

Proposed Solid Waste Management Programs

Board of County Commissioners
Workshop
March 22, 2007

DEPARTMENT OF
SOLID WASTE OPERATIONS



Purpose

Seeking BCC direction on 3 proposed programs:

- **Beach Recycling**
- **Countywide Litter Control**
- **Countywide Curbside Recycling**



Beach Recycling



- County's greatest asset – 2 of top 10 beaches in US
- Tourism is #1 industry – 13 million visitors annually
- Currently no beach recycling program
- Favorable results from pilot program

Pilot Program Results

- Up to 40% of waste recycled
- Over 99% of beachgoers want to recycle (survey of 311 beachgoers)



- Valuable lessons learned – containers, contamination, public visibility, etc.

Program Components



- **Recycle commingled cans & bottles**
- **200 recycling containers with customized signage**
- **Enclosures for recycling dumpsters**
- **In cooperation with County Parks & Recreation and cities**
- **Possible phase-in approach**

Program Benefits

- **Pilot project shows public supports beach recycling & will participate**
- **“Green” message to residents & tourists**
- **Good stewards of our beaches**
- **Conserve resources & disposal capacity**
- **Partnership with cities**



Estimated Cost

Start-up Costs **\$500,000 - 600,000**

(equipment, containers, site preparation, signage, etc.)

Annual Operating Costs **\$60,000 - 70,000**

(labor, transport costs)

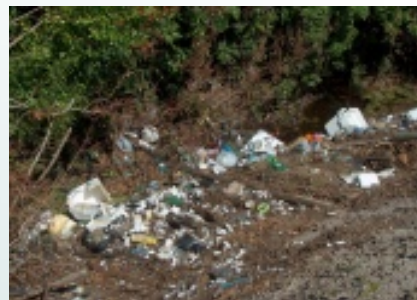


Funding Source -
solid waste revenues

Countywide Litter Control



- **Current efforts are fragmented**
- **Litter has no boundaries – need countywide unified approach**



Current Activities

- **County roads clean-up & street sweeping (Public Works)**
- **Great American Clean-up, Coastal Clean-up & other events (KPB & cities)**
- **Adopt-A-Mile & Adopt-A-Shore programs (KPB)**
- **Adopt-A-Highway program (FDOT)**
- **Litter collection near solid waste facility (DSWO)**
- **Litter ordinances and outreach efforts vary by jurisdiction**

Program Components

- Augment ongoing successful efforts by working with KPB
- Work with successful City/County programs
- Possible phased-in approach
- Cleanup Programs: litter response team, hotline, increased “adoptions” & volunteer participation
- Outreach & Education: countywide campaign, increase school & public presentations
- Ordinance: possible countywide ordinance
- Measurement & Monitoring: qualitative & quantitative, measure cost-effectiveness



Program Benefits

- **Countywide beautification**
- **Community pride & stewardship**
- **Requested by citizens**
- **“Green” message to residents & visitors**
- **Contributes to Strategic Plan:**
 - **TUS-G-3, Enhance existing transportation system (Goal)**
 - **TUS-3.13, Develop countywide beautification plan (Strategy)**



Estimated Cost

Start-up Cost	\$700,000 – 800,000
Ongoing Annual Cost	\$500,000 – 600,000



Countywide Curbside Recycling



- Approximately 2/3 of residents countywide do not have curbside recycling
- WTE facility at capacity
- Curbside recycling is an integral part of comprehensive solid waste management
- 5x more recyclables collected with curbside recycling than with drop-offs
- Of the 12 most populated Florida counties, only Pinellas lacks curbside recycling

Program Components



- Residential services (once per week)
- Unincorporated county
- Fund city programs
- 2-3 years to implement

Benefits



- **400% increase in residential recyclables in areas currently without curbside**
- **Conserve disposal capacity**
- **Requested by residents**
- **Facilitates environmental stewardship & resources conservation**
- **Markets are strong – \$30+/ton received by many cities/counties**

County Strategic Plan

**TUS-G-7, Improve solid waste collection
in areas of need (Goal)**

**TUS-7.2, Expand curbside recycling
through franchising (Strategy)**

Estimated Collection Cost

Without revenue for recyclables	\$8 – 10 million
Assuming ~\$30/ton in revenue	\$6.5 – 8 million

*In comparison,
garbage collection is
estimated to cost
~\$65 million/year*



Summary of Proposed Program Estimated Costs

- **Beach Recycling**

Start-up \$500,000-600,000
Ongoing \$60,000-70,000



- **Litter Control Program**

Start-up \$700,000-800,000
Ongoing \$500,000-600,000



- **Countywide Curbside Recycling**

\$8-10 million (less if revenue received for recyclables)



Summary of Benefits

- Programs requested by citizens
- Improve County's appearance
- Enhance County's "Green" designation
- Increase recycling & conserve disposal capacity
- Consistent with County's Strategic Plan



Next Steps

- **Proceed with Beach Recycling Program**
- **Seeking BCC direction to develop more specific plans on Litter and Curbside Recycling**
- **Each program will require further BCC action before implementation**