

RESOLUTION

**TOWNSHIP OF HOWELL PLANNING BOARD
RESOLUTION OF MEMORIALIZATION
MONMOUTH COUNTY, NEW JERSEY
ADOPTION OF RECYCLING ELEMENT OF THE
MUNICIPAL MASTER PLAN**

**Approved: May 6, 2010
Memorialized: June 3, 2010**

**MATTER OF ADOPTION OF RECYCLING ELEMENT OF THE
MUNICIPAL MASTER PLAN**

WHEREAS, pursuant to N.J.S.A. 40:55D-28, the Howell Township Planning Board (hereinafter "Planning Board") may prepare and, after public hearing, adopt or amend a master plan or component parts thereof, to guide the use of lands within the municipality in a manner which protects public health and safety and promotes the general welfare; and

WHEREAS, N.J.S.A. 40:55D-28b(12) permits a planning board to adopt a recycling element of the municipal master plan; and

WHEREAS, a public hearing was held before the Planning Board on May 6, 2010 to consider the adoption of a recycling element; and

WHEREAS, Helene Schlegal prepared a recycling element dated, February 18, 2010; and

WHEREAS, the Planning Board has heard testimony and comments from its own consultants, and with the public having had an opportunity to be heard and present expert testimony; and

WHEREAS, based upon the testimony and draft recycling element as well as the 2005 periodic re-examination report;

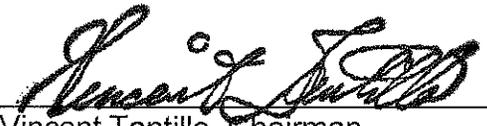
NOW, THEREFORE, does the Howell Township Planning Board make the following findings of fact and conclusions of law with regard to the draft recycling element.

1. The Planning Board determines that the policy goals and objectives contained in the draft recycling element prepared by Helene Schlegal accurately reflects the policies of the Planning Board based upon the current land use patterns as well as land use challenges which presently exist within the municipality. The Planning Board further finds that the draft recycling element contains polity recommendations which best reflect the Planning Board's goal of smart growth and sustainable development.

2. The Planning Board therefore adopts the draft recycling element prepared by Helene Schlegal, dated February 18, 2010.

NOW, THEREFORE, BE IT RESOLVED by the Planning Board of the Township of Howell on this 3rd day of June 2010, that the action of the Planning Board taken on May 6, 2010 adopting the draft recycling element prepared by Helene Schlegal dated February 18, 2010 pursuant to N.J.S.A. 40:55D-28 is hereby memorialized.

BE IT FURTHER RESOLVED that the Board secretary is hereby authorized and directed to cause a notice of this decision to be published in the official newspaper and to send a certified copy of this Resolution to the Monmouth County Planning Board and to the Township clerk, engineer, attorney and tax assessor, and shall make same available to all other interested parties.



Vincent Tantillo, Chairman
Howell Township Planning Board

ON MOTION OF: Mr. Nicastro

SECONDED BY: Mr. Birzin

ROLL CALL:

YES: Messrs. Birzin, Nicastro, Schneider, Tantillo, Ms. Hayslett

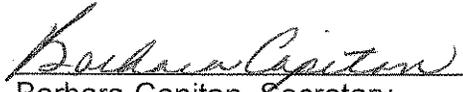
NO:

ABSTAINED:

ABSENT:

DATED: June 3, 2010

I hereby certify this to be a true and accurate copy of the Resolution adopted by the Howell Township Planning Board, Monmouth County, New Jersey at a public meeting held on June 3, 2010.



Barbara Capitan, Secretary
Howell Township Planning Board

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Township of Howell Master Plan: Recycling Element

Besides being a legal requirement, recycling protects natural resources, saves energy required in product manufacturing and reduces the need for added solid waste disposal facilities. In addition, recycling also reduces pollution and greenhouse gas generation.

Prepared by Helene Schlegel

2010

RECYCLING PLAN ELEMENT

INTRODUCTION

Over the last decade the recycling of waste and used materials has become a required and commonly accepted practice within the State of New Jersey. In the early 1990s the Municipal Land Use Law was amended to incorporate a recycling plan element as a required section within municipal master plans. The creation of this element is the basis for implementing the Mandatory Statewide Source Separation and Recycling Act of 1987, which requires the creation of a municipal recycling program and the adoption of a recycling ordinance.

This element of the master plan is intended to affirm Howell Township's intent to meet and exceed the statewide goals and to expand the local recycling program.

