
R2018-46: TO ENDORSE THE HORRY COUNTY SOLID WASTE MANAGEMENT PLAN.

Applicant/Purpose: HCSWA / to endorse HCSWA Solid Waste Management Plan (2018 Update).

Brief:

- The 1991 SC Solid Waste Policy & Management Act established a policy promoting reduction, re-use, & recycling of solid waste before landfilling or incineration.
- The Act establishes the following goals:
 - Encourage research by state agencies & state-supported educational institutions & private entities into the reduction of solid waste.
 - Encourage a regional approach to solid waste management.
 - Reduce the amount of solid waste received at municipal solid waste landfills & incinerators by 40% (calculated by weight).
 - Continue to set new & revised goals every 3 years.
 - Recycle at least 40% of the total waste stream generated (calculated by weight).
 - Each county/region make every effort to meet, individually, the state's solid waste reduction & recycling goals.
- The Act requires each county to create a Solid Waste Advisory Council to advise on the preparation of the local solid waste management plan & implementation.
- The Act requires each county/region ensure all local governments participate in the preparation & implementation of the plan.

Issues:

- Some items of note in the updated plan include:
 - Class III Landfill (MSW) - HCSWA plans to request the expansion permits in FY19.
 - Class II Landfill (C&D) - HCSWA plans to request the expansion permits in FY19.
 - Yard Waste - Effective 01/1/19 yard waste must be contained in compostable paper bags.
 - Material Recovery Facility (MRF) - Maintaining a viable recycling stream despite stringent contamination standards imposed by end users.
- Items of note in the 2018 Plan that speak specifically to Myrtle Beach include:
 - Public education/outreach to our customers to reduce, reuse, & recycle.
 - Encourage recycling in public places - MB is already making strides in this area w/ beachfront, special event, & pilot commercial recycling programs.
 - Addressing population growth & sustainability of our services through the evaluation of materials management, recycling initiatives, & waste diversion programs to reduce the amount of material being landfilled

Public Notification: Normal meeting notification.

Alternatives: Deny the resolution.

Financial Impact: Each recycled ton diverted from the waste stream saves the City \$36.00; avoided cost of disposal.

Manager's Recommendation: I recommend approval.

Attachment(s): Resolution, Public Works memo (dated 12/4/18).

**CITY OF MYRTLE BEACH
COUNTY OF HORRY
STATE OF SOUTH CAROLINA**

WHEREAS, the South Carolina Solid Waste Policy and Management Act of 1991 (the Act) established a policy promoting reduction, re-use, and recycling of solid waste before landfilling or incineration and;

WHEREAS, the Act established the following goals:

- Encourage research by state agencies and state-supported educational institutions and private entities into the reduction of solid waste generated;
- Encourage a regional approach to solid waste management;
- Reduce the amount of solid waste received at municipal solid waste landfills and incinerators by 40 percent, calculated by weight. No more than 50 percent of this goal may be met by removal of yard trash, land clearing debris, white goods, construction and demolition debris, and waste tires from the municipal solid waste stream;
- Continue to set new and revised goals every three years;
- Recycle at least 40 percent, calculated by weight, of the total waste stream generated. No more than 40 percent of this goal may be met by removal of yard trash and land-clearing debris from the waste stream. Waste reduction from incineration may not account for more than 50 percent of a solid waste landfill's effort toward the 40 percent reduction goal;
- That each county or regions make every effort to meet, individually, the state's solid waste reduction and recycling goals. And that each county or region, and municipalities located therein, will be eligible for specific bonus grants; and,

WHEREAS, pursuant to the Act, each county or region must prepare a solid waste management plan and submit to the South Carolina Department of Health and Environmental Control.

WHEREAS, the Act requires that each county create a Solid Waste Advisory Council to render advice on the preparation of the local solid waste management plan and on methods of implementing the plan; and

WHEREAS, the Horry County Solid Waste Authority Council was duly established pursuant to the Act and has performed the duties and carried out its responsibilities as required; and

WHEREAS, the Act requires that each county or region must ensure that all local governments participate in the preparation and implementation of the plan; and

WHEREAS, the Horry County Solid Waste Authority, Inc. , working in concert with the Horry County Solid Waste Advisory Council, has updated the 2015 Horry County Solid Waste Management Plan; and

1 WHEREAS, pursuant to the Act, sufficient and adequate opportunity has been afforded the
2 county and local municipalities to participate in the preparation of updating plan; and

3 WHEREAS, the county and local municipalities join in the efforts of the Horry County Solid
4 Waste Authority and the Solid Waste Advisory Council in updating the 2015 Horry County Solid
5 Waste Management Plan; now, therefore,

6 BE IT RESOLVED that the City of Myrtle Beach endorses the 2018 Horry County Solid Waste
7 Management Plan as created by the Horry County Solid Waste Authority, Inc., with advice from
8 the Horry County Solid Waste Advisory Council, and

9 BE IT FURTHER RESOLVED, that the updated 2018 Horry County Solid Waste Management
10 Plan incorporate this Resolution as part and parcel thereof.

11
12 APPROVED THIS 11TH day of December 2018.

