REQUEST FOR BOARD ACTION

HENDERSON COUNTY BOARD OF COMMISSIONERS

MEETING DATE:	May 21, 2008
SUBJECT:	2008 Twenty Year Vision Presentation Henderson County Solid Waste
ATTACHMENTS:	Yes 1. Executive Summary 2. Presentation

SUMMARY OF REQUEST:

The County's Strategic Plan in Strategy 4.4 (Address solid waste management issues including recycling and upcoming pertinent solid waste legislation) and under the leadership of Katie Breckheimer, chairperson, the Solid Waste Advisory Committee and staff have developed the attached twenty year plan for Henderson County Solid Waste. The plan details the importance of investing and developing recycling in Henderson County and developing the partnership with the County's permitted private haulers. While the challenges ahead for Solid Waste are significant, the plan provides a path that meets the challenges and maintains Solid Waste operations as an enterprise fund separate from the general fund.

BOARD ACTION REQUESTED: For the Board's consideration, discussion and direction on the Twenty Year Vision for Solid Waste in Henderson County.

Suggested Motion:

I move that the Board of Commissioners approve the 2008 Twenty Year Vision for Solid Waste (as revised or amended).



HENDERSON COUNTY ENGINEERING

Twenty Year Vision for Henderson County Solid Waste

Executive Summary

An effective Solid Waste Department is essential to providing a quality standard of living to the Citizens of Henderson County. Without it, we risk health challenges, unmanageable costs, and harm to our environment. Effective Solid Waste Management is a very important part of Growth Management. Henderson County Solid Waste is providing this effectiveness through a focus on the following: Value, Compliance and Environmental Stewardship. The 2008 Twenty Year Vision for Solid Waste outlines the solutions to continue and improve on the Department's focus.

The solution to moving forward over the next twenty years is not a new revolutionary process, but is our current process with a new perspective. Our current operation needs to be refined to create greater efficiencies and cost savings. There is no new technology on the solid waste horizon that is both feasible and proven. Furthermore, the challenges grow every year. We face increasing costs in operation from skyrocketing fuel costs to more aggressive regulation from the State. However, we must still provide excellent customer service and value to our rate payers and the Citizens of Henderson County. The two aspects of our Solid Waste efforts that provide the most potential are the County's private haulers and recycling.

Henderson County Solid Waste is an enterprise fund separate from the general fund and property taxes. The Solid Waste Capital Improvement Plan developed this year indicates that it is possible to continue into the future as a self-supported County function. This is not the case for many solid waste operations and the significant difference between Henderson County and the others is our partnership with the existing network of private haulers. The County's solid waste collection is done largely by private enterprise available to residents as an alternative to transporting their waste to the County facility. Collection of solid waste is expensive and private enterprise and the laws of supply and demand are a potential way to control costs. We need to continue this partnership and help the collection network when possible.

In addition to the private haulers, the most potential for overcoming increasing cost and achieving compliance is recycling. Recycling is no longer just an environmental stewardship opportunity, it is a process that removes material from our waste stream, reduces disposal costs and generates revenue. While the recycling markets fluctuate, there is notable indication recycling will continue to provide an effective means of reducing disposal costs and generating revenue. The recycling markets and number of end users for recycled products have grown into a strong industry. Furthermore, effective recycling efforts are continuing to be a necessary tool in maintaining compliance with current and new State regulations.

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Twenty Year Vision Henderson County Solid Waste





Overview

Solid Waste Team
Current Process
Challenges
Solutions
Timeline



Solid Waste Team

- Henderson County Citizens
- County Officials, SWAC and Staff
- Municipalities
- Private Haulers
- Land of Sky Regional Council & Regional Solid Waste Group
- DENR Solid Waste Management Division
- Consultants
- Enerdyne (Landfill Gas Contractor)
- Contractors
- Recycling Markets



Current Process

- Collections
- Disposal
- Recycling
- HHW / Electronics
- Compliance



















Current Process









Challenges

- Pre FY08 Landfill Bans on Aluminum & Cardboard
- Fuel Costs, see next slide
- FY09 Construction & Demo Landfill Closure
- FY09 Senate Bill 1492
 - Solid Waste Disposal Tax
 - Significant Increase in Permit Fees
 - State Ban on Plastic Bottles, Oil Filters, Electronics, etc.
- FY10 Contract for Transportation / Disposal







Solutions Currently no "Silver Bullet" -Landfill: expensive & location -Incinerator: expensive & environmental challenges Need New Perspective on **Current Processes: Recycling &** Collections



Solution: Recycling Solid Waste Transfer Expense: **\$34** / Ton Recycling Revenue: \$100 / Ton for Fiber **\$30** / Ton for Mixed Containers (less transportation costs, no investment)





Price Trends for Fiber Since 2000

Source: North Carolina Department of Pollution Prevention and Environmental Assistance



Waste Stream Composition in Henderson County for '08 Fiscal Year (incomplete)



Source: North Carolina Department of Pollution Prevention and Environmental Assistance



Solution: Recycling Compliance -Landfill Bans on Aluminum, Cardboard, Plastic Bottles, Oil Filters and Pallets –Implementation of Bans Internal Operations Permitted Partners



Solution: Recycling Environmental Stewardship Recycling Coordinator Maximize Recycling Revenue Education / Outreach Operational Efficiencies Developing Markets



Solution: Collections

Expansion of Collections for Solid Waste and Recycling

 Develop more Convenience Sites and / or

Develop Partnership with Haulers



Solution: Details

-FY08 Hauler's Forum

- Success partially depends on Haulers
- What can HCSW do to help?

-FY09 Feasibility Study
• Recycling Technology
• Collection Options



- FY08: Complete 10 year Capital Improvement Plan
 - Remain Enterprise Fund
 - Finance Planned Site Improvements
- FY08: Twenty Year Vision

• FY08: Establish Forum with Permitted Haulers



FY09 Feasibility Study

- Recycling Technology
- Collection Options
- FY09 to FY12 Implementation of Collection Option(s)
 - Develop more Convenience Sites and / or
 - Develop Partnership with Haulers



- FY09 Implement HHW / Electronic Recycling Center
- FY10 Implement Feasible Recycling Technology and Site Improvements
 - School Bus Garage
 - Stoney Mountain Recreation Center
- FY10 Rebid MSW Transportation / Disposal Contract for Transfer Station



Future:

- -Waste to Energy Technology
- -C&D Reclamation
- -Composting Operations
- Continue to Survey industry for alternative technology for recycling and disposal



Conclusion

Improve and Grow Recycling

Develop Collection System



Questions?

Thank You



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