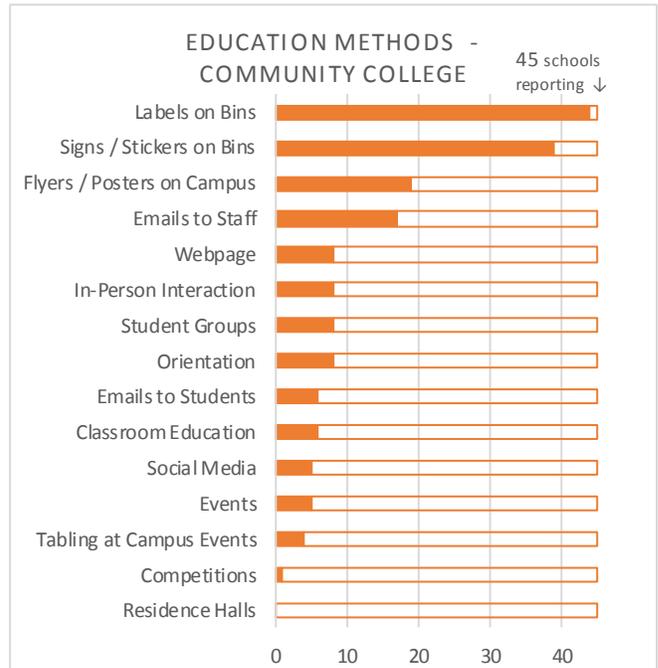
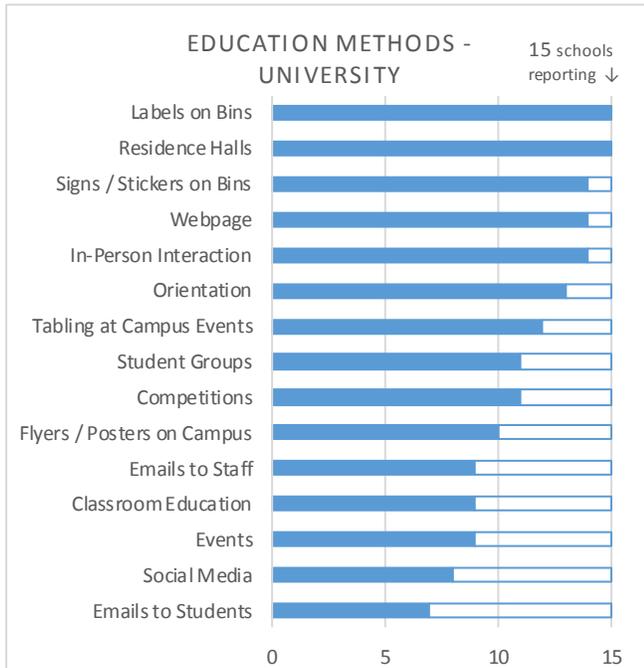


Beyond education at the bin, schools can use a number of other education methods, most of which are low-cost or no-cost strategies. Universities use an average of nine additional methods to educate staff and students about recycling programs. All reporting universities educate in residence halls, and most also educate during orientation, through in-person interactions, and have a dedicated recycling webpage. Appalachian State University, UNC-Pembroke, and Western Carolina University reported using all 15 education methods listed.

# 1 - EDUCATION & OUTREACH

Community colleges use an average of two outreach methods in addition to education at the bin. The most common methods are flyers or posters around campus and email newsletters to staff. Central Piedmont, Halifax and Wilson Community Colleges have active educational programs, each reporting 10 or more education methods used on campus.

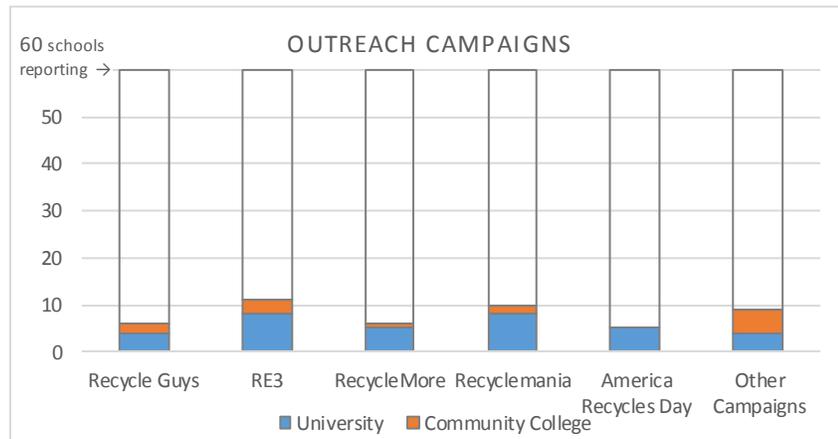
Individual agency responses to each report question are provided in Appendix 1.



Beyond educating the users of the recycling program, education for the staff that transport, consolidate, and manage recyclables on campus is also important. In many cases, recyclables are managed by different departments depending on the location of the bins. Custodial staff may service indoor bins, landscaping or grounds staff may service outdoor bins, housing may service dormitory bins, and the food services staff may service dining facility bins. Continued and consistent training and frequent communication is necessary to achieve an efficient and effective diversion program.

## 1.2 - OUTREACH CAMPAIGNS

*Report Question: Do you use any of the following outreach campaign materials? Materials include logos, stickers, commercials, posters, t-shirts, key chains, handouts.*



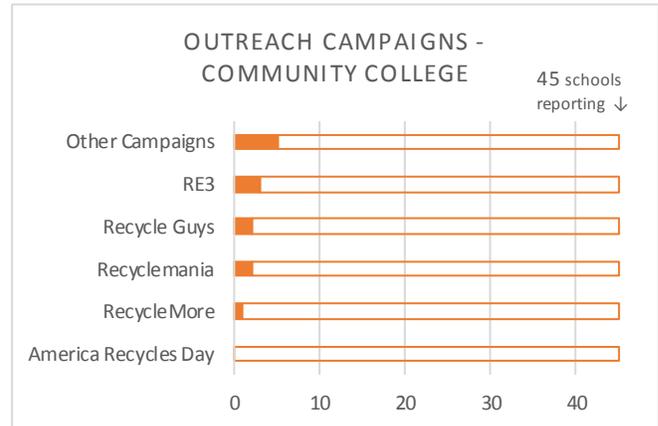
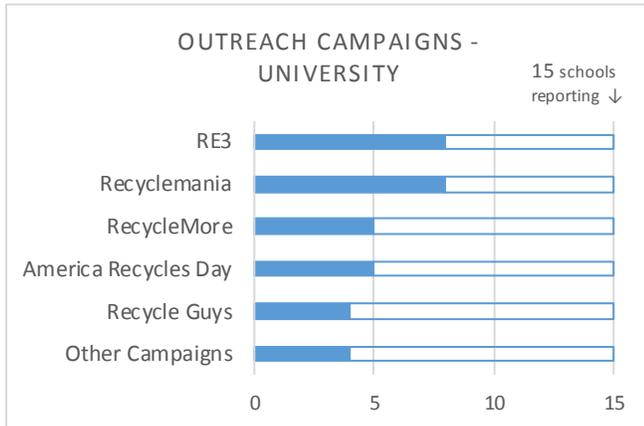
Schools may also take advantage of recycling outreach campaigns that offer free promotional items or information. Recycle Guys, RE3 and RecycleMore are statewide social marketing campaigns offered by DEACS.

Recyclemania is an eight-week national competition held each spring to encourage colleges and universities to benchmark and improve efforts to reduce or eliminate waste.

## 1 - EDUCATION & OUTREACH

America Recycles Day, celebrated each year on November 15<sup>th</sup>, is a national initiative of Keep America Beautiful to promote and celebrate recycling. Keep America Beautiful offers promotional materials and guidance for event planning and education to all types of public and private organizations, including schools.

Thirteen universities and 13 community colleges use at least one outreach campaign to promote recycling on campus. As shown in the graphs below, the RE3 campaign and the annual Recyclemania competition are most popular with universities while community colleges use “Other Campaigns,” which include school-specific logos, hand-made signs and posters, and promotional materials from private vendors.



DEACS maintains a website for each of the three social marketing outreach campaigns: [Recycle Guys](#), [RE3](#) and [RecycleMore](#). RecycleMore is North Carolina’s newest outreach campaign and was developed in 2010. While it is the least used N.C. campaign, the RecycleMore website includes a number of free resources available for use:

- Signs and posters available for free download and printing at: <http://www.recyclemorenc.org/artwork.html>
- Best practices for recycling in public spaces at: <http://www.recyclemorenc.org/onthego.html>
- Free promotion items such as stickers, keychains and posters that can be ordered using the Material Request Form at: <http://www.recyclemorenc.org/coordinators.html>



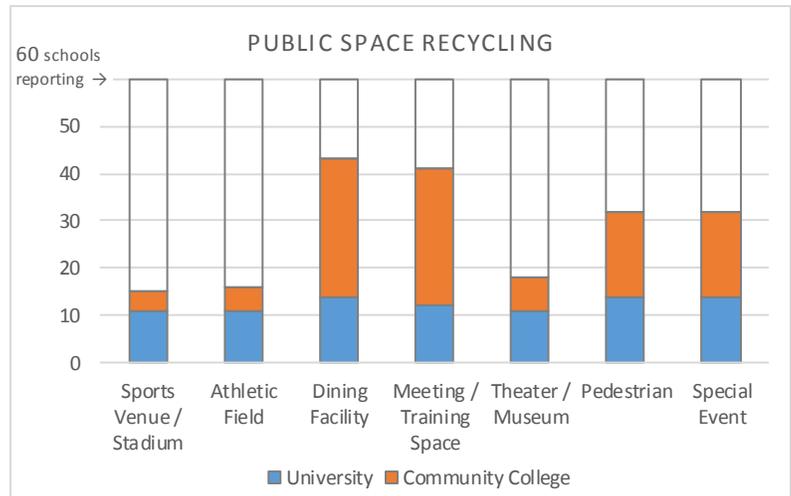
Example sign from RecycleMore website

## 2 - TRADITIONAL RECYCLING (cans, bottles, paper)

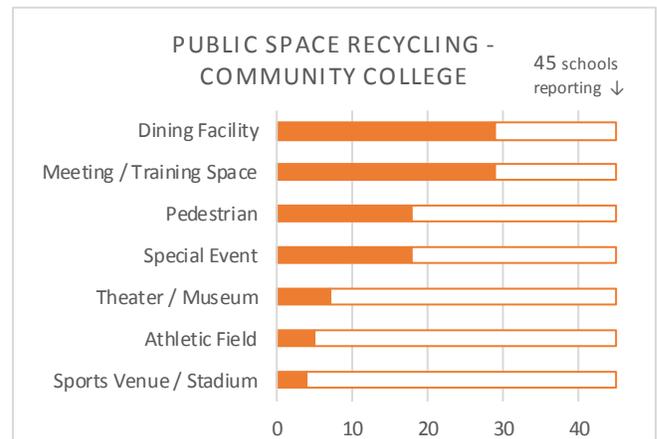
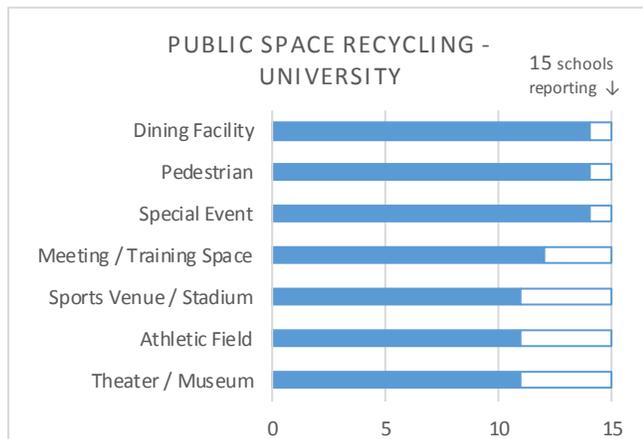
### 2.1 - PUBLIC SPACE RECYCLING

*Report Question: Please identify all public space recycling programs operated by your agency.*

Colleges and universities have expansive spaces to manage beyond academic and office buildings. Trash cans are often available across campus, but recycling is sometimes an afterthought and not made accessible. Schools are encouraged to provide universal recycling services so that students, faculty, staff and members of the public always have the opportunity to recycle no matter where they are on campus. As discussed in the next section, a recycling bin should ideally be placed at every location where a trash can is present. This provides consistency across campus, makes recycling convenient and promotes the message that recycling is important.



All fifteen universities and 39 community colleges offer recycling in at least one of the public spaces listed. As shown in the graphs below, the most common public space recycling infrastructure at universities is in dining facilities, along pedestrian areas (e.g., bins along sidewalks, in parking lots, between buildings), and at special events. Recycling bins are most common at community colleges in dining facilities and meeting/training spaces. Some of the categories such as museums/theaters and athletic/sporting venues are not applicable to many community college campuses.