13
14 ATTEST:

15 _____
16 BRENDA BETHUNE, MAYOR
17
18

19 _____
20 JENNIFER STANFORD, CITY CLERK



Memorandum

To: Bruce Boulineau

From: Janet Curry

Date: December 4, 2018 (Updated from 8/31/18)

Re: Horry County Solid Waste Management Plan & Resolution

Attached is the resolution that the HCSWA sent directly to Mayor Bethune for endorsement of the 2018 Horry County Solid Waste Management Plan. The established goals within the SC Solid Waste Policy and Management Act of 1991 set forth recycling and waste diversion goals for the HCSWA.

Our Public Works team has reviewed the updated plan and there are some items to note:

- Class III Landfill – Municipal Solid Waste (MSW) material current tipping fee: \$36.00/ton. HCSWA initiating FY19 permitting of a new or expanded Class III Landfill for additional capacity. Anticipate reaching built and yet-to-be built capacity sometime in FY41 under normal conditions.
- Class II Landfill – Construction/Demolition (C&D) material (including furniture and mattress bulk items) current tipping fee: \$28.00/ton. HCSWA initiating FY19 permitting of a new or expanded Class II Landfill for additional capacity. Anticipate reaching built capacity sometime in FY24 under normal conditions. Hurricane disaster debris can have a significant impact on the remaining capacity.
- Yard Waste – Yard waste material current tipping fee: \$20.50/ton. HCSWA operates a successful yard waste composting program whereby the material is ground and placed into windrows for composting. Compost material is sold to the general public, golf courses, and landscaping businesses. *Effective October 1st, loose yard waste (leaves, grass clippings, weeds, etc.) must be containerized and placed within compostable paper bags for curbside pickup by our Solid Waste Division.*
- Material Recovery Facility (MRF) – Regional facility receiving recyclable material waste streams from Horry County and other counties in SC. The MRF accepts electronics, cardboard, office paper, newspaper, plastic containers, glass, aluminum, and steel cans. Global recycling import impacts associated with China placing a stringent contamination standard of 0.5% and prohibiting certain solid wastes and scrap materials (including mixed paper and mixed plastics) into their country since 2017 has dramatically reduced the US export volumes. United States recyclable material facilities are challenged to find viable alternative markets. Maintaining the existing HCSWA recycling system is dependent upon maintaining the tipping fees at their current levels or substitution of an alternative funding system.

- Recommended Paragraph within the HCSWA's Plan that uniquely speaks to City of Myrtle Beach solid waste management:

City of Myrtle Beach: The City's goal is to provide responsible solid waste management that meets the needs and desires of our citizens and customers now and in the future.

Although the current solid waste infrastructure in the City is working well, it faces some significant challenges in the near future. These challenges include the need to address population growth and waste generation projections, infrastructure capacity, sustainability, and other related issues while paying close attention to financial constraints. In FY19 and FY20, we will be assessing our collection and transfer material management programs and evaluating the need for new recycling initiatives and waste diversion programs. New programs and facilities will be considered to better serve our customers with the application of proven innovative technologies to promote reuse, recycling and reprocessing with the goal of significantly reducing the amount of material landfilled. Public education and outreach programs will be developed in FY19 and FY20, to convey a clear, consistent message to effectively influence the behavior of our citizens regarding the reduction, reuse and recycling of materials across our jurisdiction. Through active collaboration, the City will participate in new recycling and waste diversion initiatives identified by the HCSWA in support of the 2018 Horry County Solid Waste Management Plan (SWMP).

- Potential strategies and action items included within the HCSWA Solid Waste Management Plan pertaining to municipalities to consider:
 - The County and municipalities within the County should research the viability of Pay-As-You-Throw Collection in order to provide an economic incentive to recycling, rather than landfill. Action Item: Form a subcommittee to research and share information on PAYT programs.
 - The County and municipalities within the County should research the viability of curbside cart collection for garbage and recycling, where organized collection is in practice. Action Item: Establish a goal of transitioning each municipality to cart collection in the next three years. *Myrtle Beach is already transitioning to recycle carts.*
 - The Authority, County, and municipalities within the County should continue to monitor and implement opportunities to address recycling in public places and at special events, such as the continued and expanded use of public recycling containers at the beach and at shopping centers. Action Item: The added cost of collections and need for instructive signs should be compared to the diversion anticipated to determine the cost and benefits of expanding recycling in public places and at special events.
 - The HCSWA, County, and municipalities within the County should look for opportunities to recycle more C&D. Action Item: Add C&D recycling statistics from each municipality to the Solid Waste Management Plan so it can be tracked every 3 years with each update.
 - The HCSWA could consider setting tipping fees, or identifying other funding sources, that cover the cost of recycling and diversion programs in order to avoid the negative impact of funding programs that successfully reduce waste tonnages while simultaneously reducing corresponding tipping fee revenue, thereby hindering the ability to adequately fund diversion programs.

The City needs to recognize and prepare for future financial impacts that will come along with the HCSWA's communicated desire to initiate the permitting of Class II and Class II landfill expansions in FY19 and the consideration of an alternative funding system to maintain the existing HCSWA recycling and diversion programs.