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Reducing Waste in Orange County NC

What works (and doesn't work) in community recycling programs

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What is Waste & Why Do We Care?

- Waste = resources out of place.
- It's not garbage until we throw it away.
- Our landfill is filling up.
- We have a community waste reduction goal.
- Garbage is expensive.
- The environment is at stake and you can help.
- *What kinds of messages motivate a community?*



The Orange County Landfill disposes of 48,000 tons of MSW and 8,000 tons of C&D each year.
We will be 'full' in 2013 or 2014.

Why Recycle?

- Save money in reduced disposal fees.
- Reduce ecological footprint, enhance image
- Good for the economy
 - E.g. 18,000 private sector recycling related jobs in North Carolina.
- Provide re-manufacturers with feedstock.
- Purchasing products made from recycled materials supports recycling markets and businesses in North Carolina and beyond.
- It's **the LAW**: *Some regulations are local e.g. cardboard ban. Some statewide e.g. yard waste ban*

Recycling: The Economic Cycle

(Do citizens know this and does that matter?)



Here in Orange County...

Waste reduction by any means necessary!

- 61% Waste Reduction Goal – we're now at 56% --0.58 tons per person to landfill last year compared to 1991-92 baseline @ 1.36 tons/person.
- Integrated solid waste management program.
- Political and administrative support jointly with all three Towns and County.
- Progressive community = interest & ability
- High level of citizen interest & involvement in all means of waste reduction and recycling
- Vibrant reuse community= talent & opportunity

Orange County NC Recycling Program Summary

- All programs now 2-stream paper/ cans & bottles
- Urban curbside weekly. 2 bins ave = 400 lbs/hh/year or 4,00 tons/year
- Rural curbside biweekly 2 bins ave = 280 lb/hh/year or 1,800 tons/year
- Multifamily in carts ave = 170 lb/unit/year or 1,300 tons/year
- Drop off @ten sites = 5,000+ tons/year (Five unstaffed recycling only & five staffed at Convenience Centers with trash disposal too.)
- HHW Six days/week for residents & CESQGs = 110 tons/year.
- Electronics recycling = 495 tons last year
- Commercial for cans, bottles & paper at about 330 businesses + 30 stops for organics = 3,000 tons/year
- OTHER: Batteries, oil, filters, antifreeze, scrap metal, clean wood waste, salvage sheds, construction waste plan requirements, compost demo sites and bin sales, broad public education.....
- **A RECYCLING CULTURE**

Paying for Programs

- Orange County uses a 3-R Fee (reduce, reuse, recycle)
- Levied annually on property tax bill
- 2-Part fee -- BASIC FEE + PROGRAM SERVICE FEE
 - Basic = \$37/year on *all* improved properties covers education, dropoff, hazardous waste, administrative support
 - Service fee varies with service level – Urban weekly curb \$52, Rural biweekly curb \$38. Multifamily cart sites \$19. No fee for commercial (yet).
- AND revenues from materials sales \$700,000 in 2010-11
- Fee established 2003 – Predictable, Sustainable and Equitable. Replaced use of landfill tipping fees

Collection: Urban Curbside Recycling



Recycling trucks roll out EARLY.



Yohance Hayes sorts through recyclables picked up curbside.



Plastic bags are the BANE of our recycling program!



Recycle Right Curbside



Recycle Wrong!

"Binformation"

- Two bins too much to carry? We have wheel kits for sale to roll your bins to the curb. Visit our office or our website for details.
- Don't want to use a second bin? Use a brown paper bag to separate all paper from bottles, cans and jars. Stack bag on top of bin. The bag will be recycled with all paper.
- Need more room? Use any rigid plastic container similar in shape and size to a recycling bin such as a laundry basket. Additional recycling bins are available through our office.
- The recycling bins are the property of Orange County and should be left at the address to which they were issued even if you move. Write your address on the bins if it is not there already.
- Call us if you have a disability and cannot take your bins to the curb. We offer house-side collection to qualifying residents.



Drop-Off Services

24-HOUR RECYCLING SITES

Five sites located throughout the towns. Recycle same materials as at the curb, 24 hours per day, 7 days per week.

SOLID WASTE CONVENIENCE CENTERS

Five centers located throughout the county for the disposal of household garbage and bulky items, and a wide array of recycling. Orange County residents can recycle the same materials as at the curb plus:

- Motor Oil • Oil Filters • Antifreeze
- Batteries (Automotive and Household)
- Electronics such as computers and peripherals, televisions, telephones, and other data carrying electronics. Businesses can bring electronics to be recycled at the Orange County Landfill on Eubanks Rd.