Transportable event containers for trash, recycling and compost (if applicable) are a good solution for diverting waste from events and meetings on campus. Many schools utilize these types of containers to hold zero waste events. Universities such as East Carolina, N.C. State, UNC-Chapel Hill, UNC-Charlotte, and Appalachian State (as shown in the photo) are piloting and expanding programs to recycle and in some cases compost at sporting events. Outside of major sporting events, all schools with athletic fields or venues could consider providing recycling receptacles to divert the plastic water and sports drink bottles that are generated.

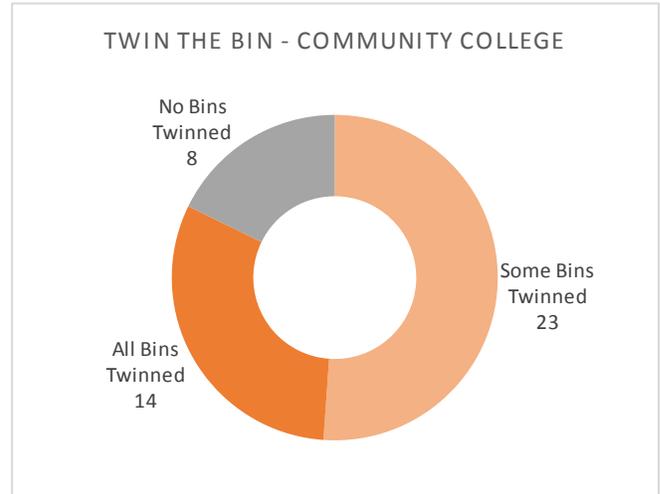
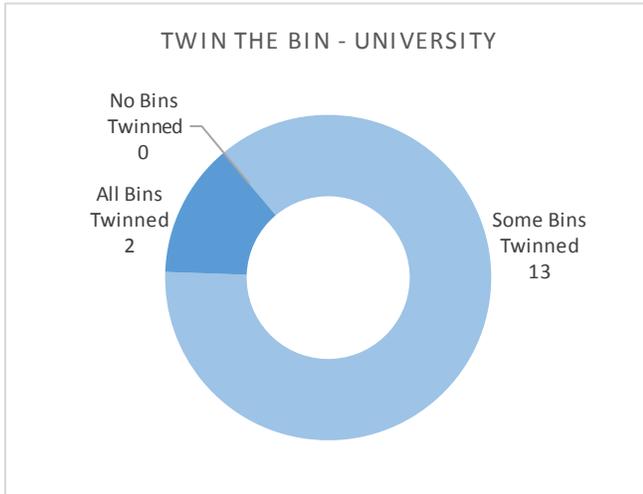


## 2 - TRADITIONAL RECYCLING (CANS, BOTTLES, PAPER)

### 2.2 - TWINNED BINS

*Report Question: Are recycling and trash bins twinned (paired together) on campus?*

Placing trash and recycling bins together, or “twinning the bin,” is a best management practice that helps increase recycling rates and reduce contamination. Twinning the bin at every location provides a convenient option to recycle and provides a message that recycling is a priority. Ideally the two bins will be as close together as feasible (touching if possible) so that no extra effort is needed to find or access one bin vs the other.



Two universities and 14 community colleges reported that all recycling and trash bins are twinned on campus. Most reporting agencies (13 universities and 23 community colleges) indicated that some bins are twinned, but not all.

One way to twin bins if budgets are tight is to “de-trash” certain areas of campus, reducing the number of trash cans and converting some of them to recycling. Converting a trash bin to recycling can be done in a number of ways. One of the most effective ways to differentiate is to add a restrictive lid that is labeled and has an opening that is only large enough for a bottle/can to be deposited. Other options include differentiating by color of bins or lids and adding labels and signs. The photo on the left below shows how Appalachian State University converted some of their existing trash bins to recycling by painting, labeling as “Mixed Recycling” and adding a cover to help keep rainwater out. The middle photo shows twinned bins at Forsyth Technical Community College and the right photo is from Guilford Technical Community College.

If it is simply not feasible to “twin” every bin on campus, schools are strongly advised against placing a recycling bin by itself as it will likely be used as a trash bin.



## 2 - TRADITIONAL RECYCLING (CANS, BOTTLES, PAPER)

### 2.3 - RECYCLING COLLECTION STYLE

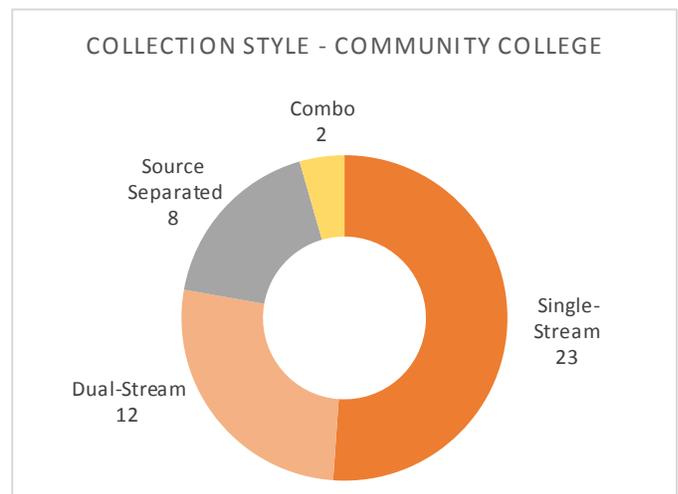
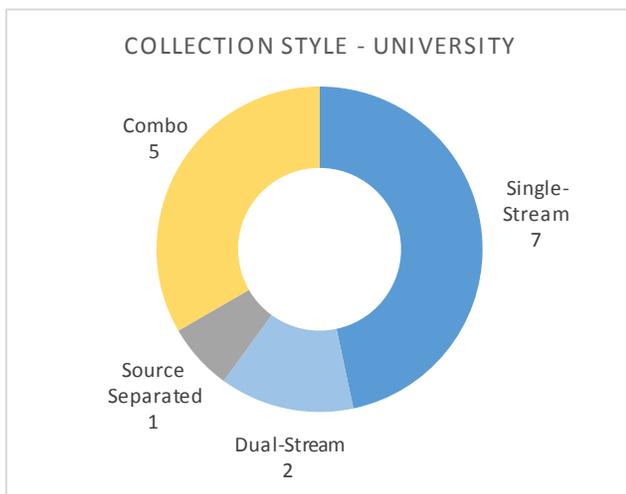
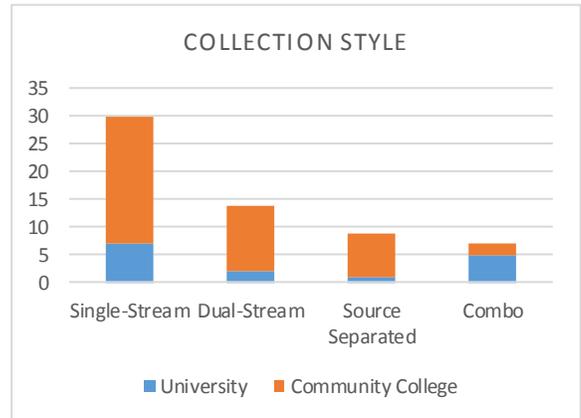
*Report Questions: How do you collect your traditional recyclables (plastic bottles, aluminum cans, steel cans, glass, paper and cardboard)?*

*Who collected and transported the traditional recyclables from campus?*

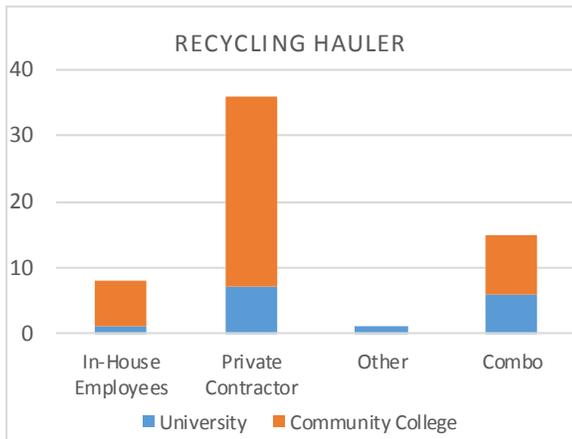
A single-stream system (single recycling bin for cans, bottles and paper) is the most common collection style for university and community college sectors. Seven universities and 23 community colleges collect recyclables in a single-stream system across campus. This represents half of all reporting schools and includes an increase of three new single-stream community college programs compared to last year's report. These programs have been growing across the state thanks to wider access to Material Recovery Facilities (MRFs) that are able to process mixed materials.

Single-stream programs typically have the highest participation rate due to the convenience and the simplicity of the program. Schools that do not currently collect recyclables in a single-stream system may want to investigate the possibility of switching. Not only does it boost participation, but it also makes collection more efficient for internal or contracted staff (grounds, housekeeping, facilities) and requires fewer containers and less space. The DEACS website provides a map of MRFs that accept mixed recyclables at <https://deg.nc.gov/conservation/recycling/material-recovery-facilities> and can assist in the implementation of a single-stream program.

One university and eight community colleges still utilize a source-separated system and collect recyclables in separate containers. Two universities and 12 community colleges utilize a dual-stream system (two recycling bins: one for paper and another for bottles and cans). Finally, five universities and two community colleges have a combination of collection styles in different areas/sectors of campus. For example, they may collect dual-stream in classrooms and office buildings and single-stream elsewhere on campus. If possible, schools are encouraged to use the same collection style across campus to keep the program consistent, thereby reducing confusion and possible contamination and making education more simple and straightforward.



## 2 - TRADITIONAL RECYCLING (CANS, BOTTLES, PAPER)



Schools were also asked about who transports traditional recyclables from campus to processing facilities or markets. The majority of schools (7 universities and 29 community colleges) contract with a private company to pick up recyclables on campus, and in many cases rely on the same hauler who collects the solid waste. One university and seven community colleges rely on their own staff to transport recyclables. In this case, employees usually transport recyclables from campus directly to market or to a local government drop-off site. One university (N.C. A&T) receives recycling collection services from the City of Greensboro and the remaining 15 schools rely on a combination of private haulers, college staff, and local governments to collect recyclables from campus.

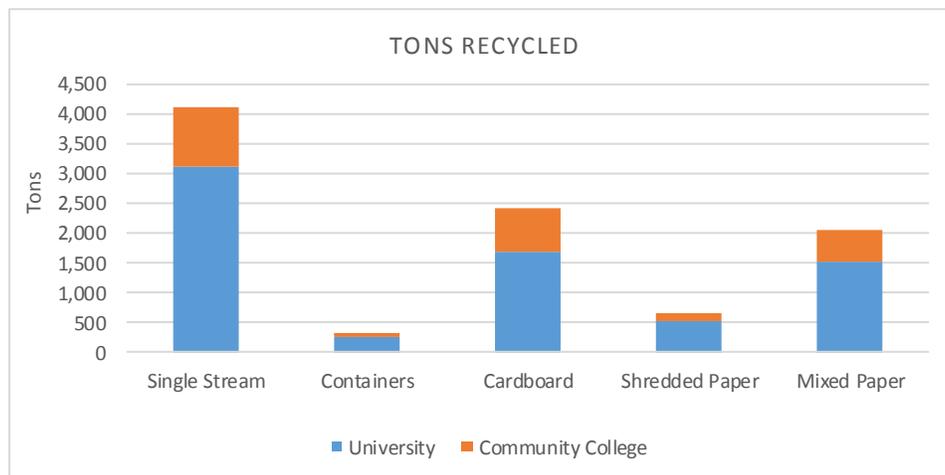
Regardless of the hauler, schools are strongly encouraged to review their hauling process for both trash and recyclables. Reviews should be conducted periodically, and especially when contracts are up for renewal. Containers should be serviced or hauled when they are full or approaching full to get the most value for the services rendered or labor spent. Underutilized containers can be addressed by replacing with smaller units, switching to a more consolidated system with fewer containers, or reducing collection frequency. All of these options present opportunities to reduce collection costs through decreased labor or decreased services.

