

Solid Waste Management Plan Briefing for Town of Chapel Hill

Briefing and Request for Comments

May 19, 2008

Orange County Solid Waste Management Department

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Summary: Three Year Solid Waste Plan Update Process

- # Ten Year Solid Waste Plan updated every three years.
 - # Update due June 30, 2006 not submitted --
 - Differing opinions about what belonged in the plan.
 - Need to conduct more detailed planning process.
 - # The Towns, County and UNC strive for integrated plan.
 - # County functions as lead agency in annual reporting, recycling and disposal.
 - # We want to submit this interim plan with all governments.
 - # Final plan will follow next fiscal year.
 - # Public meeting held May 1. No comments offered.
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Why we're here

- # Submit plan to become compliant with the State statute
 - # Solid Waste Plan Work Group working on a new plan, but we need to submit an interim, while they complete their work,
 - # Interim plan, requested by the Solid Waste Advisory Board acts as a descriptive placeholder,
 - # Submittal makes us eligible for solid waste grant funds. Projected at \$2.5 million for FY 2008-09 (from \$2/ton tax).
 - # This plan describes current programs and process underway
 - # No any policy or financial changes included.
 - # We request all four local governments approve the plan.
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Overview of presentation

- # Current plan is descriptive
 - # Highlights and accomplishments of past four years,
 - # Key elements of the current plan – focus of tonight’s commentary and questions,
 - # Submittal, following Towns’ review and BOCC approval in 2008.
 - # Larger context: integrated long-term plan (expected June 2009).
 - # Focus on achieving our 61% waste reduction goal with sound, cost-effective disposal of the residual.
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Highlights of the past four years

2003-2004

- # Permanent electronics recycling program with processing warehouse**
 - # Enforcement of regulated recyclable materials ordinance (RRMO) prohibiting metal, wood and cardboard from landfill.**
 - # Passed 3-R Fee --predictable, stable, long-term recycling funding.**
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2004-2005 Highlights

- # **Carrboro automated residential waste collection** (90% of the Town).
 - # **Electronics recycling collection** at solid waste convenience centers.
 - # **Solid Waste Plan Work Group** lead long term planning process.
 - # **3-R Fee collection** began.
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2005-2006 Highlights

- # **Hazardous Waste Collection** expanded to 6 days a week.
 - # **New construction waste landfill** opened at Eubanks site, 20-year estimated life
 - # 1,600 homes added to curbside recycling from rural + urban programs.
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2006-07 Highlights

- # **48% waste reduction rate, highest ever --**
(0.711 tons/capita v. 1.36 tons in 1991-92),
 - # 1,100 homes added to curbside recycling.
 - # **Historic Roger's Road Community Enhancement Plan Development and Monitoring Task Force** created
 - # **Mixed Paper** added to curbside and apt. recycling
 - # **Two-stream recycling** (paper/cans and bottles)
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Waste Landfilled

2003-04 through 2006-07

Tons (rounded to nearest '00)

Year	MSW <u>in County</u>	MSW <u>Out-of-County</u>	Total MSW <u>landfilled</u>
2003-04	57,100	4,600	61,700
2004-05	56,000	6,500	61,500
2005-06	57,600	4,200	61,800
2006-07	57,300	5,600	62,900

Material Recycled BY Orange County

	<u>Curb</u>	<u>Drop-Off</u>	<u>Apt.</u>	<u>All Other</u>	<u>Total</u>
2003-04	4,500	5,100	1,000	2,600	13,200
2004-05	4,500	4,600	1,000	3,200	14,300
2005-06	5,000	5,100	1,000	3,600	14,700
2006-07	5,600	5,200	1,100	3,600	15,500

NOTE:

“All other” includes commercial programs, government offices and hazardous wastes (TRIP).

Orange County Waste Reduction Rate per Capita 2003-2007

North Carolina “Waste Reduction Rate” for
Orange County at:

- 2003-04 46%
 - 2004-05 46%
 - 2005-06 43%
 - 2006-07 **48%** *Our goal: 61%*
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Planning Context: Integrated plan addresses solid waste collection, disposal, reduction and recycling.