This Element provides an overview of the current status of solid waste management and recycling within the Township, along with waste generation and recycling rates. Lastly, a series of recommended actions and programs are presented for the Township to pursue in order to increase the percentage of solid waste that is recycled in the community.

DEFINITIONS

Ferrous and Non-Ferrous Metal – products that contain and are made out of iron.

Hazardous Waste – waste that poses substantial or potential threats to public health or the environment.

Municipal Solid Waste - a waste type that includes predominantly household waste (domestic waste)

with sometimes the addition of commercial wastes collected by a municipality within a given area. They are in either solid or semi-solid form and generally exclude industrial hazardous wastes.

Recyclable Material – used materials that can be made into new products and would prevent waste of potentially useful materials.

Recyclable Rates – amount of materials that can be recycled during a specific time frame.

Waste Generation – encompasses activities in which materials are identified as no longer being of value and are either thrown out or gathered together for disposal.

Waste Reduction – the process and the policy of reducing the amount of waste produce by a person or society.

CURRENT STATUS OF WASTE MANAGEMENT PROGRAM

Waste and Recycling Collection Program

Solid Waste

Waste is generally picked up twice per week from each residence, church, and all municipally owned buildings, parks and playgrounds, and facilities. All solid waste collected within Howell Township is disposed of in accordance with the Monmouth County Solid Waste Management Plan.

Recyclable Materials

The Mandatory Statewide Source Separation and Recycling Act of 1987 sets goals for recycling and

requires each municipality to implement a recycling program. In addition, the Act required municipalities to adopt a recycling ordinance, designate a Recycling Coordinator, and report annual recycling tonnage to the New Jersey Department of Environmental Protection.

The Township has a recycling ordinance in place and can be found in Code Section 238 of the Township Code Book. Jeff Cramer, Director of Public Works is designated as the Recycling Coordinator.

Hazardous Waste

Hazardous Waste can be dropped off to the Monmouth County Household Hazardous Waste Facility that is located on Shafto Road in Tinton falls. The facility accepts pesticides, herbicides, household cleaners, chemicals, batteries, paints, and oils. These materials can be dropped off during any of the schedule “Household Disposal Days” that are scheduled during the year.

Recycled materials are picked up bi-weekly from each residence, business, church, and all municipally owned buildings, parks, playgrounds, and facilities.

Designated recyclable materials for bi-weekly pick-up include:

- 1 Beverage and Food Containers: Aluminum, steel, tin and bi-metal cans.
- 2 Glass: All products made from silica or sand, soda ash and limestone, the product being transparent or translucent and being used for packaging or bottling of various material commonly know as clear (flint), green or brown (amber). Glass shall not include crystal, ceramics, cookware, light bulbs, and plate, window, laminated, wired or mirrored glass.
- 3 Plastics: Plastic bottles PET (symbol 1), HDPE (symbol 2).
- 4 Paper/Corrugated Cardboard: All uncontaminated newspaper, magazines, books, junk mail, chipboard, computer paper, office paper, corrugated cardboard and panels, etc.

Ferrous and Non-Ferrous Metal Products

Ferrous and non-ferrous metal/bulk appliances/white goods are picked up by the Department of Public Works. Examples of bulky waste include washers, dryers, dishwashers, ovens, refrigerators, freezers, hot water tanks, hot and cold water tanks, air conditioners, gas/oil/electric heaters, gas tanks, bicycles, metal lawn equipment or other large appliances commonly referred to as white goods. Additionally, white goods are accepted at the Municipal Recycling Center.

Waste Generation and Recycling Rates

The Township produces annual Recycling Tonnage reports that categorize the recyclable materials into the following groups: Newspaper, glass bottles, corrugated cardboard, mixed paper, magazines, oil, vehicle batteries, household batteries, scrap metal, white goods, and leaves.

Figure R-1, entitled “Overall Solid Waste and Recycling Rates Tonnage,” breaks down the amount of solid waste disposed of and the recycling within the Township (residential, business, construction, parks, and municipal buildings). Figure R-1 illustrates the recycling rate varies from 42% to 50%.

TABLE R-1 OVERALL SOLID WASTE AND RECYCLING RATES TONNAGE HOWELL TOWNSHIP

YEAR	SOLID WASTE TONNAGE	RECYCLING TONNAGE	TOTAL	RECYCLING RATE
2004	59,888	43,670	103,558	42%
2005	57,637	44,622	102,259	44%
2006	60,296	60,213	120,509	50%
2007	58,912	50,275	109,187	46%
2008	49,117	40,634*	89,751	45%
2009				

Source: Monmouth County Planning Board, NJ DEP Department of Environmental Protection Division of Solid and Hazardous Waste Management (*approximate state add-ons not yet finalized)

The Department of Public Works is currently reviewing its entire recycling program and is preparing an increased education program.