Centers also provide drop-off services for

- Yard Waste • Tires • Scrap Metal • Clean Wood
- Used but useful items at Salvage Sheds

Household Hazardous Waste Collection

Open Monday-Friday 10am-6pm, and Saturday 7:30am-12 noon at the Orange County Landfill on Eubanks Rd. Bring paint, cleaning, garden and pool chemicals, automotive fluids, fluorescent lights and other items that might be hazardous from your home. Businesses that produce less than 220 pounds of hazardous waste per month may use the collection at no additional charge, though an affidavit is required. Business with more than 50 pounds at one time should call ahead for an appointment.



Visit website for locations, hours of operation, and more information.

Recycle Right!

Please prepare your recycling as described in this brochure.

CORRUGATED CARDBOARD

- 3' x 3' or smaller • 10 piece limit
 - Must be empty and flattened
 - No contamination such as food, paint or motor oil
- Large loads or over-sized boxes can be recycled at Drop-off locations. Businesses can bring corrugated cardboard to the Orange County Landfill at no cost.

SHREDDED PAPER MUST BE IN A PAPER BAG

- No more than 2 paper bags of shredded paper at a time.
 - Paper bags will be recycled with all other paper.
- Large amounts of shredded paper can be recycled at Drop-off locations.

Contamination and garbage hurt our recycling program.

- No plates, cups or other ceramics • No garbage
- No Pyrex™ or Corningware™ • No sharps or syringes
- No window glass or mirrors • No plastic tubs, cups, bags, or trays.

NO PLASTIC BAGS

- Do not use plastic bags to contain recyclables.
- Plastic bags are not collected at the curb.
- No plastic other than plastic bottles are collected at the curb.
- Brown paper bags are OK to separate paper from bottles, cans and jars.

Have your bins at the curb by 7am.

If your bins were missed on your collection day but were out by 7:00 a.m., call to report it as soon as possible.

(919) 968-2788

recycling@co.orange.nc.us

www.co.orange.nc.us/recycling

Printed on 100% de-inked, postconsumer recycled paper. ♻️

Revised December 2008

YOU CAN RECYCLE AT YOUR CURB



Orange County's URBAN RECYCLING COLLECTION PROGRAM.

Your recycling day is

7 a.m. every week



Orange County Solid Waste Management Department
Phone: 968-2788 E-mail: recycling@co.orange.nc.us

RECYCLE these items at your curb!

Bin 1 Bottles, Cans, Jugs and Jars



Plastic Bottles: Water, soda, condiment, liquor, shampoo, detergent, milk, juice & drink bottles. A bottle has a neck smaller than its base. Discard lids and rinse bottles clean. Labels OK.

NO lids, plastic toys, plastic trays, prescription containers, wide-mouth containers such as tubs, cups, or buckets. No plastic bags.



Glass Bottles & Jars: Clear, brown, green and blue. Discard lid and rinse containers clean. Labels OK.

NO dishes, cookware, light bulbs, window glass, mirror glass, pyrex, mugs, drinking glasses or ceramics.



Aerosol Spray Cans: Must be empty. DO NOT puncture or flatten. Discard plastic caps.



Metal Cans: Aluminum and steel/tin food or beverage cans. Must be empty. Labels OK. Rinse aluminum and steel, and flatten.



Aluminum Foil and Trays: Rinse any food residue.

Corrugated Cardboard

Empty. Flatten.

Pieces no larger than 3 feet by 3 feet. 10 piece limit.

Stack between, inside or under recycling bins. Pizza boxes are OK; must be completely empty.

Bin 2 All Paper



Mixed Paper: Any clean dry paper that you can tear: junk mail, office and school paper, paper bags, paper egg cartons, cereal boxes, frozen food boxes, juice and milk gable-top cartons, paper towel tubes and other single layer cardboard.

Shredded paper must be in a paper bag. Two bag limit on shredded paper.

NO tissue, paper towels, waxy or laminated paper, aseptic flat-top drink boxes or other paper that you can not tear.

Magazines and Catalogs

Inserts OK. Keep clean and dry. Remove plastic bags or rubber bands.



Newspapers

Inserts OK. Keep clean and dry. Remove plastic bags or rubber bands.



Phone Books

Keep clean and dry.



Bin 1

Combine all recyclable bottles, cans, jugs and jars. Flatten what you can to save space.

Bin 2

Combine all mixed paper, phonebooks, newspapers and glossy magazines. Secure with the elastic cord.



Remember!

Have your bins at the curb by **7:00 a.m.** on your recycling day. No plastic bags! No garbage! Bring your bins in after they have been emptied. Make sure bins are visible from street and not blocking your mailbox or trash cart. Thank you for recycling!