- # Collection: individual town governments and private sector. County involvement mainly convenience centers.
 - # Disposal: County function since 2000. Landfill to close 2011 and convert to transfer station.
 - # Recycling: County function since 2000. UNC has separate successful program.
 - # Reduction: education, enforcement & incentives. Led by County.
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Solid Waste Plan Activities

- # 2005 -- Solid Waste Plan Work Group to lead the plan update and move towards 61% waste reduction goal.
- # Group composition: One elected official from each government, Solid Waste & Sanitation staff, Solid Waste Advisory Board.
- # Meeting over past three years on various issues including:

Issues addressed or reviewed for this plan

- # **Materials Recovery Facility**: To build or not to build? 2008 recommendation **not** to build now,
 - # **Pay-As-You-Throw**: Not recommended by Solid Waste Plan Work Group for inclusion in current plan.
 - # **Franchising commercial waste collection**: Not cost-effective in urban areas right now v. current systems. Reduces garbage truck pollution and increases environmental oversight. Flow control potential makes franchising effective management tool.
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Issues for current plan (cont'd)

- # **Evaluation of Convenience Centers and Drop Off sites:** Collect 1/3 of public recyclables.
 - Future design?
 - More material types collected?
 - How to finance (fees or general fund or combo or other?)
 - How many sites?
 - # Should rural curb recycling expand?
 - # **Commercial Recycling:** “Low hanging fruit” needed to reach goal.
 - Survey shows desire for more public collection.
 - Staff with technical advisors working on detailed options with costs.
 - Financing not determined yet.
 - Summer '08.
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Issues for current plan (cont'd)

■ Rural residential franchised waste collection:

- Appears cost-effective
 - Reduces garbage truck pollution
 - Should it be mandatory?
 - Would it work if pay-as-you-throw fees charged at convenience centers making curbside waste collection cost equalized
 - Recommendation Fall '08.
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2008-09 proposed expansions related to plan

No 3-R Fee increase needed this year to do the following:

- # Include corrugated cardboard in curbside
 - # Add new rigid plastic items and/or injection molded plastics at drop-off sites and convenience centers,
 - # Ban CRTs and Televisions from landfill,
 - # Design convenience center for newly acquired Highway 57 site,
 - # Existing recycling system to include more commingling and less processing. Shift labor from processing to collections,
 - # Develop landfill gas-to-energy project with UNC.
(now under negotiation with UNC)
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For long-term plan for 2009. Not in current interim plan

■ Financing :

- Options to pay for expansions of services (if desired),
- How to integrate fees, taxes, revenue from materials sales, etc

■ Regulatory Approaches:

- More recycling mandates such as the existing Regulated Recyclable Materials Ordinance

■ Organic materials management:

- Continue to contract and send out of County to process? OR
 - Develop alternatives for in-County collection and processing of food waste, etc.
 - Focus mostly on large commercial?
 - Consider adding residential?
 - Need to meet reduction goal and reduce methane gas emissions.
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More Issues for consideration in long-term plan

- # Adding more materials to recycling;
 - # Changing collection containers to carts and single-stream recycling (how to pay for carts?);
 - # Residential Pay-As-You-Throw.
 - # Transfer Station siting and development
 - (Part of separate process now being led directly by BOCC, but site could include other solid waste activities.)
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Comments on plan?



Summary of Tonight

- Orange County and the Towns continued commitment to waste reduction and providing high-quality solid waste services;
 - Transfer Station siting is a separate planning effort, but new site could include other solid waste activities;
 - Request for feedback on current planning effort;
 - Ideas for the long-term integrated plan now in process of being developed and
 - **Request the Town endorse the plan for submittal to the State.**
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Next Steps for Interim Plan Submittal

- # Incorporate comments from tonight's meeting.
 - # Conduct presentations at Carrboro May 20 and Hillsborough May 27.
 - # Incorporate comments from the three Towns.
 - # Presentation to BOCC June 3.
 - # Submittal of approved plan to NC Solid Waste Section for review and approval.
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