

5 – YEAR SOLID WASTE MANAGEMENT PLAN OUTLINE NOVEMBER, 2002

SOLID WASTE COMPONENTS

- **Funding Plan**
- **Collection Systems at Transfer Stations**
- **Reuse and Recycling Program**
- **Waste Reduction and Landfills**
- **Illegal Dumping**
- **Other Council Action**

GOALS

Funding Plan

- To recover 50% of Solid Waste Funds expenses through the commercial tipping fee.
- To become financially self-sufficient within 15 years.
- To measure cost-effectiveness with a 20-year view.
- To be efficient in all of our operations.

Collection Systems at Transfer Stations

- To maximize convenience to the public.
- To operate a single landfill.

Reuse and Recycling Program

- To aggressively develop economic opportunities for reuse and recycling by establishing incentives for all reuse and recycling efforts.

Waste Reduction and Landfills

- To divert 25% from any landfills by Dec. 2003, 30% by 2004 and 50% by 2008.
- To divert 80% from the landfill within 10 years.
- To develop targeted funding for all.

Illegal Dumping

- To substantially decrease illegal dumping within 3 years.
- To always continue towards the elimination of illegal dumping.

Other Council Action

- To work closely with the County Council to achieve countywide beneficial goals.

STRATEGIES

Funding Plan

- Increase commercial tipping fees incrementally over 5 years. Establish 15% of tipping fees to fund diversion and recycling programs.
- Increase solid waste reduction education and promotion budget.
- Review Solid Waste fair-share contributions as part of construction and/or demolition permitting processes.
- Reduce delinquencies in collection of fees.
- Establish a residential solid waste fee as part of Real Property Tax Billing.
- Establish a fee system to fund State of Hawai'i surcharge for refuse disposal.
- Establish commercial tipping fees, at reduced rates, for clean loads of greenwaste, when taken to an organics-only facility.
- Update existing fee system as necessary for vehicle (metal, tire, battery, etc.) removal and disposal program, including abandoned vehicles, to maintain financial self-sufficiency.
- Increase funding for diversion grant program.
- Establish a vehicle deposit, to be added into first time vehicle registration.
- Establish a vehicle buy-back, to avoid abandoned vehicles.

Collection System at Transfer Stations

- Provide staffing at selected stations.
- Establish coupon system for commercial haulers at staffed stations.
- Provide recycling opportunities for greenwaste, scrap metal, glass, and paper.
- Collection of Household Hazardous Waste at Hilo and Kona transfer stations. Add Waimea Household Hazardous Waste Collections when possible.
- Provide collection of used residential motor oil, tires and batteries at staffed stations.
- Incorporate beverage deposit collection at transfer stations as deemed necessary by State and County.

Reuse and Recycling Program

- Establish organics diversion program (greenwaste, commercial food scraps, fish waste, biosolids, other organic wastes) in East and West Hawai'i.
- Maintain a self-sufficient metal recycling program.
- Include greenwaste, metal, glass and paper recycling in SORT operations.
- Establish a Recycling and Reuse Enterprise Park at Pu'uuanahulu Landfill.
- Establish an ongoing public conversation through the Environmental Management Commission to explore and promote economic opportunities through reuse and recycling.
- Establish East and West Hawai'i construction and demolition recovery facilities by 2005.
- Provide and/or promote economic/legislative incentives for private recycling efforts.
- Provide technical and/or financial assistance to promote recycling efforts.

Waste Reduction and Landfills

- Apply to State Department of Health for vertical expansion at Hilo landfill.
- Establish a privately operated Sort Station in East Hawai'i in 2004, at least 3 months before landfill is full.
- Begin closure of the Hilo Landfill when capacity is reached.
- Establish an operating Municipal Solid Waste reduction facility for the County by 2007.
- The waste reduction facility shall meet or exceed the following criteria:
 - Shall be capable of accepting all Municipal Solid Waste.
 - Shall be capable of significant reduction of all waste.
 - Shall be flexible to accommodate future needs of Hawai'i County.