ORANGE COUNTY SOLID WASTE MANAGEMENT 968-2788 or recycling@co.orange.nc.us

Rural Curbside (biweekly in bins)



Collection: Multi-Family Recycling



Recycle the following elsewhere in Orange County

Bring to 24-Hour Drop-off sites and Solid Waste Convenience Centers
• Corrugated Cardboard

Bring to Solid Waste Convenience Centers only

- Household Batteries • Motor Oil • Antifreeze
- Auto & Boat Batteries • Oil Filters • Electronics

Small amounts of the following materials are also accepted in the motor oil recycling tank: kerosene, diesel fuel, gear oil, Coleman fuel and transmission fluid. **NO** gasoline, solvents, parts cleaner or mixed gas. Bring these to Household Hazardous Waste Collection.

Visit www.co.orange.nc.us/recycling/ for Drop-Off Site and Solid Waste Convenience Center hours and locations.

Household Hazardous Waste Collection

Open six days each week, Monday – Friday, 10am – 6pm, Saturday 7:30am – 12 noon at the Orange County Landfill on Eubanks Road in Chapel Hill. Bring automotive fluids, paint, pesticides, herbicides, cleaners, fluorescent tubes and other items that might be hazardous in your home. Businesses that produce less than 220 pounds of hazardous waste per month may use this collection. Call for details.

Electronic Recycling

Take working computers (Pentium III or better), to the PTA Thrift Store in Carrboro (919-656-5555) to be reused locally. Call or visit our website for a list of other charities. Unwanted or non-functional electronics, old computers and televisions can be recycled at the Orange County Landfill or any Solid Waste Convenience Center. Call or visit our website for a complete list of accepted items and hours of operation.

Reduce Waste in the First Place!

- Unwanted items in good condition can go to local thrift stores or one of the four Salvage Sheds located at the Solid Waste Convenience Centers on Eubanks Road, Ferguson Road, High Rock Road, and Walnut Grove Church Road.
- Get a "Junk Mail Terminator Card" and reduce unwanted mail.
- Bring your own bag to the store and mug to the coffee shop.
- Purchase products in bulk to save money and excess packaging.
- Avoid single use items such as disposable plates or paper napkins.
- Contact us for indoor or outdoor composting information.

Be sure to recycle right!

DO NOT LEAVE PLASTIC BAGS OR GARBAGE

If you collect your recyclables in bags, remove them from the bags before sorting them into the carts. Discard plastic bags elsewhere. Plastic grocery bags can be reused or recycled at many grocery stores but NOT AT RECYCLING SITES.

Brown paper bags can be recycled with corrugated cardboard, or in "ALL PAPER" Cart.

Shredded paper must be placed in a paper bag to be recycled with "ALL PAPER".

CORRUGATED CARDBOARD IS BANNED FROM YOUR GARBAGE!

This is corrugated cardboard and **MUST** be recycled. No pizza boxes or wax-coated boxes. Put those in your regular trash. See your manager about corrugated cardboard recycling at your complex.

DO NOT RECYCLE GLASS EXCEPT BOTTLES & JARS

No plates, cups or other ceramics • No Pyrex™ or Corningware™ • No window glass or mirrors

The 3-R Fee assessed annually to properties in Orange County funds the County's public recycling programs. The 3-R Fee is tiered based on the type of service provided. The Basic Fee pays for universal services, such as drop-off sites, electronics recycling, household hazardous waste collection and educational outreach. 3-R Fees charged in addition to the Basic Fee, fund Multifamily and Curbside Recycling and are assessed where those programs are offered. Please use your recycling site responsibly!



(919) 968-2788

recycling@co.orange.nc.us

www.co.orange.nc.us/recycling/

Revised August 2007

YOU CAN RECYCLE

Using the Multi-Family Recycling Program



...for the life of your community



Orange Community Recycling

A Division of Orange County Solid Waste Department
Phone: 968-2788 E-mail: recycling@co.orange.nc.us

Korean

오렌지 카운티에서 그 밖에 재활용
이 가능한 품목과 장소입니다.

24시간 수거센터나 쓰레기 처리장 (Solid
Waste Convenience Center) 중의 한 곳으로
가져 오시기 바랍니다.
• 골판지 박스

쓰레기 처리장에서 가져올 수 있는 품목
• 일반건전지 • 자동차오일 • 부엌용
• 자동차/보트 배터리 • 오일 필터 • 가전제품

스플리터도 아래의 물질들은 재활용 재활용 영
표에서 재활용됩니다. • 음식, 디젤유, 기어 오일, 공
만 기름 및 트랜스미션유, 가솔린, 휘발유, 부속물
세척제, 혼합 가스는 제외되며, 이러한 물질은 위험
물 수거장 (Hazardous Waste Collection) 으로 가져
가 주시면 됩니다.

www.co.orange.nc.us/recycling/ 웹사이트를 방문
하시어 상시 쓰레기장과 쓰레기 처리장 센터의 시
간 및 위치를 확인 할 수 있습니다.