### 2.4 - TONS RECYCLED

*Report Question: How much in tons did your agency recycle from July 1, 2015 – June 30, 2016?*

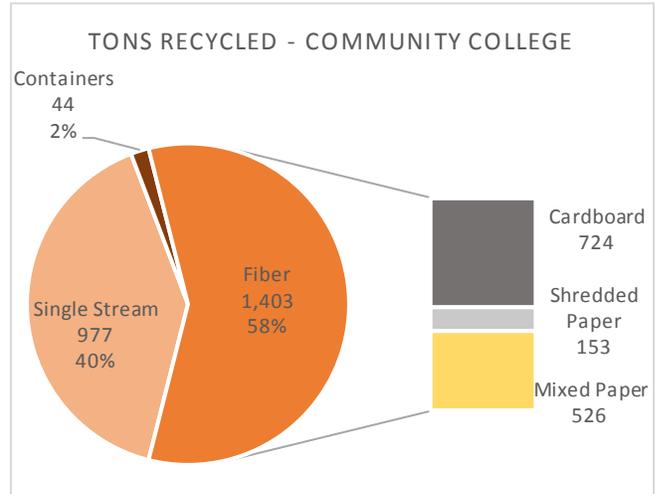
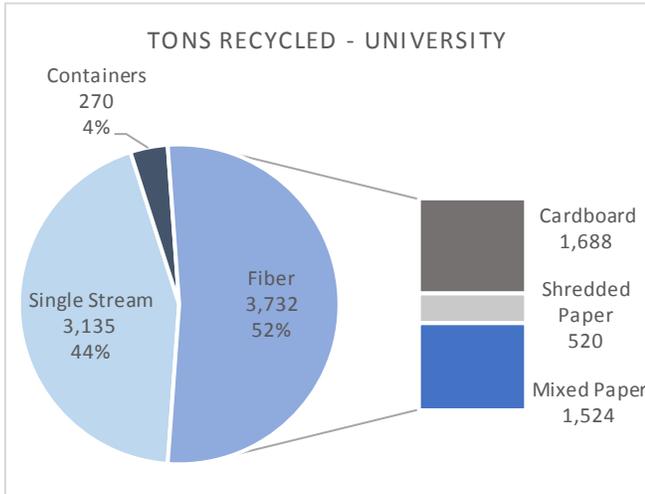
In FY 2015-16, reporting schools recycled 9,561 tons of traditional materials (cans, bottles and paper). Forty-three percent (4,112 tons) was collected in a single-stream program. The materials collected separately or in dual-stream or source-separated programs have been grouped into the following categories:

- Containers, including aluminum cans, steel cans, glass bottles, and plastic bottles
- Cardboard, which is often collected separately from other materials
- Shredded paper, which is often shredded and recycled by a private company
- Mixed paper, including office paper, newspaper, and paper cartons



## 2 - TRADITIONAL RECYCLING (CANS, BOTTLES, PAPER)

Fiber (cardboard, shredded paper, mixed paper) accounted for the majority of traditional materials collected by both colleges and universities in FY 2015-16. It comprised 52% of university recycling tonnage and 58% of community college recycling tonnage. While schools continue to encourage paper recycling, many also reported active source reduction policies, such as moving to electronic recordkeeping and coursework and implementing default duplex printing.



## 3 - OTHER RECYCLING AND DIVERSION

### 3.1 - SURPLUS AND DONATIONS

*Report Questions: Do you participate in the State Surplus program for the resale of state-owned supplies, materials, and equipment?*

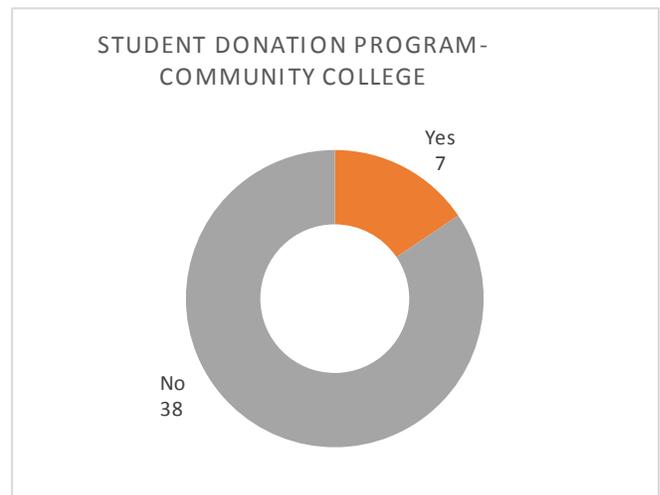
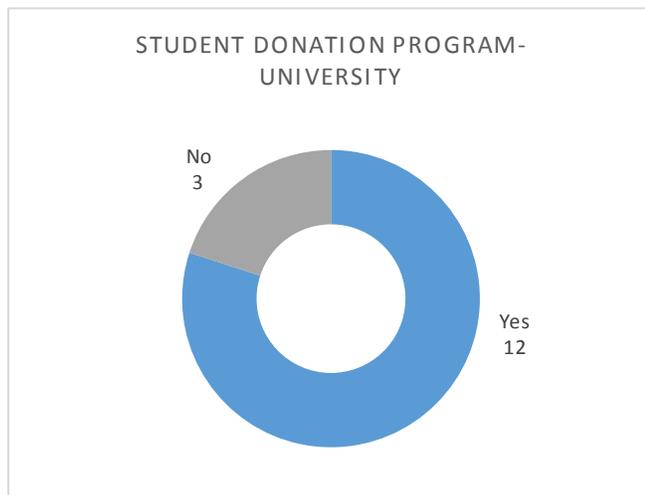
*Do you have a program to donate student-generated materials to charity or other organizations for reuse?*

The N.C. Department of Administration's (DOA) State Surplus Property Agency is the seller of all surplus supplies, materials and equipment owned by the State of North Carolina. Through the surplus process, items that are no longer needed or useful are evaluated to determine the preferred disposition method. Reuse, trade-in, sale or recycling is prioritized over sending items to the landfill. All 15 reporting universities and 41 of 45 reporting community colleges confirmed that they participate in the state surplus program. Schools were not asked to report tons of materials diverted through surplus as part of this report.

Additionally, 12 universities and seven community colleges provide opportunities for students to donate materials that they no longer need. Excess materials from the student population are likely more prevalent at universities with on-campus student housing. A number of universities (Appalachian State, East Carolina, N.C. A&T, N.C. State, UNC-Asheville, UNC-Chapel Hill, UNC-Charlotte, UNC-Greensboro, UNC-School of the Arts, Western Carolina) reported having programs to encourage student donations during move-out, either to be resold, donated to community organizations, or made available to other students.

Donation activities at community colleges often tend to be organized as events. Forsyth Tech organizes a Goodwill drive and maintains a donation closet seeking business clothes for a local women's center, Halifax collects donations and holds an upcycled art sale to benefit a local women's shelter, and Richmond accepts donations for a local church to distribute to community members.

Of the 19 active programs, nine had data about the amount of goods donated and reported 133 tons diverted for reuse.

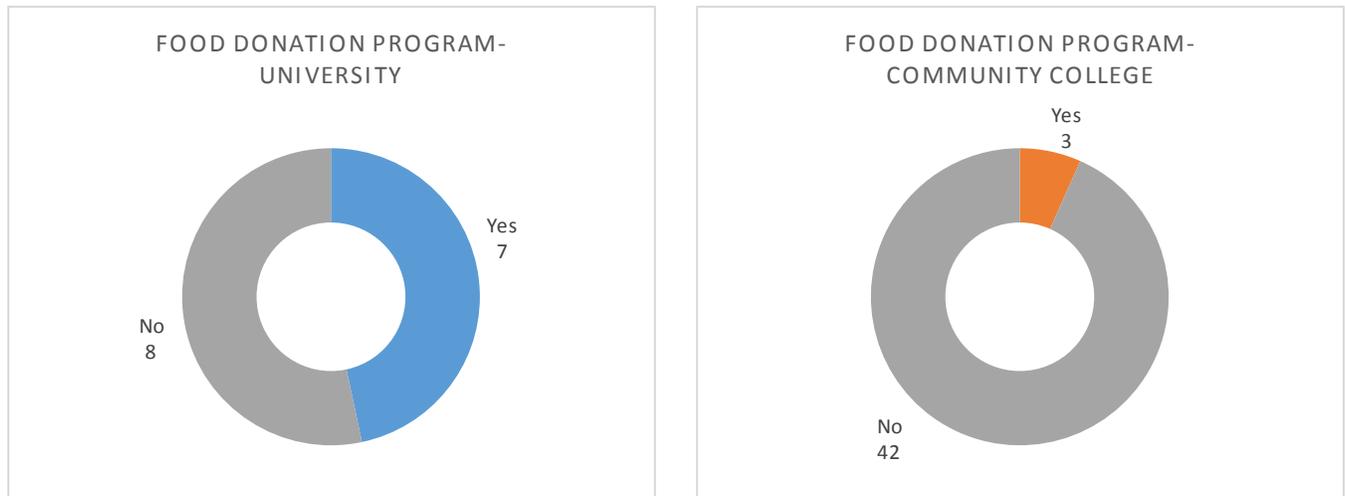


### 3 - OTHER RECYCLING AND DIVERSION

#### 3.2 - FOOD DONATION

*Report Question: Do you have a program in place to donate unused food from campus?*

Reducing food waste is an important priority for North Carolina and the nation. The U.S. EPA has a goal of reducing food waste by half by 2030. Public colleges and universities can be leaders in this area and many North Carolina institutions are already active. Seven universities and three community colleges have programs to donate unused edible food from campus. Of the 10 active programs, six had data about the amount of food donated and reported 9.7 tons diverted to feed other people in the community.



The issue of excess edible food is more common at universities and large community colleges with culinary programs or cafeterias. Most dining options at smaller community colleges are limited to vending machines, snack bars, or made-to-order cafes and therefore are not generating excess portions of food that go uneaten. However, any schools bringing food onto campus for meetings or events should consider right sizing orders and donating leftovers to community groups or other students, faculty, or staff on campus.

For schools seeking opportunities to decrease or manage excess edible food waste, information and resources are available on the N.C. DEQ Organics Recycling webpage at <http://deq.nc.gov/conservation/recycling/recycling-topics/organics-recycling-systems-composting/food-recovery> and through the Food Recovery Network, a national organization supporting student-led efforts to reduce food waste and fight hunger. Four public North Carolina universities (N.C. State, UNC-Chapel Hill, UNC-Greensboro, and UNC-Pembroke) have active Food Recovery Network Chapters on campus.

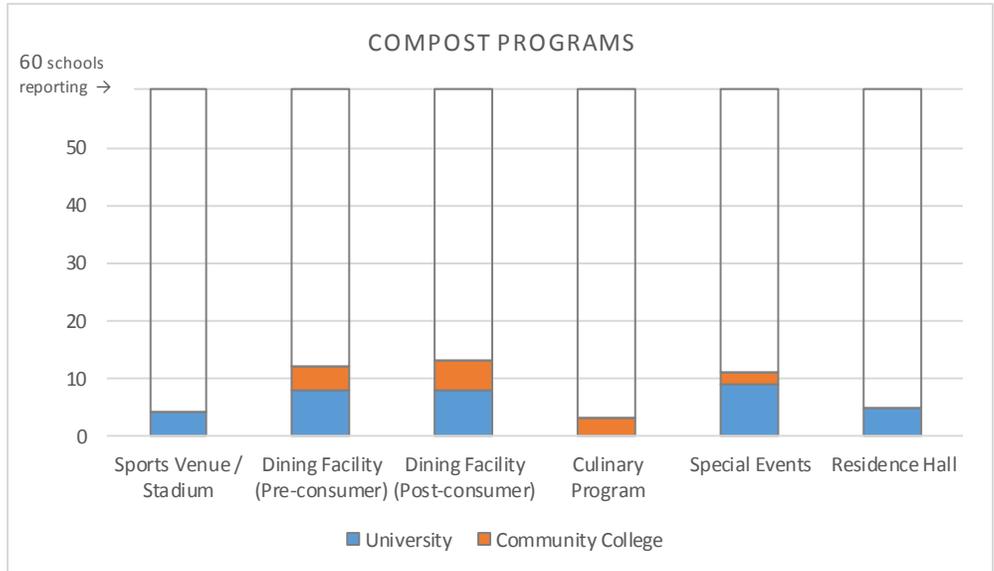
### 3 - OTHER RECYCLING AND DIVERSION

#### 3.3 - COMPOST

*Report Question: Please identify all food waste composting programs operated by your agency.*

After seeking donation options for edible food where possible, institutions can divert additional food waste from the landfill by composting the remaining scraps. Nine universities and eight community colleges are actively composting food scraps from at least one area on campus.

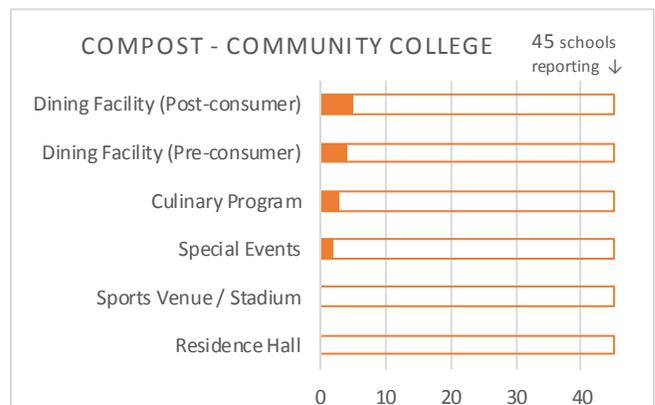
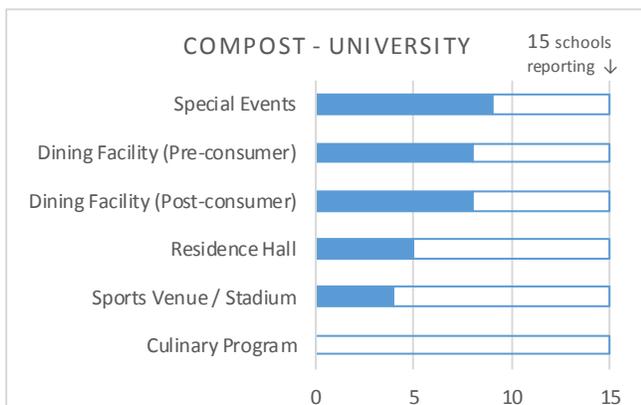
Composting programs at community colleges and universities are most commonly found in dining



facilities. Twelve schools operate a pre-consumer (kitchen) composting program and thirteen schools operate a post-consumer (dining room) composting program to capture leftover food that is not consumed by diners. Post-consumer food waste is either sorted into a compost container by the diners themselves, or sent into the kitchen through a window or automated belt where staff are responsible for sorting. Many schools have taken initiatives to reduce the amount of post-consumer food waste by conducting awareness campaigns and eliminating trays to limit the amount that diners serve themselves at dining hall. With the tray-less programs, students can return for additional helpings but are less likely to overserve themselves on the initial trip and therefore end up wasting less food.