- Shall operate in an environmentally benign manner, capable of meeting all present and future State and Federal regulations.
- Shall be privately constructed and operated.
- Shall be economically viable.
- Shall include appropriate maintenance and operating provisions to minimize impacts to our landfill and transportation operations.
- Shall include provisions to transport and/or dispose of residues that cannot be placed in a municipal landfill.
- Shall not interfere with or degrade existing public or private recycling efforts.

Illegal Dumping

- Establish an island-wide bulky-waste drop-off program.
- Establish an island-wide bulky waste pick-up program.
- Continue to provide convenient waste disposal to all residents and visitors.
- Review Hawai'i County Code on penalties for dumping.
- Review enforcement options.

Other Council Action

- Establish County policy to encourage reuse and recycling. To also establish a County-wide goal of 50% diversion from the landfills in 5 years and 80% within 10 years. Ultimately our goal needs to be Zero-Waste.
- Increase in commercial tipping fees.
- Illegal dumping initiatives.
- Funding for diversion programs, in the short-term to provide long-term savings.
- Greenwaste ban at transfer stations and landfills.
- Instituting any new fees for mixed solid waste.
- Other landfill bans as necessary.

IMPLEMENTATION SCHEDULE

Solid Waste Component	Year 1 2003	Year 2 2004	Year 3 2005	Year 4 2006	Year 5 2007
Funding Plan	<ul style="list-style-type: none"> ➤ Increase commercial tip fees ➤ Increase education & promotion budget ➤ Review fair share contributions in permitting process ➤ Reduce delinquencies in fee collection ➤ Establish reduced tip fees for clean commercial greenwaste ➤ Update abandoned vehicle fees ➤ Increase funding for diversion grant program 	<ul style="list-style-type: none"> ➤ Establish fee system to fund State of Hawaii surcharges for refuse disposal 	<ul style="list-style-type: none"> ➤ Establish vehicle deposit system ➤ Update Highway Beautification fees. ➤ Review and update fees as necessary 	<ul style="list-style-type: none"> ➤ Establish residential Solid Waste fee system. ➤ Review and update fees as necessary 	<ul style="list-style-type: none"> ➤ Establish vehicle buy-back ➤ Review and update fees as necessary
Collection System At Transfer Stations	<ul style="list-style-type: none"> ➤ Begin staffing selected centers. ➤ Provide ongoing recycling opportunities. ➤ Continue ongoing Household Hazardous Waste Collections 	<ul style="list-style-type: none"> ➤ Establish coupon system for commercial haulers at staffed centers ➤ Provide collection of motor oil at staffed locations 	<ul style="list-style-type: none"> ➤ Continue to fine-tune collections ➤ Provide collection of tires & batteries at staffed locations ➤ Incorporate beverage deposit collections as necessary 	<ul style="list-style-type: none"> ➤ Continue to fine-tune collections ➤ Add Waimea Household Hazardous Waste Collections 	<ul style="list-style-type: none"> ➤ Continue to fine-tune collections ➤ Establish bulky waste pick-up program
Reuse and Recycling Program	<ul style="list-style-type: none"> ➤ Maintain self-sufficient vehicle & metal recycling program ➤ Collections of greenwaste, metal, glass, & paper included in Sort operations ➤ Explore/promote recycling opportunities with Commission ➤ Establish organics diversion program in East and West Hawai'i 	<ul style="list-style-type: none"> ➤ Begin providing & promoting economic/legislative incentives for private recycling efforts 	<ul style="list-style-type: none"> ➤ Begin providing technical and/or financial assistance ➤ Establish Construction & Demolition recovery 	<ul style="list-style-type: none"> ➤ Open recycling and reuse park at Pu'uana'hulu Landfill 	
Waste Reduction & Landfills	<ul style="list-style-type: none"> ➤ Apply for vertical expansion at Hilo landfill 	<ul style="list-style-type: none"> ➤ Open Sort station in East Hawai'i 	<ul style="list-style-type: none"> ➤ Close Hilo Landfill 		<ul style="list-style-type: none"> ➤ Open Municipal Solid Waste reduction facility.
Illegal Dumping	<ul style="list-style-type: none"> ➤ Continue convenient waste disposal ➤ Establish bulky waste drop-off program 	<ul style="list-style-type: none"> ➤ Review HCC for penalties and enforcement options 			<ul style="list-style-type: none"> ➤ Establish bulky-waste pick-up program