가정용 위험 폐기물 수거

Chapel Hill, Eubanks Road 오렌지
카운티 매립지 - 월: 금: 오전 10시-
오후 4시, 토: 오전 7:30 - 12시 정오
사이로 운영됩니다.
화장품, 액체 페인트, 살충제, 제초제,
세척제, 향광류트 등의 가정에서의 위험할 수 있는
물질들을 가지고 오세요. 한달간 220 파운드
이하의 위험 폐기물을 영안 하는 사업체들도 이
곳 재활용 센터를 사용 할 수 있습니다. 자세한
것은 전화로 문의해 주세요.

전자제품 재활용

작동되는 컴퓨터 (프린터 등 이상)
• Cambo에 있는, PTA 참여가게
(Thrift Store, 942-6565) 로 가져
가시면 지역내에서 재활용 할 수 있습니다.
가타 전자단말기에 대해 알아 보시려면 저희 웹사이트를
방문 하거나, 전화 주세요.
필요하지 않거나, 고장난 전자제품이나 중고 컴퓨터
와 TV는 오렌지 카운티 내 매립지나 쓰레기 처리
장에서 수거합니다. 허용되는 품목과 영입 시간은
전화나 저희 웹사이트를 통해 문의 하십시오.

바르게 분리수거 합시다!

비닐 봉지나 쓰레기는 버리지 마세요
재활용품 봉지에 담으신 경우에는, 봉지를
제거하신 다음, 분리하여 수거통에 넣어 주세
요. 비닐 봉지는 다른 곳에 버려 주십시오. 비
닐 봉지는 재사용 하거나 많은 식음점에서
재활용 될 수 있으나, 재활용 장소에서는 재
활용이 안됩니다.

누런 종이봉투는 골판지와 같이 모아 "모든
종이류" 통에 넣어주세요.
잘게 분쇄된 종이는 반드시 종이봉투에 넣어
"모든 종이류" 통에 넣어주세요.

골판지는 쓰레기통에 버리지 마십시오!
이것은 골판지이니, 반드시
재활용되어야 합니다. →

피자 상자나 막스 입힌 상자는 재활용이
안되니, 일반 쓰레기와 함께 버려주세요.
골판지 재활용에 관한 문의는 여러분 지역 단
지의 관리인에게 하시면 됩니다.

유리병과 유리단지 종류를 제외한 유리를
은 버리지 마세요.

접시, 컵, 자기류, 내열유리 그릇, 유리창, 거울은
재활용이 안됩니다.

3-R 수수료는 해마다 오렌지 카운티 내 부지
의 공공 재활용 프로그램 자금으로 부과됩니다.
3-R 수수료는 제공되는 서비스 유형에 따라 달
라 책정됩니다. 기본 수수료는 처리 장소, 전자
제품 재활용, 가정용 위험 폐기물 및 교육용 총
보 등의 보편적인 서비스에 이용됩니다.
기본요금 이외의 3-R 수수료는 다가가 및,
Curbside 재활용 자금으로 사용되며, 이러한 프
로그램이 제공되는 지역에 부과됩니다. 여러분의
재활용 장소를 책임 있게 사용하시기 바랍니다
다!

다가가 재활용
프로그램으로
분리수거
할 수 있습니다



공동체의 삶을
위하여



Orange Community Recycling
오렌지군 공동체 재활용
Orange County Solid Waste
Department
오렌지 카운티 쓰레기 처리 국
전화: 968-2788 이메일:
recycling@co.orange.nc.us

Se puede reciclar lo siguiente
en el Condado de Orange

Traigalo a las ubicaciones abiertas las 24 horas
para recolección del desecho reciclable y los
Centros de Conveniencia para recolección del
desecho sólido

• Cartón Comugado

Traigalos solamente a los Centros
de Conveniencia

• Aceite de auto, calefacción y marcha
• Anticongelante
• Baterías de auto y de lancha
• Kerosene
• Filtros de aceite
• Pilas
• Carburante de diesel

Traiga los distintos líquidos en diferentes botes.

NO se puede reciclar lo siguiente: gasolina, solventes,
químicos de limpieza o gases mixtos. Traigalos a la
Recolección de Desechos Domésticos Peligrosos
(Household Hazardous Waste Collection)

Llame al (919) 968-2788 para información sobre las horas
de apertura y ubicaciones de los Centros de Conveniencia.

