



2018 NEW JERSEY SUSTAINABILITY SUMMIT



Welcome to Plastic Pollution Solution

June 21, 2018

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2018 NEW JERSEY
SUSTAINABILITY
SUMMIT



History of Plastics Recycling in New Jersey

Steve Rinaldi, NJDEP





I am going to...



- **Review**
 - ✓ Solid Waste & Recycling History in New Jersey
- **Frame**
 - ✓ The Complex Nature of Plastics
- **Describe**
 - ✓ What we Know About Plastics in New Jersey
- **Discuss**
 - ✓ Challenges Ahead of Us– Problems To Overcome
- **Present**
 - ✓ Command & Control v. Advocacy Options
- **Brainstorm**
 - ✓ What Technology Can Bring to the Table
- **Forecast**
 - ✓ Darkening Skies on the International Horizon!



A Brief History of Plastics



- 1862 – 1st Man-Made Plastic Created by Alexander Parkes at the Great International Exposition – London;
- 1868 - First Commercial Product – Billiard Balls;
- 1872 – PVC First Created;
- 1908 – Cellophane First Marketed;
- 1926 – Vinyl Invented from PVC;
- 1939 – Nylon and Neoprene Invented to Replace Silk;
- 1941 – PET Invented;
- 1951 – HDPE First Introduced;
- 1953 – Saran Wrap Introduced by Dow Chemical;
- 1954 – Styrofoam Invented;
- 1967 – The “Graduate” with Dustin Hoffman – “The Future is Plastic”
- 1970 – Dacron Polyester Used in Clothing;

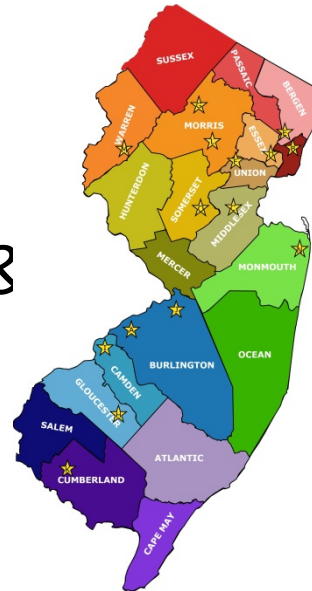




Where it all began – NJ Recycling



- **1982** – “Recycling in the ‘80’s”
- **1987** – Mandatory Recycling
 - “Floor” of Recycling “3 Materials, plus Leaves”
- Glass Containers, Aluminum Cans & Newspaper
- NO ONE Exempt!!!
- Down to “Kitchen Level”
- **1993** Plan and Integrated & Waste Management





Where We Are Today...



- MANDATORY
- County-By-County
- Adopted Recycling Plans
- State Goal – 50% & 60%
- 23.8 Million Tons Generated
- 14.9 Million Tons is Recycled
- Total = 63% Rate – 2015 Data
- Municipal Recycling Rate = 43%
- Curbside Recycling Very Effective!





Mandated Materials For Recycling:



- We started with “3 Materials Plus Leaves”
- Today, the average number of “Designated Materials” has reached 17! (8 Counties Designate over 20)
- Only Plastics Category for Designation is:
 - HDPE/PET Plastic in 19 Counties
- Our focus today on Three Plastics Categories:
 - Plastic Containers (#1 PET & #2 HDPE)
 - Plastic Scrap (Car parts, furniture, pallets)
 - Other Plastic (#4 LDPE – film or bags)
- Review of the Trends





What's Left in the Can After 30 Years of Mandatory Recycling?????



- Paper - 21.3%
- Plastics - 16.0%
- Textiles, Rubber, Leather - 10.2%
- Wood - 6.4%
- Yard Waste - 6.0%
- Food Waste - 24.8%
- Other Organics - 3.6%
- Metals - 3.5%
- Glass - 2.4%
- Inorganics - 5.4%
- Hazard Materials/Other - 0.4%

The Complexity of Plastics

WHAT DO RECYCLING SYMBOLS ON PLASTICS MEAN?



PET, PETE
(Polyethylene Terephthalate)

- Soft drink, water and salad dressing bottles; peanut butter and jam jars...
- Suitable to store cold or warm drinks. Bad idea for hot drinks.



HDPE
(High-density Polyethylene)

- Water pipes, milk, juice and water bottles; grocery bags, some shampoo / toiletry bottles...



PVC
(Polyvinyl Chloride)

- Not used for food packaging.
- Pipes, cables, furniture, clothes, toys...



LDPE
(Low-density Polyethylene)

- Frozen food bags; squeezable bottles, e.g. honey, mustard; cling films; flexible container lids....