Eight universities and two community college also compost food scraps from events held on campus. Composting has helped many schools to successfully hold zero waste events and some schools even encourage student-organized events to provide the opportunity to compost. This is often achieved by allowing students and organizations to rent composting bins, compostable bags, signs, and other necessary equipment from the recycling office on campus.

Once collected, compost is typically hauled to a commercial composting facility, although some schools have developed partnerships with landscaping or horticulture programs for on-site composting. As discussed in Section 3.4, colleges and universities composted 1,709 tons of food waste in FY 2015-16.



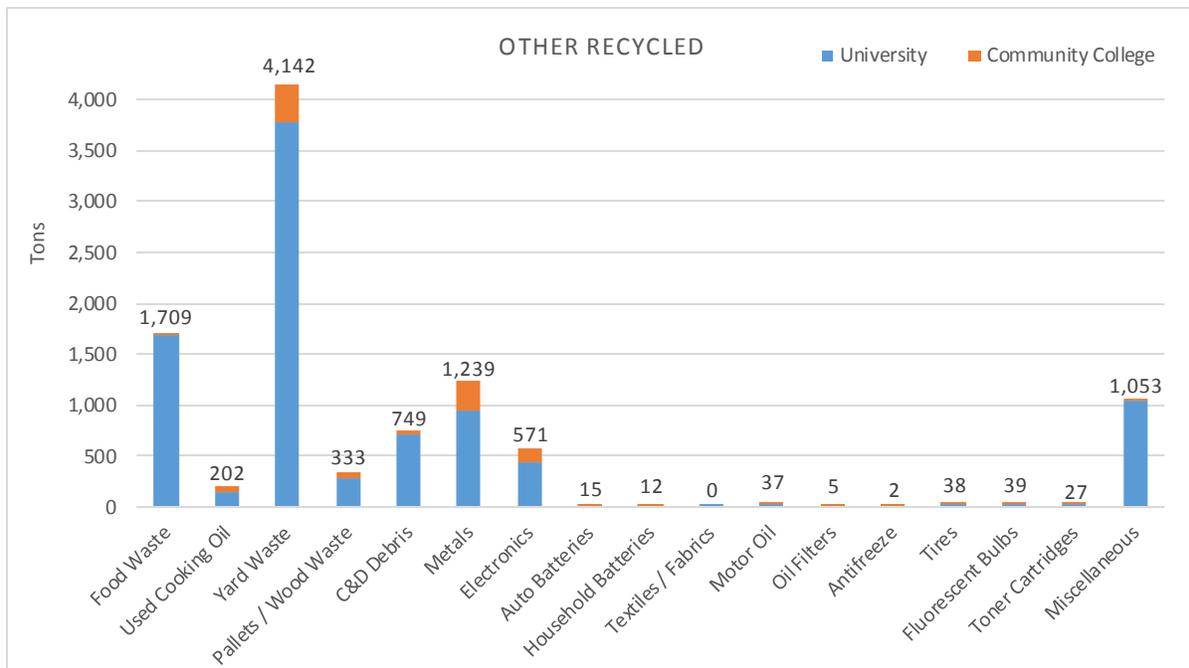
### 3 - OTHER RECYCLING AND DIVERSION

#### 3.4 - OTHER RECYCLED

*Report Question: How much in tons did your agency recycle beyond traditional recyclables in FY 2015-16?*

Beyond traditional recyclables (cans, bottles and paper), schools are actively collecting and recycling many other materials. In FY 2015-16, schools reported recycling 10,174 tons of other “non-traditional” materials. This includes some materials that are banned from landfill disposal in N.C.<sup>2</sup> such as yard waste (4,142 tons) and computers and electronic equipment (571 tons) and many other recyclable materials such as used cooking oil (202 tons), scrap metal (1,239 tons) and construction and demolition debris (749 tons). Schools also reported recycling 1,053 tons of “miscellaneous” material including hardcover books, mattresses, ballasts, solvents, and materials sold or reused through surplus.

The DOA State Surplus Property Agency and Division of Purchasing and Contract offer recycling contracts for many of the materials banned from landfill disposal. All state agencies are required to use the state contracts to recycle antifreeze, used motor oil and oil filters, lead acid (auto) batteries, computer equipment, and fluorescent bulbs. Additionally, though not banned from landfill disposal, state agencies are required to recycle scrap metal through a State Surplus contract. All schools were asked to report on the tons recycled through the state contracts, but not all schools had this data readily available. Approximately half of the reporting schools provided tonnage for state contract recyclables, so the actual amount collected and recycled may be higher than the tonnage reflected in this report.



Most of the “non-traditional” diversion by universities was achieved by recycling yard waste (3,788 tons) and food waste (1,689 tons). These two materials accounted for 59 percent of universities’ other recyclables.

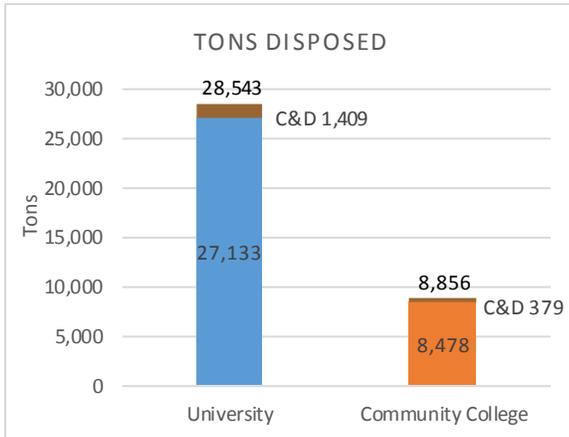
Most of the diversion by community colleges was achieved by recycling yard waste (354 tons) and scrap metal (285 tons). These two materials accounted for 64 percent of community colleges’ other recyclables.

<sup>2</sup> N.C. General Statute 130A-309.10(f) bans landfill disposal of antifreeze, used motor oil and oil filters, yard trash, wooden pallets, tires, lead acid batteries, televisions and computer equipment. N.C. General Statute 130A-310.60 bans landfill disposal of fluorescent bulbs generated from state agencies.

## 4 - DISPOSAL

### 4.1 - TONS DISPOSED

Report Question: How much in tons did your agency dispose (send to landfill) in FY 2015-16?



In FY 2015-16, reporting schools disposed of 37,399 tons of solid waste in landfills.

The total includes 1,788 tons of construction and demolition (C&D) debris sent to the landfill, reported from 21 schools who tracked that material separately.

Many reporting schools indicated that solid waste tons were estimated because actual weight data was not available from the solid waste hauler. DEACS assisted some schools to come up with estimates by considering the number and capacity of dumpsters on campus, frequency of service, and applying a volume-to-weight conversion factor. In the FY 2014-15 report, estimates were

generated using the EPA's conversion factor of 225 lbs/cubic yard for residential municipal solid waste. In April 2016, the EPA released updated conversion factors with more specific categories of solid waste generators. For the FY 2015-16 report, DEACS compared the commercial waste categories to datasets with actual weight data and determined that the commercial dry waste conversion factor of 65 lbs/cubic yard is most appropriate to use. Modifying the conversion factor creates some inconsistencies when comparing data to previous years, but represents a more accurate estimate of the waste stream generated from campus operations.

As schools plan to continue tracking and estimating the amount of solid waste disposed, they may want to consider the following best management practices to facilitate information gathering from their hauler:

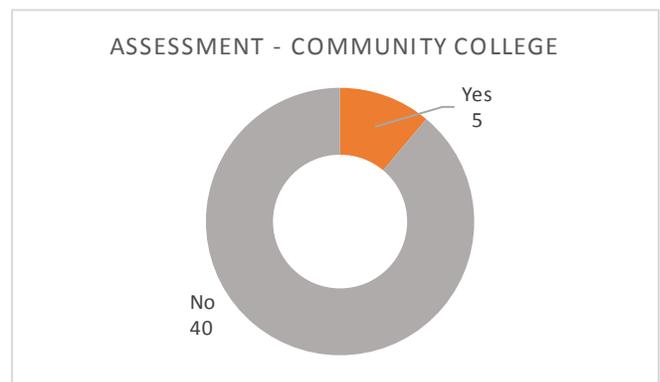
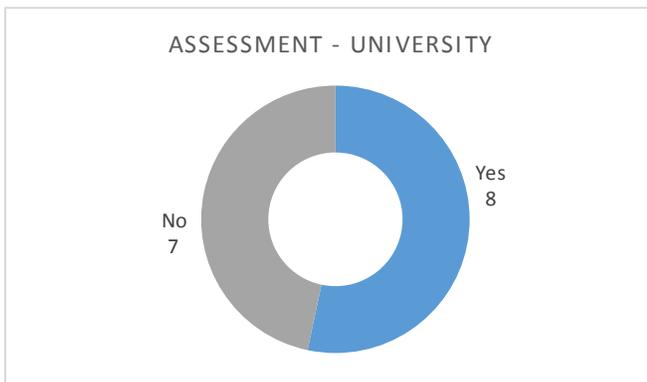
- Include language in solid waste contracts to require monthly tonnage reports from the hauler. This can be actual weights if the capability exists, or estimates from the hauler.
- Request that the hauler periodically collect actual solid waste tonnage information. For example, during one week per quarter, the hauler collects all of the school's regularly scheduled pickups and takes that material directly to a scale to be weighed before servicing other customers on the route.

## 4 - DISPOSAL

### 4.2 - SOLID WASTE ASSESSMENT

*Report Question: Has your agency conducted solid waste assessments of the amount and types of solid waste at its facilities?*

Having a deeper understanding of the composition of disposed waste can help a campus identify ways to improve recycling programs and save on waste costs. Eight universities and five community colleges have conducted solid waste assessments of some kind. Eight of the assessments were internal, conducted by students or staff on campus, and five were external, conducted by consultants or other outside groups. For example, Mecklenburg County included Central Piedmont Community College in their county-wide solid waste assessments. Most assessments (11 out of 13) were conducted in the past two years. A solid waste assessment provides a snapshot of what and how much is being discarded. The information is valuable because it shows what types of wastes are generated in different areas of campus and can illustrate the effectiveness (or ineffectiveness) of recycling efforts. Additionally, results can serve as a baseline so that progress can be measured by conducting future assessments.



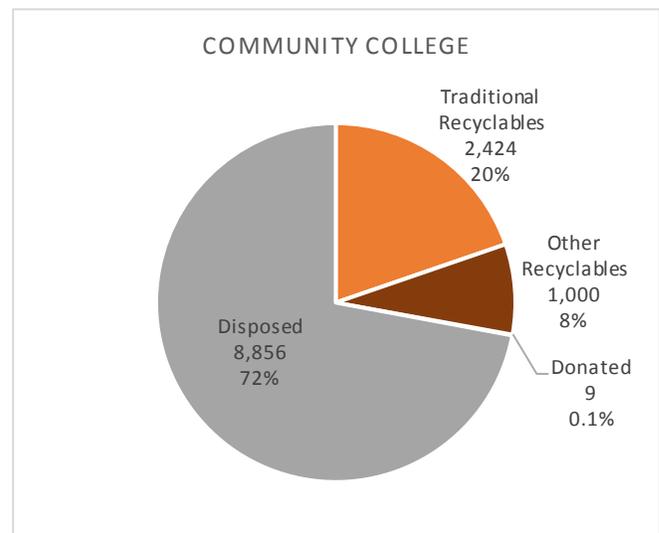
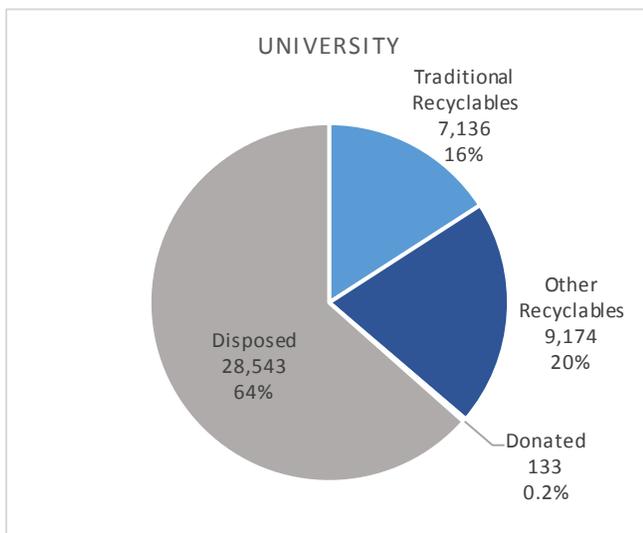
## SUMMARY & RECOMMENDATIONS

In FY 2015-16, public community colleges and universities reported managing a total of 57,275 tons of discarded material. Just more than one-third of the material (35 percent) was recycled (19,734 tons), 0.2 percent was donated (142 tons), and 65 percent was disposed in landfills (37,399 tons).