Recolección de Desechos Domésticos Peligrosos:
La recolección ocurre de lunes a viernes de 10 de la
mañana a 6 de la tarde y sábado 7:30 de la mañana al
mediodía cada semana en el Basural del Condado de
Orange en Eubanks Rd. en Chapel Hill. Traiga pintura,
pesticidas, solventes, tubos fluorescentes, y otras cosas
que puedan ser peligrosas en su casa. Los negocios
que produzcan menos de 220 libras (100 kilogramos)
de desecho peligroso al mes pueden usar este sitio
de recolección gratis.

Reciclaje de Productos Electrónicos

Lleve las computadoras que funcionan (Peripherals o mejor)
al PTA Thrift Store en Carrboro (942-6565). Los residentes
del Condado de Orange pueden reciclar productos
electrónicos: computadoras y periféricos, televisiones,
teléfonos, estéreos, video caseteras, asistentes personales
digitales, reproductores de CD y de DVD, radios, grabadoras
de casetes, controles remotos, bocinas, teléfonos celulares,
máquinas de fax y fotocopadoras en los Centros de
Desechos Sólidos.

¡RECICLE CORRECTAMENTE!

La contaminación y la basura lastiman
nuestro programa de reciclaje. Por favor
prepare sus materiales a reciclar como se
describe en este material informativo.

¡No deje bolsas de plástico ni basura
en los carritos de reciclaje!

Si junta los artículos para reciclar en bolsas,
sáquelos de las bolsas antes de ponerlos en
los contenedores de reciclaje correspondientes.
Tire las bolsas de plástico en otro lugar.

Las bolsas de plástico se pueden
reciclar en muchos supermercados.

**CARTÓN CORRUGADO ESTÁ
PROHIBIDO EN LA BASURA**

Esto es un cartón comugado. TIENE QUE reciclarse.

No tire aquí cajas de pizza ni cajas encoradas.
Póngalas en la basura normal. Pregúntele al
administrador de los departamentos de su
unidad sobre el reciclaje de cartón comugado.

El cartón comugado puede ser reciclado en los
lugares de entrega abiertos 24 horas o en los
Centros de Conveniencia de Desechos Sólidos.

La cuota 3-R calculada anualmente para las
propiedades en el Condado de Orange financia
los programas de reciclaje. La cuota 3R se
estima de acuerdo al servicio provisto. La cuota
básica cubre los costos por servicios generales,
como centros de desechos sólidos, reciclaje de
aparatos electrónicos y programas educativos de
alcance. Las cuotas 3-R adicionales a la cuota
básica, financian los programas de reciclaje
multifamiliar y al borde de la acera y se cobran
donde se ofrecen esos programas. Por favor use
su sitio de reciclaje de forma responsable.



**SÍ SE PUEDE
RECICLAR
EN EL SITIO DE
RECICLAJE
MULTIFAMILIAR**



**PARA LA VIDA
DE LA
COMUNIDAD!**



Orange Community Recycling
(919) 968-2788
recycling@co.orange.nc.us
www.co.orange.nc.us/recycling

Spanish

Collection: 24-Hour Drop-Off Sites



Users of the facilities, like Ray Longo (above), sort their recyclables into the large labeled containers provided at the sites.



Residents and businesses recycle more than 5,000 tons of material at drop-off sites each year. Almost all properly sorted & market ready!



Photo: Donn Young

Collection: Sorting and Processing



Toxic Reduction Improvements Program T.R.I.P.

- Hazardous Waste: Six day/week collection permanent site at Landfill. CESQGs allowed.
 - Electronics: Six sites for residents only; businesses may use landfill site only.
 - Motor oil, batteries, antifreeze, oil filters at all five convenience centers – residents only.
- = ~740 tons a year hazardous materials diverted from landfill for recycling or reuse.

HHW Six Days Week at Landfill contract service



Photos Donn Young

109 tons in
FY 10-11



Electronics Recycling at Five Convenience Centers & Landfill



Photos: Donn Young

Motor Oil, Filters, Batteries and Anti-freeze at all five convenience centers & Landfill/HHW (138 tons in FY 10-11)



Photo: Donn Young

s\Robust ReUse and Reduction Components

Salvage sheds/swap shops at four of five solid waste convenience centers.

Involvement with local businesses – reuse as a benefit and alternative where there is no recycling e.g. styrofoam peanuts or bubble wrap.

Engagement of student community and non-profits– part of local culture and integration with UNC Chapel Hill (biggest employer!)

