CITY OF COLUMBIA
ROLL CART REPORT

CITY COUNCIL PRESENTATION MAY 7, 2012
Public Works Department
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Presentation Highlights

- Review Solid Waste History
- What are roll carts
- Collection vehicles
- Advantage and disadvantages
- Financials
- Timeline

Collection History

- Early 1970's went from trash cans to bags

- Added yard waste and recycling bags, 1991 and 1998 respectively

- Service has unlimited quantity collection

- Items are manually collected now with two man rear loaders

What are Roll Carts?

Collection Vehicles

Advantages

- Can be implemented with no rate increase

- It is essentially a pay as you throw system (PAYT)

- Automated trucks mean employees may be able to work longer hours or for more years

- Alternative energy like compressed natural gas (CNG) to replace diesel powered vehicles

Advantages (continued)

- Workers compensation insurance is reduced

- Animals getting into bags and scattering trash will be eliminated

- Service tracking and customer notification are features that could be implemented

- Flexible future scheduling is possible, e.g. 4-ten hour days

- Work can be performed during weather extremes heat and cold

Disadvantages

- Carts may remain at the curb

- Bulky items will not fit into carts

- Carts will be lost or stolen

- Yard waste collection is more difficult when considering placing limbs in roll carts and seasonal quantities of items such as grass and leaves

Disadvantages (continued)

- Curbside parking could be an issue

- Landfill is only approved to accept yard waste for a total of 12 years

- Residents will continue to use bags they purchase in addition to roll carts

- Carts get dirty and need to be cleaned (health dept./sanitation issue?)

Financials

- Capital cost to implement $5,860,000

- Current monthly fee is $15.42

- FY 2011 residential trash only monthly collection cost was $9.18

- Estimated trash only roll cart monthly cost would be $8.30

Financials, Continued

- Lease or lease purchase options are available

- Trucks or carts can be leased together or separately

Timeline

Fiscal Year 2013

Events	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Set	Oct
Ordinance Change for Automated collection					■								
Installation of CNG fueling station	■	■	■	■	■	■	■	■					
Send out Bids For Trucks	■												
Send out bids for roll-carts	■												
Get Bid back for trucks		■											
Get Bids back for roll-carts		■											
Contract for trucks		■											
Order trucks		■											
Contract for rollcarts cart placement			■										
Order carts			■										
Truck Start to Arrive								■	■	■	■	■	
Carts start to arrive						■	■						
Contract to have the carts put together/Placement								■	■	■			
Deploy roll-carts to residents											■	■	
Set up Community Education Meetings										■	■	■	
Meet with the Community										■	■	■	
Set up medical accommodations for residents										■	■	■	
Train employee's on truck automation											■	■	
Begin Automated Collection with Roll Carts for trash													■