Universities generated 44,986 tons of material, which converts to an average of 375 pounds of material generated per person<sup>3</sup> per year. Thirty-six percent of this material (16,444 tons) was recycled or donated.

Community colleges generated 12,289 tons of material, for an average of 143 pounds of material generated per person<sup>3</sup> per year. Twenty-eight percent (3,433 tons) was recycled or donated.

FY 2015-16	UNIVERSITY	COMMUNITY COLLEGE	TOTAL
Traditional Recyclables	7,136	2,424	9,561
Other Recyclables	9,174	1,000	10,174
Donated	133	9	142
Disposed	28,543	8,856	37,399
<b>Total Generated</b>	<b>44,986</b>	<b>12,289</b>	<b>57,275</b>



Many schools are continuing to improve and expand waste reduction and recycling efforts while others lack the administrative support, staff and/or funding to evaluate recycling programs. Many programs were designed and implemented years ago and would benefit from making changes that take advantage of new opportunities for efficiency and more effective collection. A list of some best management practices and recommendations that are being implemented at colleges and universities around the state are highlighted below.

### IMPLEMENT SINGLE-STREAM RECYCLING COLLECTION

Collecting recyclables in a single-stream system increases participation, simplifies education and streamlines collection which results in improved efficiency for internal staff and contracted haulers. A single-stream system also allows for greater ease in achieving a campus-wide twinned bin system, since only one recycling bin is needed to pair with each trash bin.

<sup>3</sup> Full-time equivalent students and staff on campus

## SUMMARY & RECOMMENDATIONS

### EDUCATE

Effective outreach, using multiple mechanisms with consistent messaging, helps ensure the collection of more, cleaner recyclables. Education should be an ongoing effort at the beginning of each semester and periodically throughout to ensure that the users of the program and the staff responsible for managing recyclables behind the scenes understand what materials are recyclable and how to manage them. Campuses can take advantage of free resources to augment education and outreach efforts. The state's RecycleMore website offers information, free promotional items and signs available to download and print. Recycling haulers may also be able to provide free signs or posters that are tailored to a school's specific program.

### TWIN THE BIN

Pairing recycling and trash bins together across campus should be a goal for all colleges and universities. Twinning the bin at every location provides a convenient option to recycle, provides a message that recycling is a priority and reduces contamination. Where budgets limit the ability to buy recycling containers, schools should consider reducing the number of trash bins or converting some trash bins to recycling bins. This can be done by changing the lid so that it has a restrictive opening and/or different color, or by using labels and signs.

### MEASURE

While the annual reporting process provides an opportunity to collect and review solid waste and recycling data, agencies are encouraged to continually track program data and metrics. If information is not available about recycling or solid waste volume or tonnage, campuses can successfully work with their haulers to obtain reports or estimates of collected tonnage. Adding a clause in recycling and solid waste contracts to require that vendors provide data will help to hold them accountable.

Periodic waste assessments are a good way to determine the types of material in the waste stream. Even a small scale internal waste assessment will provide valuable information about the types of materials generated on campus. Decisions can then be made about what materials could be targeted for diversion through better education, new recycling programs, or source reduction.

### EXPAND RECYCLING

Many community colleges and universities already have programs in place to divert materials beyond traditional recyclables. Schools are reminded to use contracts and services available through the State Surplus Property Agency and Division of Purchasing and Contract to manage office furniture and supplies, equipment, vehicles and special recyclables such as scrap metal, motor oil and filters, electronics and fluorescent bulbs.

An emerging priority for many schools is the reduction of food waste going to the landfill. During FY 2015-16, 21 schools reported diverting 1,719 tons of food waste. This was achieved by donating excess edible food to community organizations and composting food scraps from dining halls, culinary programs, special events, sporting events and residence halls.

### TALK TO PEERS

Most universities and community colleges are managing similar waste streams and tackling many of the same challenges related to solid waste management. Through this report, DEACS hopes to highlight some general best management practices, but many more can be discovered by talking with peers. One opportunity for connecting is through the Collegiate Recyclers Coalition (CRC), a council of the Carolina Recycling Association. The CRC holds quarterly meetings and an annual workshop, which provides an opportunity for networking and information sharing. More information can be found by contacting DEACS or visiting the CRC website at: <http://www.cra-recycle.org/councilsandcommittees/cracouncils/crc/>.

## APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

1.1 EDUCATION METHODS	Labels on Bins	Signs / Stickers on Bins	Flyers / Posters on Campus	Emails to Staff	Emails to Students	Webpage	Social Media	Classroom Education	In-Person Interaction	Tabling at Campus Events	Student Groups	Residence Halls	Orientation	Competitions	Events
<b>UNIVERSITY</b>															
Appalachian State University	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
East Carolina University	1	1	-	1	1	1	1	-	1	1	1	1	1	1	-
Fayetteville State University	1	1	1	1	1	1	-	1	1	1	1	1	-	-	1
NC A&T State University	1	1	-	-	-	1	-	-	1	-	1	1	1	-	-
NC School of Science & Math	1	-	1	-	-	1	-	1	1	-	1	1	1	1	-
NC State University	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1
UNC Asheville	1	1	-	1	-	1	-	-	1	1	1	1	1	1	1
UNC Chapel Hill	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1
UNC Charlotte	1	1	1	-	-	1	1	-	-	1	-	1	1	-	-
UNC Greensboro	1	1	-	-	-	1	-	1	1	1	-	1	-	1	1
UNC Pembroke	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UNC School of the Arts	1	1	-	-	-	-	-	1	1	1	-	1	1	1	-
UNC Wilmington	1	1	1	-	-	1	1	1	1	1	1	1	1	1	1
Western Carolina University	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Winston-Salem State University	1	1	1	1	1	1	-	-	1	-	-	1	1	-	-
<b>Total</b>	<b>15</b>	<b>14</b>	<b>10</b>	<b>9</b>	<b>7</b>	<b>14</b>	<b>8</b>	<b>9</b>	<b>14</b>	<b>12</b>	<b>11</b>	<b>15</b>	<b>13</b>	<b>11</b>	<b>9</b>
<b>COMMUNITY COLLEGE</b>															
Alamance CC	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Asheville-Buncombe Tech CC	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Beaufort County CC	1	1	1	1	-	1	-	-	1	-	-	-	-	-	-
Bladen CC	1	1	1	1	-	1	1	-	-	-	-	-	-	-	-
Blue Ridge CC	1	1	1	1	-	-	-	-	1	1	-	-	-	-	-
Brunswick CC	1	1	-	-	-	1	-	1	1	-	-	-	1	-	-
Caldwell CC & Tech Institute	1	1	1	1	1	-	-	-	-	-	1	-	-	-	-
Carteret CC	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Catawba Valley CC	1	1	1	-	-	-	-	1	-	-	1	-	1	-	-
Central Carolina CC	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Central Piedmont CC	1	1	1	1	1	1	1	-	1	-	-	-	1	-	1
College of the Albemarle	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Craven CC	1	1	1	-	-	-	-	-	-	-	-	-	-	-	1
Davidson County CC	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Durham Technical CC	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Fayetteville Tech CC	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Forsyth Technical CC	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gaston College	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Guilford Technical CC	1	1	1	1	1	-	-	-	-	-	1	-	-	-	-

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

1.1 EDUCATION METHODS	Labels on Bins	Signs / Stickers on Bins	Flyers / Posters on Campus	Emails to Staff	Emails to Students	Webpage	Social Media	Classroom Education	In-Person Interaction	Tabling at Campus Events	Student Groups	Residence Halls	Orientation	Competitions	Events
<b>COMMUNITY COLLEGE continued</b>															
Halifax CC	1	1	1	1	1	-	1	1	1	1	1	-	1	-	-
Haywood CC	1	1	-	1	-	1	-	-	-	-	-	-	-	-	-
James Sprunt CC	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Lenoir CC	1	1	-	-	-	-	1	-	-	-	-	-	1	-	-
Mayland CC	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mitchell CC	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-
Montgomery CC	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-
Nash CC	1	1	-	-	-	-	-	-	-	-	1	-	-	-	1
Piedmont CC	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-
Pitt CC	1	1	1	1	-	-	-	-	1	-	-	-	-	-	-
Randolph CC	1	-	-	1	-	-	-	1	1	1	-	-	1	-	-
Richmond CC	1	1	1	-	-	-	-	-	-	-	-	-	-	-	1
Rockingham CC	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Rowan-Cabarrus CC	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sampson CC	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Sandhills CC	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
South Piedmont CC	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-
Southeastern CC	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Southwestern CC	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Stanly CC	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Surry CC	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Tri-County CC	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Wake Technical CC	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Wayne CC	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Western Piedmont CC	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Wilson CC	1	1	1	1	1	1	1	1	1	1	1	-	-	1	1
<b>Total</b>	<b>44</b>	<b>39</b>	<b>19</b>	<b>17</b>	<b>6</b>	<b>8</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>1</b>	<b>5</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>59</b>	<b>53</b>	<b>29</b>	<b>26</b>	<b>13</b>	<b>22</b>	<b>13</b>	<b>15</b>	<b>22</b>	<b>16</b>	<b>19</b>	<b>15</b>	<b>21</b>	<b>12</b>	<b>14</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

1.2 OUTREACH CAMPAIGNS	Recycle Guys	RE3	RecycleMore	Recyclemania	America Recycles Day	Other Campaigns
<b>UNIVERSITY</b>						
Appalachian State University	1	1	1	1	1	-
East Carolina University	-	1	-	-	-	1
Fayetteville State University	1	1	-	-	-	-
NC A&T State University	-	-	-	1	-	-
NC School of Science & Math	-	-	-	-	-	1
NC State University	-	1	1	1	1	1
UNC Asheville	-	-	-	1	-	-
UNC Chapel Hill	1	1	1	-	1	1
UNC Charlotte	-	1	1	-	-	-
UNC Greensboro	1	1	-	1	-	-
UNC Pembroke	-	1	-	1	1	-
UNC School of the Arts	-	-	-	-	-	-
UNC Wilmington	-	-	-	1	-	-
Western Carolina University	-	-	1	1	1	-
Winston-Salem State Univ	-	-	-	-	-	-
<b>Total</b>	<b>4</b>	<b>8</b>	<b>5</b>	<b>8</b>	<b>5</b>	<b>4</b>
<b>COMMUNITY COLLEGE</b>						
Alamance CC	-	1	-	-	-	-
Asheville-Buncombe Tech CC	-	-	-	-	-	-
Beaufort County CC	-	-	-	-	-	-
Bladen CC	-	-	-	-	-	-
Blue Ridge CC	-	-	-	-	-	-
Brunswick CC	-	-	-	-	-	1
Caldwell CC & Tech Institute	1	-	-	-	-	-
Carteret CC	-	-	-	-	-	-
Catawba Valley CC	-	-	-	-	-	-
Central Carolina CC	-	-	-	-	-	-
Central Piedmont CC	-	-	-	-	-	1
College of the Albemarle	-	-	-	-	-	-
Craven CC	-	-	-	-	-	-
Davidson County CC	-	-	-	-	-	-
Durham Technical CC	-	-	-	-	-	-
Fayetteville Tech CC	-	-	-	-	-	-
Forsyth Technical CC	-	-	-	-	-	-
Gaston College	-	-	-	-	-	-
Guilford Technical CC	-	-	1	-	-	-

1.2 OUTREACH CAMPAIGNS	Recycle Guys	RE3	RecycleMore	Recyclemania	America Recycles Day	Other Campaigns
<b>COMMUNITY COLLEGE continued</b>						
Halifax CC	1	-	-	-	-	-
Haywood CC	-	-	-	-	-	-
James Sprunt CC	-	-	-	-	-	-
Lenoir CC	-	-	-	-	-	-
Mayland CC	-	-	-	-	-	-
Mitchell CC	-	-	-	-	-	-
Montgomery CC	-	-	-	-	-	-
Nash CC	-	-	-	-	-	-
Piedmont CC	-	-	-	-	-	1
Pitt CC	-	-	-	-	-	1
Randolph CC	-	-	-	-	-	-
Richmond CC	-	-	-	-	-	-
Rockingham CC	-	-	-	-	-	-
Rowan-Cabarrus CC	-	-	-	-	-	-
Sampson CC	-	-	-	-	-	-
Sandhills CC	-	-	-	-	-	-
South Piedmont CC	-	-	-	-	-	-
Southeastern CC	-	-	-	-	-	-
Southwestern CC	-	1	-	-	-	-
Stanly CC	-	-	-	-	-	-
Surry CC	-	-	-	-	-	-
Tri-County CC	-	-	-	-	-	1
Wake Technical CC	-	-	-	1	-	-
Wayne CC	-	-	-	-	-	-
Western Piedmont CC	-	1	-	-	-	-
Wilson CC	-	-	-	1	-	-
<b>Total</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>5</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>6</b>	<b>11</b>	<b>6</b>	<b>10</b>	<b>5</b>	<b>9</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