ORANGE COMMUNITY RECYCLING PROGRAM

SALVAGE SHED

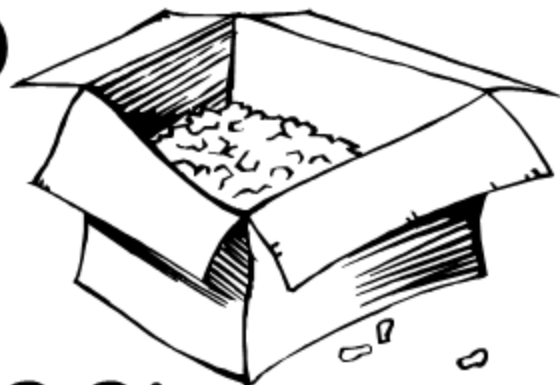
USEABLE & REPAIRABLE
FURNITURE APPLIANCES
HOUSEHOLD ITEMS



REUSE

Styrofoam Peanuts & Bubble Wrap

Bring to local packaging companies such as Carolina Packaging and UPS Stores



Empty cardboard boxes and **flatten** before recycling.
Don't leave styrofoam or any other packing material at
Recycling Drop-Off Sites.



Orange County Solid Waste Management
968-2788
recycling@co.orange.nc.us





Reduce Waste in the First Place!

• Unwanted items in good condition can go to local thrift stores or one of the four Salvage Sheds located at the Solid Waste Convenience Centers on Eubanks Road, Ferguson Road, High Rock Road, and Walnut Grove Church Road.

- Get a "Junk Mail Terminator Card" and reduce unwanted mail.
- Bring your own bag to the store and mug to the coffee shop.
- Purchase products in bulk to save money and excess packaging.
- Avoid single use items such as disposable plates or paper napkins.
- Contact us for indoor or outdoor composting information.

Recycle the following elsewhere in Orange County

Bring to 24-Hour Drop-off sites and Solid Waste Convenience Centers

- Corrugated Cardboard

Bring to Solid Waste Convenience Centers only

• Household Batteries • Motor Oil • Antifreeze
• Auto & Boat Batteries • Oil Filters • Electronics
Small amounts or the following materials are also accepted in the motor oil recycling tank: kerosene, diesel fuel, gear oil, Coleman fuel and transmission fluid. **NO** gasoline, solvents, parts cleaner or mixed gas. Bring these to Household Hazardous Waste Collection.

Visit www.co.orange.nc.us/recycling/ for Drop-Off Site and Solid Waste Convenience Center hours and locations.

Household Hazardous Waste Collection

Open six days each week, Monday – Friday, 10am – 6pm, Saturday 7:30am – 12 noon at the Orange County Landfill on Eubanks Road in Chapel Hill. Bring automotive fluids, paint, pesticides, herbicides, cleaners, fluorescent tubes and other items that might be hazardous in your home. Businesses that produce less than 220 pounds of hazardous waste per month may use this collection. Call for details.

Electronic Recycling

Take working computers (Pentium III or better), to the PTA Thrift Store in Carrboro (942-6565) to be reused locally. Call or visit our website for a list of other charities. Unwanted or non-functional electronics, old computers and televisions can be recycled at the Orange County Landfill or any Solid Waste Convenience Center. Call or visit our website for a complete list of accepted items and hours of operation.

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Be sure to recycle right!

DO NOT LEAVE PLASTIC BAGS OR GARBAGE

If you collect your recyclables in bags, remove them from the bags before sorting them into the carts. Discard plastic bags elsewhere. Plastic grocery bags can be reused or recycled at many grocery stores but NOT AT RECYCLING SITES.

Brown paper bags can be recycled with corrugated cardboard, or in "ALL PAPER" Cart. Shredded paper must be placed in a paper bag to be recycled with "ALL PAPER".

CORRUGATED CARDBOARD IS BANNED FROM YOUR GARBAGE!

This is corrugated cardboard and **MUST** be recycled. No pizza boxes or wax-coated boxes. Put those in your regular trash. See your manager about corrugated cardboard recycling at your complex.

DO NOT RECYCLE GLASS EXCEPT BOTTLES & JARS

No plates, cups or other ceramics • No Pyrex™ or Corningware™ • No window glass or mirrors

The 3-R Fee assessed annually to properties in Orange County funds the County's public recycling programs. The 3-R Fee is tiered based on the type of service provided. The Basic Fee pays for universal services, such as drop-off sites, electronics recycling, household hazardous waste collection and educational outreach. 3-R Fees charged in addition to the Basic Fee, fund Multifamily and Curbside Recycling and are assessed where those programs are offered. Please use your recycling site responsibly!



(919) 968-2788

recycling@co.orange.nc.us

www.co.orange.nc.us/recycling/

Revised August 2007

YOU CAN RECYCLE

Using the Multi-Family Recycling Program




...for the life of your community





Orange Community Recycling

A Division of Orange County Solid Waste Department
Phone: 968-2788 E-mail: recycling@co.orange.nc.us



Leaving Town?

