

**COLLIER COUNTY
GROWTH MANAGEMENT PLAN**

**PUBLIC FACILITIES ELEMENT
Solid Waste Disposal Sub-Element**

Prepared by
Collier County Planning and Zoning Department
Comprehensive Planning Section

Prepared for
COLLIER COUNTY BOARD OF COUNTY COMMISSIONERS
Adopted October, 1997

**AMENDMENTS TO COLLIER COUNTY GROWTH MANAGEMENT PLAN
PUBLIC FACILITIES ELEMENT
Solid Waste Disposal Sub-Element**

<u>SYMBOL</u>	<u>DATE AMENDED</u>	<u>ORDINANCE NO.</u>
	May 25, 1993	93-24
	October 28, 1997	1997-60 **
(I)	January 25, 2007	2007-12 ***
(II)	January 8, 2013	2013-08 ****

The parenthesized Roman numeral symbols enumerated above appear throughout this Sub-Element and provide informational citations to adopted documents recorded in the Official Records of Collier County, as required by Florida law. These symbols are for informational purposes only, meant to mark entries amended after the 1997 adoption of the full Sub-Element and typically found in the margins of this document, but are not themselves adopted.

* Indicates adopted portions.

** This is the EAR-based amendment (1996 EAR). Due to the magnitude of the changes – which included reformatting the entire Element, affecting every page of the Element – a Roman numeral is not assigned. Similarly, amendments made by Ordinance No. 93-24 are no longer denoted on the pages of the Sub-Element with Roman numeral symbols.

*** Based on 2004 Evaluation and Appraisal Report (EAR).

**** Based on 2011 Evaluation and Appraisal Report (EAR).

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I. INTRODUCTION

- (l) The Solid Waste Sub-Element establishes a policy framework for Collier County's current solid waste management facilities and provides general direction for the further development of the County's solid waste management system in the future. The purpose of the Solid Waste Sub-Element is to assure the provision of cost effective and environmentally safe disposal of solid waste for the present and anticipated future residents of Collier County. The proper collection, processing, and disposal of solid waste is important to the health, safety and welfare of all Collier County residents. Improper disposal of solid and/or hazardous waste can contaminate drinking water or expose residents to environmental and public health risks.
- (l) In addition to the safe and environmentally sound collection, processing and disposal of residential and commercial solid waste, the Solid Waste Sub-Element also contains provisions related to: monitoring for potential environmental impact pursuant to State and Federal rules and regulations and the associated permit conditions; the collection and disposal of hazardous materials; the County's recycling programs; and, solid waste recovery programs.

(l) = Plan Amendment by Ordinance No. 2007-12 on January 25, 2007

(II) **GOALS, OBJECTIVES AND POLICIES**

(I)(II) **GOAL:**

TO PROVIDE AN EFFICIENT AND ECONOMICAL BALANCE OF PUBLIC AND PRIVATE SERVICES THAT WILL ENABLE THE PEOPLE OF COLLIER COUNTY TO MEET THE ESTABLISHED REQUIREMENTS FOR SOLID WASTE DISPOSAL AND MANAGEMENT IN A MANNER THAT ASSURES PUBLIC HEALTH AND SAFETY AND PROTECTS THE ENVIRONMENTAL RESOURCES OF COLLIER COUNTY.

IN ALL ASPECTS OF SOLID WASTE MANAGEMENT, TO ADHERE TO THE FOLLOWING ENDURING GUIDING PRINCIPLES APPROVED BY THE COLLIER COUNTY BOARD OF COUNTY COMMISSIONERS AT THE INTEGRATED SOLID WASTE MANAGEMENT STRATEGY WORKSHOP OF DECEMBER 2006:

