



Town of Carrboro

Town Hall
301 W. Main St.
Carrboro, NC 27510

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Title: Update on the Town's Solid Waste Operations and Request to Authorize the Town Manager to Enter Into an Agreement for a Solid Waste Transfer Station

PURPOSE: The purpose of this agenda item is to update the Board of Aldermen on the selection of a disposal site for municipal solid waste as a result of the Orange County Landfill closing on June 30, 2013.

Indexes:

Code sections:

Attachments: [A RESOLUTION ACCEPTING THE TOWN'S SOLID WASTE OPERATIONS AND AUTHORIZING Transfer Stations Map v3](#)
[GHG Impact Comparison 2-28-13](#)

Date	Ver.	Action By	Action	Result
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TITLE:

Title

Update on the Town's Solid Waste Operations and Request to Authorize the Town Manager to Enter Into an Agreement for a Solid Waste Transfer Station

PURPOSE: The purpose of this agenda item is to update the Board of Aldermen on the selection of a disposal site for municipal solid waste as a result of the Orange County Landfill closing on June 30, 2013.

Body

DEPARTMENT: Public Works

CONTACT INFORMATION: George Seiz 918-7427, Matt Efird 918-7314

INFORMATION:

Comparative Analysis of Two Disposal Sites

The BOA was last updated about proposed changes to solid waste collection and disposal operations in December of 2012. The potential disposal at two different transfer station sites was discussed: The City of Durham Transfer Station located in the NE part of Durham, and the Waste Industries transfer station located in the SE part of Durham (See attachment B). It was noted that while it was approximately the same driving

distance to each site, the trip to the Waste Industries location has a slightly shorter travel time and a bit easier driving route.

Town staff recently solicited a quote from Waste Industries for disposal at their site. They have extended an offer of \$41.00 per ton for municipal solid waste. The proposal includes a contract for three years with two one year extensions. The pricing would be fixed for the first three years and would be negotiated during the possible extensions. The price provided by the City of Durham should we go in with Orange County would be \$42.50 per ton. Since both sites are almost the same distance and time travelled, equipment and labor costs are relatively the same, however, the tipping fee difference over a one year period is about \$10,500 less for the Waste Industries site (6,981 tons x \$1.5/ton = \$10,471.50).

Town staff also compared the environmental impact of choosing either site (See attachment C). Greenhouse Gas (GHG) calculations included the impact of hauling waste by Town vehicles to the transfer stations, and the hauling of the trash by the vendor from the transfer stations to the final disposal site at the each vendor's landfill(s). Waste Industries disposes waste at a landfill in Roseboro, NC and the City of Durham utilizes two disposal sites, one in Mt. Gilead, NC and the other in Lawrenceville, VA. The Mt. Gilead site is the primary disposal site, and the site in Virginia is used infrequently. Comparing the distance from transfer stations to landfills, The City of Durham Mt. Gilead site is farther than the WI Roseboro site, however, the distance to the other Durham site is slightly less than the Roseboro site. For analysis purposes staff assumed 90% of the waste from the City of Durham transfer station went to Mt. Gilead, and the other 10% went to Lawrenceville. When comparing the annual GHG emissions to the Town's current solid waste emissions, the overall increase is slightly less when using the Waste Industries site when compared to the City of Durham site.

Based on the comparative analysis, the Waste Industries site is the better option from a cost and environmental standpoint.

Update on Implementation of Operation Changes

Public Works is working with Planning Department staff in the development of on-line maps which will show residential route changes. As Public Works prepares to implement the changes in residential collection schedules it will be an opportune time to re-educate the public about waste reduction and recycling opportunities. The biennial solid waste brochure will be distributed to residents in May/June of 2013, and will include notification about collection day changes and recycling. A new solid waste front loader truck is on order.

FISCAL IMPACT:

The staffing and equipment needs are the same regardless of the Transfer Station site selected. The fuel used to haul waste to the Waste Industries site is approximately 600 gallons per year less than to the City of Durham site, a difference of about \$2,000. The tipping fees at the Waste Industries site are \$1.50 per ton less than the City of Durham, a difference of about \$10,500.

The total contract cost with Waste Industries is estimated at \$286,220 per year for the first three years

compared to \$296,692 for the City of Durham.

RECOMMENDATION:

Staff recommends the Board of Aldermen adopt the attached resolution (Attachment A) accepting this report and authorizing the Town Manager to execute a contract with Waste Industries for a period of three years with two one-year extension options.