Don't Throw it All Away!

Take these NON-TRASH items:	To these willing recipients:
Clothes, furniture and household items in good condition	PTA Thrift Shops 967-1272 Club Nova 967-6985
Unopened food and personal care items	IFC Shelter 929-6380
Furniture, clean lumber and appliances (NO mattresses)	Habitat for Humanity Call for pick up 403-8668
Mixed paper (junk mail, classnotes, cereal boxes etc.)	Orange County Drop-off Sites or recycle at the curb
Batteries, CFL's paint, hair spray, bug spray, cleaners, and other toxic materials	Hazardous Waste Collection Orange County Landfill Mon-Fri 10am-6pm Sat. 7:30am-noon
On-Campus? Look for "Tarheel Treasure" pods outside dorm buildings to collect usable goods from residence hall from April 29 through May 9! http://tarheeltreasure.unc.edu/	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>Orange County Solid Waste Management 968-2788 recycling@co.orange.nc.us www.co.orange.nc.us/recycling</p> </div> <div style="text-align: center;">  </div> </div>	

UNC STUDENT MOB

UNC STUDENT MOVEOUT

**Advertise in Student Paper
at end of academic year.**

**“The Daily Tar Heel” –
20,000 circulation**

Granville Towers Student Housing High-rise



- **Administrative buy-in**
- **Mass emails to all residents**
- **Posters on elevators**
- **“Table-talkers” in the dining hall**
- **Cooperate with local re-use agencies**
- **Community volunteers**

Before you ride out of here.... RECYCLE!



From May 2nd to May 9th

- **unused food & personal care products**
- **used but usable clothing**
- **small appliances and household items**
- **school supplies and textbooks**

**will be collected in the lobbies Granville Towers.
These items will be donated to local not-for-profits
Mixed paper and hazardous items will also be
collected for proper disposal.**



TRIM HOLIDAY WASTE!

Orange County

Solid Waste and Recycling Schedule

CHRISTMAS: Curbside Recycling will NOT be collected Thursday Dec. 25. Makeup day is Saturday December 27.

NEW YEARS DAY: Curbside Recycling will NOT be collected Thursday Jan. 1. Makeup day is Saturday January 3.

The Orange County Landfill and Solid Waste Convenience Centers will close **EARLY** at 2:00 on Dec. 24 and Dec. 31. The Landfill and Convenience Centers will be **CLOSED** Thursday Nov. 27, Thursday Dec. 25, and Thursday Jan. 1.



RECYCLE at

Orange County Drop-off Sites and at the curb!

- **Corrugated cardboard:** three layered cardboard with a wavy inner layer. Empty boxes and flatten. 3'x3', 10 piece limit at the curb. No limit at drop-off sites. Bring packing peanuts to a packaging store for reuse.

- **Mixed paper:** non-metallic wrapping paper (buy recycled), gift boxes, greeting cards (or save them for reuse), junk mail, catalogs (cancel unwanted mailing). All clean, dry paper can be recycled at the curb, multi-family and drop-off sites.

- **Aluminum foil or foil pie tins:** now accepted at the curb! Rinse off food and recycle with aluminum cans and steel food cans.

- **Batteries of all types and unwanted electronics:** recycle at Orange County Solid Waste Convenience Centers though rechargeable batteries save money and reduce waste.

- **Recycle Curbside and at Drop-offs:** glass bottles & jars, plastic bottles & jugs (neck smaller than base), metal cans, mixed paper, newspaper, phonebooks, cardboard, catalogs & magazines.



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Holiday Waste Reduction

Advertising

- Articles
 - Great time to promote reuse community
 - Guest writers

Recycling Culture

- Art using recycled and reused content.
- Engaging and employing local artists.
- Gaining commitment from industry sponsors.
- Presence at local fairs & festivals.
- Collaboration to produce 'trash free' festivals and events.

REUSE ART PROJECT

- 1991- 2000
- Cooperative funding from NC Division of Pollution Prevention and Environmental Assistance and the Orange County Arts Commission “Grassroots Grant”
- Additional money donated by recycling markets and other related organizations to sponsor local artists



“Elwood” by Jane Filer.

Made from materials found in the construction and demolition section of the Orange County Landfill.

Sponsored by the Homebuilders Association of Durham and Orange Counties, Inc.



Swamp Gator

This all-American Alligator was created from blown out tires collected on the roadside. Notice his bright eyes made from electronic components and chopstick teeth.

Both pieces created by artist Bryant Holsenbeck. Sponsored by the National Association for PET Container Resources (**NAPCOR**)



Bin in Bloom This bouquet was created from plastic containers we use everyday that can be recycled every day in Orange County.