2.1 PUBLIC SPACE RECYCLING	Sports Venue / Stadium	Athletic Field	Dining Facility	Meeting / Training Space	Theater / Museum	Pedestrian	Special Event
<b>UNIVERSITY</b>							
Appalachian State University	1	1	1	1	1	1	1
East Carolina University	1	1	1	1	1	1	1
Fayetteville State University	-	-	1	1	-	1	1
NC A&T State University	1	1	1	1	1	1	-
NC School of Science & Math	-	-	1	-	1	1	1
NC State University	1	1	1	1	1	1	1
UNC Asheville	1	-	1	-	-	-	1
UNC Chapel Hill	1	1	1	1	1	1	1
UNC Charlotte	1	1	-	-	-	1	1
UNC Greensboro	-	1	1	1	1	1	1
UNC Pembroke	1	1	1	1	1	1	1
UNC School of the Arts	-	-	1	1	1	1	1
UNC Wilmington	1	1	1	1	1	1	1
Western Carolina University	1	1	1	1	1	1	1
Winston-Salem State University	1	1	1	1	-	1	1
<b>Total</b>	<b>11</b>	<b>11</b>	<b>14</b>	<b>12</b>	<b>11</b>	<b>14</b>	<b>14</b>
<b>COMMUNITY COLLEGE</b>							
Alamance CC	-	-	1	1	-	1	1
Asheville-Buncombe Tech CC	-	-	-	-	-	-	1
Beaufort County CC	-	-	1	1	-	-	-
Bladen CC	-	-	-	-	-	-	-
Blue Ridge CC	-	-	-	-	-	-	-
Brunswick CC	-	1	1	-	-	-	1
Caldwell CC & Tech Institute	-	-	-	-	-	-	-
Carteret CC	-	-	1	-	-	1	1
Catawba Valley CC	1	1	1	1	1	1	1
Central Carolina CC	-	-	1	1	-	-	-
Central Piedmont CC	-	-	-	1	1	1	1
College of the Albemarle	-	-	1	-	-	-	-
Craven CC	-	-	-	-	-	-	1
Davidson County CC	1	-	-	1	-	1	1
Durham Technical CC	-	-	1	1	-	-	1
Fayetteville Tech CC	-	1	1	1	1	-	1
Forsyth Technical CC	-	-	-	-	-	1	-
Gaston College	-	-	-	1	-	1	1
Guilford Technical CC	-	-	1	1	-	1	1

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

2.1 PUBLIC SPACE RECYCLING	Sports Venue / Stadium	Athletic Field	Dining Facility	Meeting / Training Space	Theater / Museum	Pedestrian	Special Event
<b>COMMUNITY COLLEGE continued</b>							
Halifax CC	-	1	1	1	1	1	-
Haywood CC	-	-	1	1	1	1	1
James Sprunt CC	-	-	1	-	-	-	-
Lenoir CC	-	-	1	1	-	-	-
Mayland CC	-	-	1	1	-	-	-
Mitchell CC	-	-	-	1	-	-	-
Montgomery CC	-	-	-	1	-	-	1
Nash CC	-	-	1	1	-	1	-
Piedmont CC	-	-	1	1	-	-	-
Pitt CC	1	-	1	1	-	-	-
Randolph CC	-	-	1	1	-	1	-
Richmond CC	-	-	1	1	1	-	1
Rockingham CC	-	-	-	1	-	-	-
Rowan-Cabarrus CC	-	-	-	-	-	-	-
Sampson CC	-	-	1	-	-	-	-
Sandhills CC	-	-	1	-	-	1	-
South Piedmont CC	-	-	1	1	-	-	-
Southeastern CC	-	-	1	1	-	1	-
Southwestern CC	-	-	1	-	-	1	-
Stanly CC	-	-	-	-	-	-	-
Surry CC	-	1	1	1	-	1	-
Tri-County CC	-	-	-	-	-	-	-
Wake Technical CC	1	-	1	1	-	1	1
Wayne CC	-	-	-	1	-	-	-
Western Piedmont CC	-	-	1	1	-	-	1
Wilson CC	-	-	1	1	1	1	1
<b>Total</b>	<b>4</b>	<b>5</b>	<b>29</b>	<b>29</b>	<b>7</b>	<b>18</b>	<b>18</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>15</b>	<b>16</b>	<b>43</b>	<b>41</b>	<b>18</b>	<b>32</b>	<b>32</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

2.2 TWINNED BINS	All Bins Twinned	Some Bins Twinned	No Bins Twinned
<b>UNIVERSITY</b>			
Appalachian State University	-	1	-
East Carolina University	-	1	-
Fayetteville State University	-	1	-
NC A&T State University	-	1	-
NC School of Science & Math	-	1	-
NC State University	1	-	-
UNC Asheville	-	1	-
UNC Chapel Hill	-	1	-
UNC Charlotte	-	1	-
UNC Greensboro	-	1	-
UNC Pembroke	-	1	-
UNC School of the Arts	-	1	-
UNC Wilmington	-	1	-
Western Carolina University	-	1	-
Winston-Salem State University	1	-	-
<b>Total</b>	<b>2</b>	<b>13</b>	<b>0</b>
<b>COMMUNITY COLLEGE</b>			
Alamance CC	-	-	1
Asheville-Buncombe Tech CC	-	1	-
Beaufort County CC	-	1	-
Bladen CC	1	-	-
Blue Ridge CC	1	-	-
Brunswick CC	-	1	-
Caldwell CC & Tech Institute	-	-	1
Carteret CC	-	1	-
Catawba Valley CC	-	-	1
Central Carolina CC	-	1	-
Central Piedmont CC	-	1	-
College of the Albemarle	1	-	-
Craven CC	1	-	-
Davidson County CC	1	-	-
Durham Technical CC	1	-	-
Fayetteville Tech CC	1	-	-
Forsyth Technical CC	-	-	1
Gaston College	1	-	-
Guilford Technical CC	1	-	-

2.2 TWINNED BINS	All Bins Twinned	Some Bins Twinned	No Bins Twinned
<b>COMMUNITY COLLEGE continued</b>			
Halifax CC	-	1	-
Haywood CC	-	1	-
James Sprunt CC	-	-	1
Lenoir CC	-	1	-
Mayland CC	-	1	-
Mitchell CC	-	1	-
Montgomery CC	-	1	-
Nash CC	1	-	-
Piedmont CC	1	-	-
Pitt CC	-	1	-
Randolph CC	-	1	-
Richmond CC	-	1	-
Rockingham CC	-	1	-
Rowan-Cabarrus CC	-	1	-
Sampson CC	1	-	-
Sandhills CC	-	1	-
South Piedmont CC	-	1	-
Southeastern CC	-	-	1
Southwestern CC	1	-	-
Stanly CC	-	-	1
Surry CC	-	1	-
Tri-County CC	-	1	-
Wake Technical CC	1	-	-
Wayne CC	-	1	-
Western Piedmont CC	-	-	1
Wilson CC	-	1	-
<b>Total</b>	<b>14</b>	<b>23</b>	<b>8</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>16</b>	<b>36</b>	<b>8</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

2.3 RECYCLING COLLECTION STYLE	Single-Stream	Dual-Stream	Source Separated	Combo
<b>UNIVERSITY</b>				
Appalachian State University	1	-	-	-
East Carolina University	-	1	-	-
Fayetteville State University	1	-	-	-
NC A&T State University	1	-	-	-
NC School of Science & Math	1	-	-	-
NC State University	-	-	-	1
UNC Asheville	1	-	-	-
UNC Chapel Hill	-	-	-	1
UNC Charlotte	-	1	-	-
UNC Greensboro	-	-	-	1
UNC Pembroke	1	-	-	-
UNC School of the Arts	1	-	-	-
UNC Wilmington	-	-	1	-
Western Carolina University	-	-	-	1
Winston-Salem State University	-	-	-	1
<b>Total</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>5</b>
<b>COMMUNITY COLLEGE</b>				
Alamance CC	1	-	-	-
Asheville-Buncombe Tech CC	1	-	-	-
Beaufort County CC	-	-	1	-
Bladen CC	-	1	-	-
Blue Ridge CC	-	-	1	-
Brunswick CC	1	-	-	-
Caldwell CC & Tech Institute	1	-	-	-
Carteret CC	1	-	-	-
Catawba Valley CC	1	-	-	-
Central Carolina CC	1	-	-	-
Central Piedmont CC	1	-	-	-
College of the Albemarle	1	-	-	-
Craven CC	1	-	-	-
Davidson County CC	1	-	-	-
Durham Technical CC	-	1	-	-
Fayetteville Tech CC	-	-	1	-
Forsyth Technical CC	1	-	-	-
Gaston College	1	-	-	-
Guilford Technical CC	1	-	-	-

2.3 RECYCLING COLLECTION STYLE	Single-Stream	Dual-Stream	Source Separated	Combo
<b>COMMUNITY COLLEGE continued</b>				
Halifax CC	1	-	-	-
Haywood CC	1	-	-	-
James Sprunt CC	-	1	-	-
Lenoir CC	1	-	-	-
Mayland CC	-	-	1	-
Mitchell CC	-	-	-	1
Montgomery CC	-	1	-	-
Nash CC	1	-	-	-
Piedmont CC	-	1	-	-
Pitt CC	-	1	-	-
Randolph CC	-	1	-	-
Richmond CC	-	-	1	-
Rockingham CC	1	-	-	-
Rowan-Cabarrus CC	-	1	-	-
Sampson CC	-	1	-	-
Sandhills CC	1	-	-	-
South Piedmont CC	-	-	1	-
Southeastern CC	-	1	-	-
Southwestern CC	1	-	-	-
Stanly CC	1	-	-	-
Surry CC	1	-	-	-
Tri-County CC	-	-	1	-
Wake Technical CC	-	-	-	1
Wayne CC	-	1	-	-
Western Piedmont CC	1	-	-	-
Wilson CC	-	-	1	-
<b>Total</b>	<b>24</b>	<b>11</b>	<b>8</b>	<b>2</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>31</b>	<b>13</b>	<b>9</b>	<b>7</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

2.3 HAULER	In-House Employees	Private Hauler	Other	Combo
<b>UNIVERSITY</b>				
Appalachian State University	1	-	-	-
East Carolina University	-	-	-	1
Fayetteville State University	-	-	-	1
NC A&T State University	-	-	1	-
NC School of Science & Math	-	1	-	-
NC State University	-	-	-	1
UNC Asheville	-	1	-	-
UNC Chapel Hill	-	-	-	1
UNC Charlotte	-	1	-	-
UNC Greensboro	-	-	-	1
UNC Pembroke	-	1	-	-
UNC School of the Arts	-	1	-	-
UNC Wilmington	-	-	-	1
Western Carolina University	-	1	-	-
Winston-Salem State University	-	1	-	-
<b>Total</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>6</b>
<b>COMMUNITY COLLEGE</b>				
Alamance CC	1	-	-	-
Asheville-Buncombe Tech CC	-	1	-	-
Beaufort County CC	-	-	-	1
Bladen CC	1	-	-	-
Blue Ridge CC	-	1	-	-
Brunswick CC	-	1	-	-
Caldwell CC & Tech Institute	-	1	-	-
Carteret CC	-	1	-	-
Catawba Valley CC	-	1	-	-
Central Carolina CC	-	1	-	-
Central Piedmont CC	-	1	-	-
College of the Albemarle	-	-	-	1
Craven CC	-	1	-	-
Davidson County CC	-	1	-	-
Durham Technical CC	-	1	-	-
Fayetteville Tech CC	-	1	-	-
Forsyth Technical CC	-	-	-	1
Gaston College	1	-	-	-
Guilford Technical CC	-	-	-	1