- ENVIRONMENTAL AND GROWTH MANAGEMENT COMPLIANCE – ENVIRONMENTAL COMPLIANCE MEANS MANAGING THE IMPACTS TO THE AIR, SOIL, WATER, AND WILDLIFE AS WELL AS “QUALITY OF LIFE” IMPACTS TO THE COMMUNITY SUCH AS AESTHETICS, ODOR, NOISE, AND TRAFFIC AND GROWTH MANAGEMENT COMPLIANCE MEANS SATISFYING THE GROWTH MANAGEMENT REQUIREMENTS REPORTED IN THE ANNUAL UPDATE AND INVENTORY REPORT FOR BOTH LINED AND PERMITTED DISPOSAL CAPACITY;
- AIRSPACE PRESERVATION - AIRSPACE PRESERVATION MEANS MANAGING SOLID WASTE UPSTREAM FROM DISPOSAL AS A MEANS TO EXTEND THE REMAINING AIRSPACE (DISPOSAL) CAPACITY AT THE COLLIER COUNTY LANDFILL;
- OPERATIONAL EXCELLENCE - OPERATIONAL EXCELLENCE MEANS OPTIMIZING THE OPERATIONS OF OUR ASSETS SUCH AS THE COLLIER COUNTY LANDFILL AND OUR RECYCLING CENTERS AS WELL AS THE PROGRAMS ADMINISTERED BY THE PUBLIC UTILITIES DIVISION; AND
- BEST VALUE SERVICE - BEST VALUE SERVICE MEANS THAT THE SERVICES OFFERED IN THE COUNTY REFLECT LOCAL AND REGIONAL CONDITIONS AND THAT THE VALUE OF SERVICE IS APPROPRIATELY BALANCED WITH THE COST OF SERVICE. A COMPONENT OF BEST VALUE SERVICE IS THAT THERE IS A DIRECT CORRELATION BETWEEN THOSE THAT RECEIVE THE BENEFITS AND THOSE THAT PAY FOR THE SERVICES.

(I)(II) **OBJECTIVE 1: (COLLECTION)**

Maintain a safe, dependable and efficient solid waste collection system.

Present facilities meeting the current Level of Service include two (2) franchise collection areas and five Recycling Centers, as follows:

- a. Unincorporated County service area;
- b. Immokalee service area; and,

- c. Five (5) Recycling Centers;
 - 1. Naples Recycling Center
 - 2. Marco Recycling Center
 - 3. Carnestown Recycling Center
 - 4. Immokalee Recycling Center
 - 5. North Collier Recycling Center

(I)(II) **Policy 1.1:**

The County shall continue to maintain and regulate commercial, multi-family and tax-bill based residential collection costs to ensure efficient and dependable service affordable to all users.

The primary components of a solid waste collection assessment are:

- 1. Franchisee Contract
- 2. Tipping Fees
- 3. Administrative and Capital Program Costs

(I) **Policy 1.2:**

The County shall retain its mandatory collection ordinance Number 2005-54, as amended, and the mandatory commercial recycling ordinance Number 2004-50, as amended.

(I) **Policy 1.3:**

The County shall continue to evaluate economic transfer and disposal systems including the use of full-service recycling centers.

(I)(II) **Policy 1.4:**

The County shall ensure public awareness and participation in solid waste recycling, reuse, waste reduction, household hazardous waste collection and disposal.

(I)(II) **OBJECTIVE 2: (DISPOSAL)**

Utilize safe and efficient methods for environmentally sound disposal of solid waste in accordance with local, State and Federal regulations and investigate improved methods and implement practices that meet this Objective.

(I) **Policy 2.1:**

The County shall continue to monitor groundwater as required by the regulatory permit conditions for the operation of the landfill and in compliance with State and Federal rules and regulations.

(I) **Policy 2.2:**

The County shall continue to maintain leachate and gas management systems at County landfills in order to comply with permit conditions.

(I) **Policy 2.3:**

The County shall continue to pursue State and Federal grants for, and participation in, feasibility projects for the development and investigation of improved techniques for landfill operations and alternative methods for solid waste disposal.

(I)(II) **Policy 2.4:**

The County shall pursue the acquisition of land inventory required for future solid waste operations, based upon selection of, including but not limited to, one or more of the following options in order of priority:

1. Develop the means to partially or completely divert solid waste from the landfill (additional recycling or alternative forms of disposal).
2. Increase the permissible elevation of the Collier County Landfill so as to gain additional airspace capacity.
3. Explore emerging conversion technologies that would allow for continued solid waste disposal operations within Collier County.
4. Secure and utilize additional capacity at a landfill or landfills.

(I)(II) **Policy 2.5:**

The standards for levels of service (LOS) of County solid waste disposal facilities appear in Policy 1.5; subsection "F" in the Capital Improvement Element and shall be used as the basis for determining the availability of facility capacity and the demand generated by a development.

[Note: A portion of the above Policy was revised as part of 2011 EAR-based amendments, removed from this "parent" Sub-Element of origin and relocated into the CIE. The parenthesized Roman numeral symbols remain at this location as historical reference, but may no longer apply to the entry as it now appears.]