The Master Plan continues to support the concept of recycling. It is an environmentally sound practice with important practical benefits. The Master Plan encourages the Township to provide a continuous education program. A carefully crafted and funded recycling effort will more than pay for itself.

An enhanced recycling program should establish specific tonnage goals for each material and should have a public education as well as an enforcement component. Recycling in New Jersey and Howell Township is mandatory and the program outcomes should reflect the fact that all residents as well as businesses are required to recycle a variety of materials. The current quantity of recycled materials

indicates that there is not full participation in the program. In fact, an analysis of the quantities of waste generated and the percentage of recycled materials that are actually being diverted from the waste stream through recycling shows that recycling can and should be dramatically increased in the Township. To accomplish greater participation additional education materials will need to be generated and distributed. Increased education, communication and enforcement should be fundamental components of a comprehensive effort. The County of Monmouth can provide brochures and programs to guide residents, businesses, and institutions in finding alternatives to waste disposal and improving recycling within the Township. The “Recycling Directory” is one of the most notable publications that the County of Monmouth can provide. These publications can be used to assist schools and businesses to establish recycling practices. A marked increase in recycled quantities will require a holistic approach and the Master Plan encourages the Township to make this needed investment. Code Section 188-32(3) of the Township’s Land Use Code requires “site plan applications for commercial and industrial developments utilizing 1000 square feet or more of land shall provide the municipal agency with estimates of the quality of mandated recyclable materials (including, but not limited to, newspaper, glass bottles and jars, aluminum, tin and bimetal cans or containers, plastic containers, high grade paper and corrugated cardboard) that will be generated by the development during each week. A separated storage area must be provided to accommodate a one to four week accumulation of recyclable material. The municipal agency may require the location of one or more common storage areas at convenient locations within the development. All separated storage areas shall be designed for truck access and pick up of materials, and shall be suitably screened from view if located outside of a building and be located in the rear yard where possible.” This section of the ordinance provides for an increase in recycled quantities for non-residential developments within the Township.

The section governing “Major Subdivisions” adequately addresses residential development but this section should be placed in the site plan section and not the subdivision section. Both the Planning Board and the Zoning Board of Adjustment should require provisions of the State Recycling Act to be fully implemented in all site plans, however the inclusion of relevant provisions of this act as well as Howell Township’s Municipal Recycling Ordinance into the appropriate sections of the Howell Township MLUO would advance the required outcomes of the State Act and the Municipal Recycling Ordinance.

Waste Reduction

Recycling is just one part of an overall effort to decrease the amount of waste that requires management and disposal. Reduction, (also known as source reduction or waste prevention), is the first and most important tier of the “Reduce, Reuse, Recycle” solid waste management hierarchy. The term, waste reduction, is used to describe activities that decrease the amount (weight or volume) or toxicity of waste entering the solid waste stream. Simply stated, waste reduction means cutting disposal by going right to the source: deciding not to make or buy something that becomes waste in the first place. Waste reduction includes activities that increase product durability, reusability, and reparability. Reuse programs keep materials that would normally be discarded out of the waste stream. Waste reduction together with recycling and reuse form a comprehensive approach to eliminate waste from entering the disposal stream and decreasing the need to produce the source materials in the first place. The municipality should integrate waste reduction efforts with the recycling program. Education is a key component of a waste reduction program and special events can be used to support activities related to waste reduction and reuse.

A municipal waste reduction program should include the following:

- Provide information to residents on the recycling program.
- Provide information and a demonstration area to inform residents on backyard composting (example: food and yard waste).
- Consider means of reducing the amount of unwanted printed materials tossed onto driveways and lawns.
- Support a municipal Reuse Day, or week, when residents can set out their unwanted goods at the curb for other residents to pick up. This will require promotion that includes information on the date of the event, how long the material will be left out for collection by residents and when the event ends.
- Provide community information on websites and organizations that link free, unwanted, useful items from donors to recipients, such as Freecycle.
- Provide community wide information on how to stop junk mail.
- Work with the Board of Education to purchase recycled paper.
- Reference existing Howell Township ordinances 238-7 and 238-8.