Let's Celebrate, aka **Piece 'o' Cake** by
Gordon Jameson,

Sponsored by Paper Stock Dealers in Durham.

This cake and table sculpture is made almost entirely of paper found in the artist's household. This fancy layer cake is made of painted layers of mixed paper mache. Woven catalogs dress the corrugated cardboard table.



Mother and Baby Llama
by Jane Berman's C.W.
Stanford Middle School
sixth, seventh and eighth
grade art students. The
bodies are formed of
chicken wire stretched
over wooden frames,
covered with strips cut
from ordinary plastic
grocery bags.

Community Involvement

- Working in classrooms (we work by invitation and don't usually teach 'recycling101' any longer – no time and limited staff.) Over 50 landfill tours a year.
- Presence at local and regional fairs & festivals to:
 - promote our message,
 - help organizers plan for trash-free events and
 - provide recycling & composting services at major public or quasi-public events.
 - Provide containers & technical assistance for smaller events & private functions like weddings or road races.





The (self-styled) “Recycling Ranger” at Hillsborough Hog Day



Promoting Backyard Composting

- Compost Demonstration Sites (2)
- Composting workshops (and vermiculture too) ~ six/year.
- Ongoing sale of compost bins (slightly over cost i.e. \$50 for Earth Machine – wholesale price = \$39 (we cover a bit of transaction costs),
 - Ave. 4 sales/week from SW office. (~40,000 single family households in County → estimated 10% penetration rate over 10 years)

Compost Demo Site



Backyard Bins (\$50) and kitchen collectors (\$10/) for sale



Publicity, Education and Outreach

- Staff position specifically for education & outreach.
- Dedicated budget for advertising, printing, postage and promotional materials.
- Monthly newspaper articles, inserts in local government employee newsletters and local radio show.
- Monthly e-newsletter by subscription (~2,000 subscribers)
- Well-developed web page (information dense – appropriate to our community) including A-Z recyclery.
- Annual “Waste Matters” paper newsletter mailed to all households.
- Generic e-mail address for public questions and comments.
- Active Solid Waste Advisory Board including elected officials

**[www.co.orange.nc.us/recycling/a-
zrecyclery.asp](http://www.co.orange.nc.us/recycling/a-zrecyclery.asp)**

Promotional GiveAways



Strong Graphical Signs



Special Projects and Programs

- Semi-annual confidential paper shredding events in cooperation with law enforcement.
- Household battery collection boxes at involved retailers like Radio Shack or Whole Foods, large local retirement community, Weaver St. Mkt food coops.
- Promoting special programs like business-to-business recycling of plastic bags and film.
- Working with UNC Students to improve apartment recycling or other class projects.

Plastic Bag and Film Program



UNC students establish custom-made (note bin color) plastic bag recycling “outpost” at shopping center. Anchor grocery store services site to get more plastic for recycling with their own bags and film.

Construction Waste Reduction

- Regulated Recyclable Materials Ordinance
 - Bans scrap metal, corrugated cardboard & clean wood from landfill, requires recycling and accepts at landfill to recycle for lowered or zero rate.
 - Requires solid waste management plan for all new construction, major remodeling or demolition including space allocation for recycling at all new buildings.
 - Encourages reuse and salvage as part of demo. plans
 - Licenses all haulers and monitors adherence to bans as a condition of license. Annual Renewals.
 - Penalties for non-compliance.

Wood waste and scrap metal are banned from landfilling, BUT accepted for recycling.



Over 1,400 tons wood recovered annually.

Over 600 tons of metal recycled each
year



Recycling at Landfill

- **Clean wood** waste (banned from Orange Co. landfill, chipped & sold as boiler fuel)
- Oyster Shells banned from NC Landfills shipped back to coast for replenishing oyster fisheries
- **Scrap metal** (banned from Orange Co. landfill, segregated and sold to scrap dealers including lawn mowers, bicycles, etc.)
- **Tires** (banned from NC landfills, recycling funded by Advanced Disposal Fee - ADF)
- White goods (banned from NC landfills, recycling funded mostly by ADF and some scrap value)
- **Yard waste** (banned from NC landfills, mulched and sold at a profit at landfill)

Oyster shells, tires, white goods, yard waste -- All must be recycled **BY NC LAW!**



Summary

- County-wide goal of 61% waste reduction with broad, sustained community support since 1997.
- Integrated solid waste management program with own landfill and other programs.
- Sustainable, equitable, predictable source of recycling program funding as part of enterprise fund – 3-R Fee.
- Local ‘culture of recycling’ “It’s everywhere”.
- Support of elected officials and dedicated staff.
- Strong citizen participation and understanding.