2.3 HAULER	In-House Employees	Private Hauler	Other	Combo
<b>COMMUNITY COLLEGE continued</b>				
Halifax CC	-	1	-	-
Haywood CC	-	1	-	-
James Sprunt CC	-	-	-	1
Lenoir CC	1	-	-	-
Mayland CC	-	1	-	-
Mitchell CC	-	-	-	1
Montgomery CC	-	-	-	1
Nash CC	-	1	-	-
Piedmont CC	-	1	-	-
Pitt CC	-	1	-	-
Randolph CC	-	1	-	-
Richmond CC	1	-	-	-
Rockingham CC	-	1	-	-
Rowan-Cabarrus CC	-	-	-	1
Sampson CC	-	1	-	-
Sandhills CC	-	1	-	-
South Piedmont CC	1	-	-	-
Southeastern CC	-	1	-	-
Southwestern CC	-	1	-	-
Stanly CC	-	1	-	-
Surry CC	-	1	-	-
Tri-County CC	-	-	-	1
Wake Technical CC	-	1	-	-
Wayne CC	-	1	-	-
Western Piedmont CC	-	1	-	-
Wilson CC	1	-	-	-
<b>Total</b>	<b>7</b>	<b>29</b>	<b>0</b>	<b>9</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>8</b>	<b>36</b>	<b>1</b>	<b>15</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

2.4 TONS RECYCLED	Single-Stream	Dual-Stream Paper	Dual-Stream Containers	Cardboard	Office Paper	Mixed Paper	Shredded Paper	Plastic Bottles & Containers	Aluminum Cans	Steel Cans	Glass	Total Recycled
<b>UNIVERSITY</b>												
Appalachian State University	238	-	-	160	-	49	-	-	-	-	-	447
East Carolina University	-	195	69	243	-	-	119	-	-	-	-	627
Fayetteville State University	44	-	-	-	-	-	-	-	-	-	-	44
NC A&T State University	441	-	-	-	-	-	-	-	-	-	-	441
NC School of Science & Math	63	-	-	42	-	-	-	-	-	-	-	105
NC State University	644	-	-	355	-	458	33	-	-	-	-	1,490
UNC Asheville	135	-	-	-	-	-	-	-	-	-	-	135
UNC Chapel Hill	777	-	45	619	-	257	330	-	-	-	-	2,028
UNC Charlotte	-	403	88	-	-	-	-	-	-	-	-	491
UNC Greensboro	514	-	-	37	25	-	9	-	-	-	-	585
UNC Pembroke	114	-	-	-	-	-	-	-	-	-	-	114
UNC School of the Arts	157	-	-	-	-	-	-	-	-	-	-	157
UNC Wilmington	-	-	-	118	-	102	-	25	3	2	17	266
Western Carolina University	-	34	21	83	-	-	26	-	-	-	-	164
Winston-Salem State University	7	1	-	31	-	-	2	-	-	-	-	41
<b>Total</b>	<b>3,135</b>	<b>633</b>	<b>223</b>	<b>1,688</b>	<b>25</b>	<b>866</b>	<b>520</b>	<b>25</b>	<b>3</b>	<b>2</b>	<b>17</b>	<b>7,136</b>
<b>COMMUNITY COLLEGE</b>												
Alamance CC	-	-	-	40	-	-	1	-	-	-	-	41
Asheville-Buncombe Tech CC	50	-	-	18	-	-	-	-	-	-	-	68
Beaufort County CC	-	30	1	-	-	-	-	-	-	-	-	31
Bladen CC	-	15	1	-	-	-	-	-	-	-	-	16
Blue Ridge CC	-	-	-	1	1	1	2	2	2	-	-	9
Brunswick CC	20	-	-	-	-	13	-	-	-	-	-	33
Caldwell CC & Tech Institute	7	-	-	-	-	-	-	-	-	-	-	7
Carteret CC	4	-	-	50	-	-	8	-	-	-	-	61
Catawba Valley CC	60	-	-	7	-	-	-	-	-	-	-	67
Central Carolina CC	12	-	-	-	-	-	-	-	-	-	-	12
Central Piedmont CC	104	-	-	-	79	-	-	-	-	-	-	183
College of the Albemarle	4	-	-	16	-	-	-	-	-	-	-	20
Craven CC	30	-	-	6	-	-	10	-	-	-	-	46
Davidson County CC	17	-	-	50	-	-	-	-	-	-	-	66
Durham Technical CC	2	-	-	140	10	-	40	-	-	-	-	192
Fayetteville Tech CC	-	-	-	28	-	137	-	8	2	-	-	175
Forsyth Technical CC	22	-	-	-	-	-	-	-	-	-	-	22
Gaston College	7	-	-	-	-	-	-	-	-	-	-	7
Guilford Technical CC	24	-	-	35	-	-	-	-	-	-	-	59

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

2.4 TONS RECYCLED	Single-Stream	Dual-Stream Paper	Dual-Stream Containers	Cardboard	Office Paper	Mixed Paper	Shredded Paper	Plastic Bottles & Containers	Aluminum Cans	Steel Cans	Glass	Total Recycled
<b>COMMUNITY COLLEGE continued</b>												
Halifax CC	100	-	-	-	-	-	-	-	-	-	-	100
Haywood CC	99	-	-	-	-	-	-	-	-	-	-	99
James Sprunt CC	-	27	2	-	-	-	-	-	-	-	-	29
Lenoir CC	-	-	-	17	-	97	-	-	-	-	-	113
Mayland CC	-	-	-	3	2	-	-	1	-	-	-	6
Mitchell CC	3	-	-	7	-	2	5	1	1	-	-	19
Montgomery CC	-	-	1	-	-	-	3	-	-	-	-	4
Nash CC	5	-	-	7	-	-	-	-	-	-	-	12
Piedmont CC	-	1	1	1	-	-	-	1	-	-	-	4
Pitt CC	-	3	3	34	-	-	-	-	-	-	-	41
Randolph CC	-	3	1	2	-	-	-	-	-	-	-	6
Richmond CC	-	-	-	1	-	-	2	-	1	-	-	4
Rockingham CC	92	-	-	-	-	-	-	-	-	-	-	92
Rowan-Cabarrus CC	-	10	1	1	-	-	-	-	-	-	-	12
Sampson CC	-	12	1	-	-	-	-	-	-	-	-	13
Sandhills CC	20	-	-	25	4	25	-	-	-	-	1	75
South Piedmont CC	-	-	3	20	14	-	30	1	2	-	-	70
Southeastern CC	-	2	1	-	-	-	-	-	-	-	-	3
Southwestern CC	5	-	-	-	-	-	-	-	-	-	-	5
Stanly CC	4	-	-	-	-	-	6	-	-	-	-	10
Surry CC	17	-	-	-	-	-	-	-	-	-	-	17
Tri-County CC	2	-	-	-	-	-	-	-	-	-	-	2
Wake Technical CC	22	-	-	182	-	-	47	-	-	-	-	251
Wayne CC	-	12	-	15	-	-	-	5	-	-	-	32
Western Piedmont CC	245	-	-	21	-	11	-	-	-	-	-	277
Wilson CC	-	-	-	1	-	14	-	-	-	-	-	15
<b>Total</b>	<b>997</b>	<b>115</b>	<b>15</b>	<b>724</b>	<b>111</b>	<b>300</b>	<b>153</b>	<b>19</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>2,424</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>4,112</b>	<b>748</b>	<b>238</b>	<b>2,412</b>	<b>136</b>	<b>1,166</b>	<b>673</b>	<b>45</b>	<b>11</b>	<b>2</b>	<b>18</b>	<b>9,561</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

3.1 & 3.2 DONATIONS	Donate Food	Tons Food Donated	Donate Reusable Goods	Tons Reusable Goods Donated
<b>UNIVERSITY</b>				
Appalachian State University	1	7	1	72
East Carolina University	-	-	1	3
Fayetteville State University	-	-	-	-
NC A&T State University	-	-	1	-
NC School of Science & Math	-	-	-	-
NC State University	1	1	1	-
UNC Asheville	1	1	1	14
UNC Chapel Hill	1	-	1	19
UNC Charlotte	-	-	1	7
UNC Greensboro	-	-	1	8
UNC Pembroke	1	1	1	1
UNC School of the Arts	-	-	1	-
UNC Wilmington	1	-	-	-
Western Carolina University	1	-	1	-
Winston-Salem State University	-	-	1	-
<b>Total</b>	<b>7</b>	<b>9</b>	<b>12</b>	<b>124</b>
<b>COMMUNITY COLLEGE</b>				
Alamance CC	-	-	-	-
Asheville-Buncombe Tech CC	-	-	-	-
Beaufort County CC	-	-	-	-
Bladen CC	-	-	-	-
Blue Ridge CC	-	-	-	-
Brunswick CC	1	1	-	-
Caldwell CC & Tech Institute	-	-	-	-
Carteret CC	-	-	-	-
Catawba Valley CC	-	-	-	-
Central Carolina CC	-	-	-	-
Central Piedmont CC	-	-	1	9
College of the Albemarle	-	-	-	-
Craven CC	1	-	1	-
Davidson County CC	-	-	-	-
Durham Technical CC	-	-	-	-
Fayetteville Tech CC	-	-	-	-
Forsyth Technical CC	-	-	3	-
Gaston College	-	-	-	-
Guilford Technical CC	1	1	-	-

3.1 & 3.2 DONATIONS	Donate Food	Tons Food Donated	Donate Reusable Goods	Tons Reusable Goods Donated
<b>COMMUNITY COLLEGE continued</b>				
Halifax CC	-	-	1	-
Haywood CC	-	-	-	-
James Sprunt CC	-	-	-	-
Lenoir CC	-	-	-	-
Mayland CC	-	-	-	-
Mitchell CC	-	-	-	-
Montgomery CC	-	-	-	-
Nash CC	-	-	-	-
Piedmont CC	-	-	1	-
Pitt CC	-	-	-	-
Randolph CC	-	-	-	-
Richmond CC	-	-	6	1
Rockingham CC	-	-	-	-
Rowan-Cabarrus CC	-	-	-	-
Sampson CC	-	-	-	-
Sandhills CC	-	-	1	-
South Piedmont CC	-	-	-	-
Southeastern CC	-	-	-	-
Southwestern CC	-	-	-	-
Stanly CC	-	-	-	-
Surry CC	-	-	-	-
Tri-County CC	-	-	-	-
Wake Technical CC	-	-	-	-
Wayne CC	-	-	-	-
Western Piedmont CC	-	-	-	-
Wilson CC	-	-	-	-
<b>Total</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>9</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>10</b>	<b>10</b>	<b>19</b>	<b>133</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

3.3 COMPOST	Sports Venue / Stadium	Dining Facility (Pre-consumer)	Dining Facility (Post-consumer)	Culinary Program	Special Events	Residence Hall
<b>UNIVERSITY</b>						
Appalachian State University	1	1	1	-	1	1
East Carolina University	-	-	-	-	-	-
Fayetteville State University	-	-	-	-	-	-
NC A&T State University	-	-	-	-	-	-
NC School of Science & Math	-	1	-	-	1	1
NC State University	1	1	1	-	1	1
UNC Asheville	-	1	1	-	1	1
UNC Chapel Hill	1	1	1	-	1	1
UNC Charlotte	1	1	1	-	1	-
UNC Greensboro	-	1	1	-	1	-
UNC Pembroke	-	-	-	-	-	-
UNC School of the Arts	-	1	1	-	1	-
UNC Wilmington	-	-	1	-	1	-
Western Carolina University	-	-	-	-	-	-
Winston-Salem State University	-	-	-	-	-	-
<b>Total</b>	<b>4</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>9</b>	<b>5</b>
<b>COMMUNITY COLLEGE</b>						
Alamance CC	-	-	1	1	-	-
Asheville-Buncombe Tech CC	-	-	-	-	1	-
Beaufort County CC	-	-	-	-	-	-
Bladen CC	-	-	-	-	-	-
Blue Ridge CC	-	-	-	-	-	-
Brunswick CC	-	-	-	-	-	-
Caldwell CC & Tech Institute	-	-	-	-	-	-
Carteret CC	-	-	-	-	-	-
Catawba Valley CC	-	-	-	-	-	-
Central Carolina CC	-	-	-	-	-	-
Central Piedmont CC	-	1	1	-	-	-
College of the Albemarle	-	-	-	-	-	-
Craven CC	-	-	-	-	-	-
Davidson County CC	-	-	-	-	-	-
Durham Technical CC	-	-	-	-	-	-
Fayetteville Tech CC	-	-	-	-	-	-
Forsyth Technical CC	-	-	-	-	-	-
Gaston College	-	-	-	-	-	-
Guilford Technical CC	-	1	1	1	-	-

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

3.3 COMPOST	Sports Venue / Stadium	Dining Facility (Pre-consumer)	Dining Facility (Post-consumer)	Culinary Program	Special Events	Residence Hall
<b>COMMUNITY COLLEGE continued</b>						
Halifax CC	-	-	-	-	-	-
Haywood CC	-	-	-	-	-	-
James Sprunt CC	-	-	-	-	-	-
Lenoir CC	-	-	-	-	-	-
Mayland CC	-	-	-	-	-	-
Mitchell CC	-	-	-	-	-	-
Montgomery CC	-	-	-	-	-	-
Nash CC	-	-	-	-	-	-
Piedmont CC	-	1	1	-	-	-
Pitt CC	-	-	-	-	-	-
Randolph CC	-	-	-	-	-	-
Richmond CC	-	-	-	-	-	-
Rockingham CC	-	-	-	-	-	-
Rowan-Cabarrus CC	-	-	-	-	-	-
Sampson CC	-	-	-	-	-	-
Sandhills CC	-	-	-	-	-	-
South Piedmont CC	-	-	-	-	1	-
Southeastern CC	-	-	-	-	-	-
Southwestern CC	-	-	-	-	-	-
Stanly CC	-	-	-	-	-	-
Surry CC	-	1	-	-	-	-
Tri-County CC	-	-	-	-	-	-
Wake Technical CC	-	-	-	-	-	-
Wayne CC	-	-	-	-	-	-
Western Piedmont CC	-	-	-	-	-	-
Wilson CC	-	-	1	1	-	-
<b>Total</b>	<b>0</b>	<b>4</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>0</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>4</b>	<b>12</b>	<b>13</b>	<b>3</b>	<b>11</b>	<b>5</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