(I) **Policy 2.6:**

The County shall annually define the cost of continued solid waste collections and disposal within the County over the next 5, 10 and 20 year time periods taking into consideration all operating and capital costs.

(I) **Policy 2.7:**

The County shall promote public awareness of, and participation in, solid waste disposal issues by addressing such issues in duly noticed public meetings.

(I)(II) **Policy 2.8:**

The Collier County Solid Waste Management Department shall continue to operate and maintain hazardous waste collection facilities. The facility will accept household hazardous wastes. Additionally, the Department shall continue to hold special events, such as its hazardous waste collection day, targeting residential households and allowing small businesses to participate to insure consumer demand is met.

(II) **Policy 2.9:**

The County shall maintain an effective emergency storm debris cleanup plan, and identify and establish temporary debris storage and reduction sites.

(II) **Policy 2.10:**

The County shall pursue State and Federal grants for, and participate in, feasibility projects for the investigation and development of improved techniques for waste collection, recycling, transfer and solid waste management consistent with the Enduring Guiding Principles.

(II) **Policy 2.11:**

The County shall evaluate options to beneficially recycle plastic agricultural film.

(II) = Plan Amendment by Ordinance No. 2013-08 on January 8, 2013

(II) **Policy 2.12:**

The County shall assess the feasibility of expanding the Immokalee Transfer Station, or developing a new facility to serve the Immokalee area, to become a full service recycling and reuse center equipped with such options as household hazardous waste processing, paint reuse, vegetative and yard waste drop-off, processing and composting, white goods drop-off, e-waste drop-off, furniture and construction & demolition debris (C&D), resale store, etc

(II) **Policy 2.13:**

The County will work with local institutions, schools, government buildings, or churches, to initiate programs for solid waste reduction, reuse, and recycling for their communities.

(II) **Policy 2.14:**

The County will encourage the construction of Green Buildings (or Sustainable Buildings). Relative to solid waste management, this includes:

- Recycled Content: Products with identifiable recycled content, including postindustrial content with a preference for post consumer content.
- Salvaged, refurbished, or remanufactured: Includes saving a material from disposal and renovating, repairing, restoring, or generally improving the appearance, performance, quality, functionality, or value of a product.
- Reusable or recyclable: Select materials that can be easily dismantled and reused or recycled at the end of their useful life.
- Recycled or recyclable product packaging: Products enclosed in recycled content or recyclable packaging.
- Durable: Materials that are longer lasting or are comparable to conventional products with long life expectancies.

(I)(II) **OBJECTIVE 3: (RECYCLE AND RECOVERY)**

Maintain and update the Integrated Solid Waste Management Strategic Plan as directed by the Board of County Commissioners.

(I)(II) **Policy 3.1:**

The Collier County Solid Waste Management Department shall continue to maintain and improve programs to reduce the amount of solid waste that requires disposal at County landfills by:

- a. Maintaining and enhancing the current countywide residential recycling programs.
- b. Maintaining and enhancing the current County-wide multi-family residential recycling program.
- c. Maintaining and enhancing the County-wide commercial business recycling programs.
- d. Maintaining and enhancing the curb-side separation of material into recyclable categories to be received at the material recovery facilities.
- e. Continuing to explore additional measures for waste reduction.

(I)(II) **Policy 3.2:**

The County shall continue investigation and implementation of cost-saving measures for County disposal operations. The County shall evaluate other measures, including landfill mining, as new technologies and practices emerge.

(II) = Plan Amendment by Ordinance No. 2013-08 on January 8, 2013

- (I) **Policy 3.3:**
The County shall promote public awareness of, and participation in, solid waste recycle and recovery issues by addressing such issues in duly noticed public meetings.

- (II) **Policy 3.4:**
The County will encourage Florida-Friendly Landscaping™ to reduce the generation of yard waste, reduce water consumption, and improve water quality. Section 373.185, F.S., defines Florida-Friendly Landscaping™ as using quality landscapes that conserve water, protect the environment, adapt to local conditions and tolerate drought.

- (II) **Policy 3.5:**
The County shall develop and implement innovative programs to reduce, re-use and recycle solid waste to meet the 2020 Florida Department of Environmental Protection (FDEP) seventy-five percent (75%) Recycling Rate pursuant to Chapter 403.7032, F.S.

(II) = Plan Amendment by Ordinance No. 2013-08 on January 8, 2013