Waste reduction for all municipal offices and buildings:

- Require that all discarded paper be recycled.
- Purchase items that are all or partially recycled paper products: paper towels, toilet paper, trash bags, scratch pads, business cards, paper towels, toilet paper and tissues.
- Recycle and use recycled toner cartridge
- Use computers to reduce paper use: post notices electronically, and send documents for review by email; let the recipient decide whether to print or not; set up shared file systems to let people access documents without requesting a hard copy; store files electronically only.
- Reformat fax forms to avoid a cover sheet.

- Buy printers and copiers that print on both sides. If you cannot print two sided documents, and if you have many printers, designate one to be the draft printer, and print on the back of used paper; print odd number sides, then print even number sides.
- Reuse old folders; use old memos for scrap paper.
- Reuse office furnishings.
- Use refillable products such as pens, pencils, tape dispensers and calendars.
- Use solar powered calculators.
- Eliminate single use cups. Encourage municipal workers to bring in their own reusable drinking cups.

Master Plan Recommendations:

- The Township of Howell should review and, if needed, revise its recycling ordinance and the Municipal Land Use Ordinance to reflect the mandatory nature of recycling and to ultimately increase the amount of recycling in Howell Township;
- The Municipal Land Use Ordinance should require that all new commercial development, as well as the already regulated residential development, meet the requirements set forth above to establish recycling plans and construct the facilities needed to carry out recycling.
- In partnership with the Board of Education and the private schools to develop recycling educational programs in all of Howell Township schools.
- Provide recycling education for residents of the Township's multi-family complexes
- Expand community partnerships to improve the communication to the community about the necessity and relevance of recycling.
- Develop a communication strategy and advertising campaign using the Township of Howell's website.

- Vigorously monitor and enforce recycling within the Township. Identify those multifamily and commercial developments that are not complying and use enhanced communication, monitoring and enforcement to achieve the overall goals of the program.
- Initiate a comprehensive waste reduction program beginning with a waste reduction program for all municipal buildings.
- Retaining and protecting trees and flora in site development projects.

In the mid-1990's the Department of Environmental Protection offered a wide range of programs and grants to educate the public on the benefits of recycling and to assist municipalities in developing more efficient recycling operations. The long-term future of these programs is dependent upon additional funding. Therefore, many or all of these programs may become inactive until future funding is received. One of these programs is the:

Recycling Tonnage Grant

In previous years, the NJDEP has provided recycling tonnage grants to municipalities and counties in New Jersey. These grants were based on the tonnage of recyclable material generated by and recovered for recycling by residential and or commercial sources within a municipality. Up to \$5 per ton are provided depending on the amount of funding available to the Recycling Grant Fund, the dollar amount received by the county or municipality in the past, and the eligible and actual amount of recycled materials within the county and municipality. These grants are dependent upon funding cycles. The Township should contact NJDEP for annual availability: New Jersey Department of Environmental Protection Division of Solid and Hazardous Waste Office of Recycling and Planning, CN414. Trenton, NJ, 08625-0414.

Bid Waste Services with another Municipality

In the future, the Township should consider bidding on waste and recycling services with adjoining municipalities to receive a more favorable price for services rendered. An EPA document entitled, *Joining Forces on Solid Waste Management*, explores this potential. In addition, the New Jersey Department of Community Affairs (DCA) has been offering an ongoing Regional Efficiency Development Incentive (REDI) grants to study the feasibility of consolidating services and providing start-up costs for new shared or regional services among municipalities.

Encourage Recycling Through Development Regulations

The Municipal Land Use Law requires the recycling plan element to include provisions for:

“the collection, disposition and recycling of recyclable materials within any development proposal for the construction of 50 or more units of single-family residential housing or 25 or more units of multi-family residential housing and any commercial or industrial development proposal for the utilization of 1,000 square feet or more of land.”

(NJSA 40:55D-28.b;12).

It is recommended that Township regulations remain current with this requirement to ensure that site plans include details and information on the storage and disposal of recyclable materials. The inclusion of this language would be oriented at promoting recycling throughout the Township in a uniform manner.

<u>All Paper</u>	<u>Bottles & Cans</u>	<u>Trash</u>
<p>Magazines & Catalogs</p> 	<p>Soda cans & Aluminum products</p> 	<p>Styrofoam cups, used paper cups, lids & caps</p> 
<p>All paper & Envelopes</p> 	<p>Plastic bottles & Plastic Jugs</p> 	<p>Paper towels, napkins, plastic wrap & bags</p> 
<p>Paper bags & Paperboard boxes</p>	<p>Glass bottles</p>	<p>Take-out food containers, plastic utensils, yogurt containers, & all other non-paper waste</p>