3.4 OTHER RECYCLED	Food Waste	Used Cooking Oil	Yard Waste	Pallets / Other Wood Waste	Construction & Demolition	Metals	Electronics	Auto Batteries	Household Batteries	Textiles / Fabrics	Motor Oil	Oil Filters	Antifreeze	Tires	Fluorescent Bulbs	Printer / Toner Cartridges	Miscellaneous	Total
<b>UNIVERSITY</b>																		
Appalachian State University	79	9	300	4	32	49	3	-	-	-	3	-	-	2	1	-	36	518
East Carolina University	-	22	30	57	220	77	88	2	2	-	2	-	-	3	1	5	-	508
Fayetteville State University	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	4
NC A&T State University	-	-	34	-	-	-	16	-	-	-	-	-	-	-	1	-	-	51
NC School of Science & Math	-	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
NC State University	563	40	1,126	53	235	108	89	2	-	-	-	-	-	10	10	2	787	3,025
UNC Asheville	91	6	52	9	-	12	5	-	1	-	1	-	-	-	1	-	36	215
UNC Chapel Hill	660	20	1,893	90	19	312	119	-	9	-	10	3	-	6	11	5	39	3,197
UNC Charlotte	77	8	105	49	68	46	2	3	-	-	2	-	-	2	2	2	5	371
UNC Greensboro	128	9	12	5	114	44	29	3	-	-	1	-	-	1	1	2	147	496
UNC Pembroke	-	16	136	3	24	22	7	1	-	-	-	-	-	1	2	-	-	212
UNC School of the Arts	6	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	31
UNC Wilmington	-	-	13	-	-	116	78	-	-	-	1	-	-	-	-	2	-	211
Western Carolina University	85	-	-	-	-	17	2	-	-	-	-	-	-	1	-	-	-	106
Winston-Salem State University	-	-	71	1	-	123	-	-	-	-	-	-	-	1	-	-	-	195
<b>Total</b>	<b>1,689</b>	<b>146</b>	<b>3,788</b>	<b>271</b>	<b>713</b>	<b>954</b>	<b>439</b>	<b>10</b>	<b>12</b>	<b>0</b>	<b>20</b>	<b>4</b>	<b>0</b>	<b>29</b>	<b>29</b>	<b>19</b>	<b>1,050</b>	<b>9,174</b>
<b>COMMUNITY COLLEGE</b>																		
Alamance CC	-	2	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
Asheville-Buncombe Tech CC	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
Beaufort County CC	-	1	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	5
Bladen CC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Blue Ridge CC	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2
Brunswick CC	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Caldwell CC & Tech Institute	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Carteret CC	-	-	11	-	-	3	-	-	-	-	-	-	-	-	-	-	-	15
Catawba Valley CC	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	5

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

3.4 OTHER RECYCLED	Food Waste	Used Cooking Oil	Yard Waste	Pallets / Other Wood Waste	Construction & Demolition	Metals	Electronics	Auto Batteries	Household Batteries	Textiles / Fabrics	Motor Oil	Oil Filters	Antifreeze	Tires	Fluorescent Bulbs	Printer / Toner Cartridges	Miscellaneous	Total
COMMUNITY COLLEGE continued																		
Central Carolina CC	-	25	-	-	-	20	5	-	-	-	1	-	-	1	-	1	-	52
Central Piedmont CC	21	-	-	-	-	5	17	-	-	-	-	-	-	-	-	-	-	43
College of the Albemarle	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	6
Craven CC	-	-	-	2	-	1	8	-	-	-	-	-	-	-	-	-	-	12
Davidson County CC	-	-	-	-	-	11	5	-	-	-	-	-	-	1	-	-	-	18
Durham Technical CC	-	6	-	4	-	-	12	-	-	-	-	-	-	1	1	-	-	25
Fayetteville Tech CC	-	-	221	-	20	16	-	-	-	-	-	-	-	3	2	-	-	262
Forsyth Technical CC	-	1	-	2	2	-	-	-	-	-	5	-	-	-	1	1	-	13
Gaston College	-	-	-	-	-	-	4	-	-	-	4	-	-	-	-	-	-	7
Guilford Technical CC	-	-	60	13	5	-	1	1	-	-	1	-	-	1	-	-	-	82
Halifax CC	-	-	2	1	2	5	2	-	-	-	-	-	-	-	-	-	-	13
Haywood CC	-	-	3	1	6	12	1	-	-	-	-	-	-	-	-	-	-	24
James Sprunt CC	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Lenoir CC	-	-	10	2	-	26	-	-	-	-	-	-	-	-	-	-	-	40
Mayland CC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Mitchell CC	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	-	-	10
Montgomery CC	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	4
Nash CC	-	-	2	-	-	6	2	-	-	-	-	-	-	-	-	-	-	11
Piedmont CC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Pitt CC	-	-	-	3	-	-	3	-	-	-	1	-	-	-	-	-	-	7
Randolph CC	-	1	-	-	-	15	-	-	-	-	2	-	-	1	1	-	-	20
Richmond CC	-	-	-	2	-	9	1	-	-	-	-	-	-	-	1	-	-	13
Rockingham CC	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	3
Rowan-Cabarrus CC	-	-	-	-	-	9	1	-	-	-	-	-	-	-	1	-	-	11
Sampson CC	-	-	-	-	-	4	3	1	-	-	-	-	-	-	-	-	-	8
Sandhills CC	-	-	-	15	-	8	7	-	-	-	1	-	-	-	1	-	-	32

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

3.4 OTHER RECYCLED	Food Waste	Used Cooking Oil	Yard Waste	Pallets / Other Wood Waste	Construction & Demolition	Metals	Electronics	Auto Batteries	Household Batteries	Textiles / Fabrics	Motor Oil	Oil Filters	Antifreeze	Tires	Fluorescent Bulbs	Printer / Toner Cartridges	Miscellaneous	Total	
<b>COMMUNITY COLLEGE continued</b>																			
South Piedmont CC	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	1	-	-	7
Southeastern CC	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	5
Southwestern CC	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2
Stanly CC	-	1	-	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	6
Surry CC	-	17	-	-	-	9	1	-	-	-	-	-	-	-	1	-	-	-	28
Tri-County CC	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Wake Technical CC	-	-	-	6	-	35	24	-	-	-	-	-	-	-	-	2	-	-	68
Wayne CC	-	-	7	-	-	19	1	-	-	-	-	-	-	-	1	-	2	-	30
Western Piedmont CC	-	-	-	2	-	28	8	-	-	-	-	-	-	-	-	-	-	-	38
Wilson CC	-	-	-	-	-	26	2	-	-	-	-	-	-	-	1	-	-	-	28
<b>Total</b>	<b>21</b>	<b>56</b>	<b>354</b>	<b>62</b>	<b>36</b>	<b>285</b>	<b>132</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>17</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>10</b>	<b>8</b>	<b>3</b>	<b>1,000</b>	
<b>TOTAL – ALL SCHOOLS</b>	<b>1,709</b>	<b>202</b>	<b>4,142</b>	<b>333</b>	<b>749</b>	<b>1,239</b>	<b>571</b>	<b>15</b>	<b>12</b>	<b>0</b>	<b>37</b>	<b>5</b>	<b>2</b>	<b>38</b>	<b>39</b>	<b>27</b>	<b>1,053</b>	<b>10,174</b>	

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

4.1 TONS DISPOSED	Tons Disposed	Tons C&D Disposed
<b>UNIVERSITY</b>		
Appalachian State University	1,772	33
East Carolina University	2,724	106
Fayetteville State University	503	-
NC A&T State University	4,305	-
NC School of Science & Math	618	-
NC State University	5,025	618
UNC Asheville	446	-
UNC Chapel Hill	5,944	125
UNC Charlotte	1,983	416
UNC Greensboro	1,211	23
UNC Pembroke	1,383	24
UNC School of the Arts	313	-
UNC Wilmington	326	-
Western Carolina University	1,144	65
Winston-Salem State University	847	-
<b>Total</b>	<b>28,543</b>	<b>1,409</b>
<b>COMMUNITY COLLEGE</b>		
Alamance CC	40	-
Asheville-Buncombe Tech CC	301	49
Beaufort County CC	215	-
Bladen CC	2	0
Blue Ridge CC	33	-
Brunswick CC	142	4
Caldwell CC & Tech Institute	97	-
Carteret CC	229	0
Catawba Valley CC	84	-
Central Carolina CC	116	-
Central Piedmont CC	331	0
College of the Albemarle	201	-
Craven CC	110	-
Davidson County CC	398	-
Durham Technical CC	127	-
Fayetteville Tech CC	2,292	-
Forsyth Technical CC	110	0
Gaston College	54	-
Guilford Technical CC	150	3

4.1 TONS DISPOSED	Tons Disposed	Tons C&D Disposed
<b>COMMUNITY COLLEGE continued</b>		
Halifax CC	50	0
Haywood CC	198	5
James Sprunt CC	77	-
Lenoir CC	321	13
Mayland CC	48	-
Mitchell CC	3	-
Montgomery CC	273	-
Nash CC	125	0
Piedmont CC	25	0
Pitt CC	282	78
Randolph CC	108	2
Richmond CC	71	-
Rockingham CC	108	5
Rowan-Cabarrus CC	481	0
Sampson CC	4	0
Sandhills CC	150	0
South Piedmont CC	30	-
Southeastern CC	98	-
Southwestern CC	58	7
Stanly CC	152	4
Surry CC	37	-
Tri-County CC	7	-
Wake Technical CC	246	-
Wayne CC	227	-
Western Piedmont CC	610	208
Wilson CC	34	-
<b>Total</b>	<b>8,856</b>	<b>379</b>
<b>TOTAL – ALL SCHOOLS</b>	<b>37,399</b>	<b>1,789</b>

APPENDIX 1 - INDIVIDUAL AGENCY REPONSES

4.2 SOLID WASTE ASSESSMENT	Solid Waste Assessment	Year of Most Recent Assessment
<b>UNIVERSITY</b>		
Appalachian State University	1	2013
East Carolina University	1	2015
Fayetteville State University	1	2016
NC A&T State University	-	-
NC School of Science & Math	-	-
NC State University	1	2015
UNC Asheville	1	2015
UNC Chapel Hill	1	2016
UNC Charlotte	1	2016
UNC Greensboro	-	-
UNC Pembroke	-	-
UNC School of the Arts	-	-
UNC Wilmington	1	2014
Western Carolina University	-	-
Winston-Salem State University	-	-
<b>Total</b>	<b>8</b>	
<b>COMMUNITY COLLEGE</b>		
Alamance CC	-	-
Asheville-Buncombe Tech CC	-	-
Beaufort County CC	-	-
Bladen CC	-	-
Blue Ridge CC	-	-
Brunswick CC	-	-
Caldwell CC & Tech Institute	-	-
Carteret CC	-	-
Catawba Valley CC	-	-
Central Carolina CC	-	-
Central Piedmont CC	1	2015
College of the Albemarle	-	-
Craven CC	-	-
Davidson County CC	-	-
Durham Technical CC	-	-
Fayetteville Tech CC	-	-
Forsyth Technical CC	-	-
Gaston College	-	-
Guilford Technical CC	-	-

4.2 SOLID WASTE ASSESSMENT	Solid Waste Assessment	Year of Most Recent Assessment
<b>COMMUNITY COLLEGE</b>		
Halifax CC	1	2015
Haywood CC	-	-
James Sprunt CC	-	-
Lenoir CC	-	-
Mayland CC	-	-
Mitchell CC	-	-
Montgomery CC	-	-
Nash CC	-	-
Piedmont CC	-	-
Pitt CC	-	-
Randolph CC	-	-
Richmond CC	-	-
Rockingham CC	-	-
Rowan-Cabarrus CC	-	-
Sampson CC	-	-
Sandhills CC	-	-
South Piedmont CC	-	-
Southeastern CC	-	-
Southwestern CC	-	-
Stanly CC	-	-
Surry CC	-	-
Tri-County CC	-	-
Wake Technical CC	-	-
Wayne CC	1	2012
Western Piedmont CC	1	2016
Wilson CC	1	2014
<b>Total</b>	<b>5</b>	
<b>TOTAL – ALL SCHOOLS</b>	<b>13</b>	