PP
(Polypropylene)

- Reusable microwaveable ware; kitchenware; yogurt containers; microwaveable disposable take-away containers; disposable cups; plates....



PS
(Polystyrene)

- Egg cartons; packing peanuts; disposable cups, plates, trays and cutlery; disposable take-away containers;....
- Avoid for food storage!**



Other
(often polycarbonate or ABS)

- Beverage bottles; baby milk bottles. compact discs; "unbreakable" glazing; lenses including sunglasses, prescription glasses, automotive headlamps, riot shields, instrument panels...

@veganology

Safe food containers are made from number 1, 2, 4, and 5 plastics.



Plastic Packaging Challenges

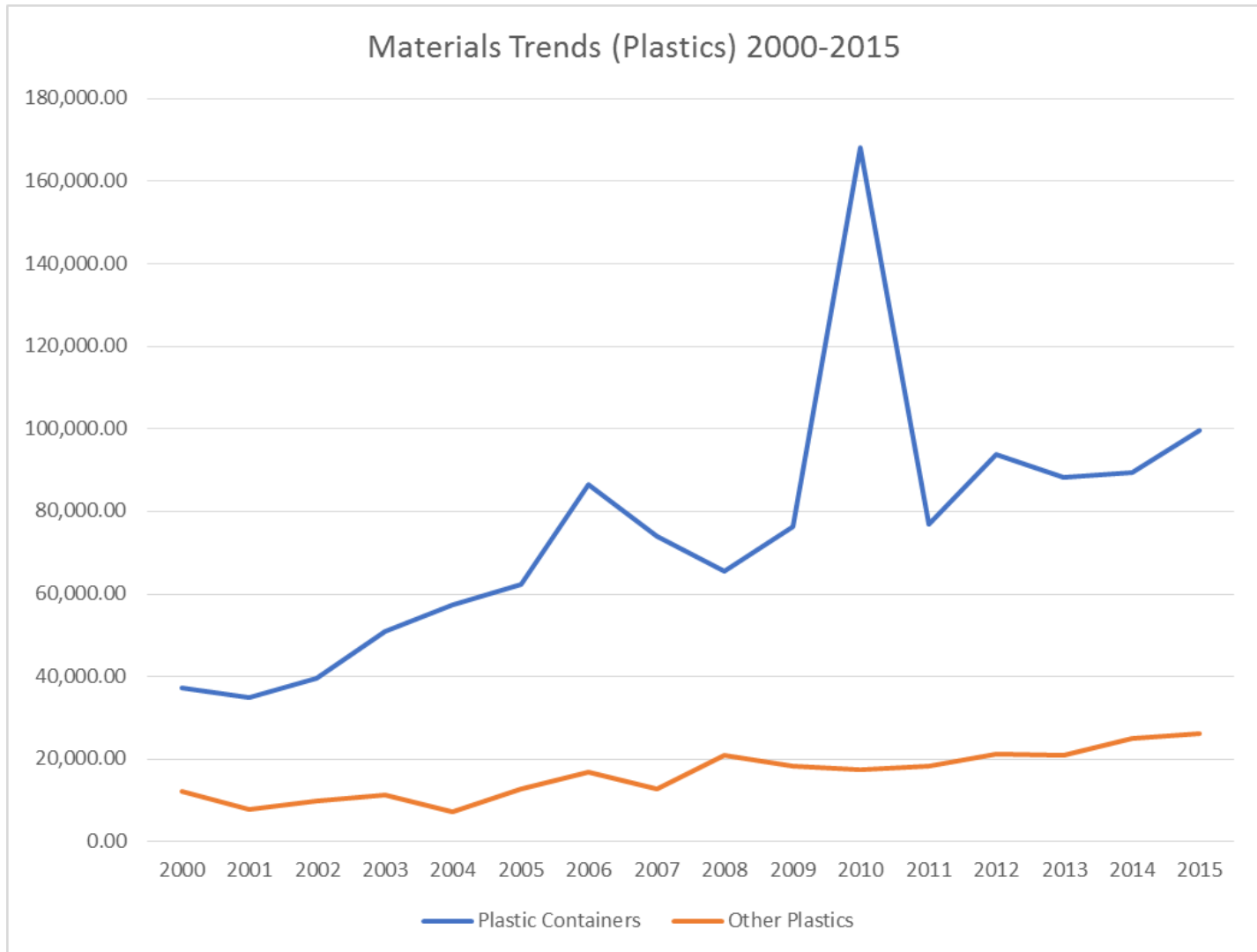


- 100 MILLION Tons Manufactured Globally Annually;
- In the U.S. – only about 10% is recovered of all Plastic;
- Problematic Packaging:
 - Pigmented Plastic (Laundry Containers);
 - Lightweighting Trend;
 - Multilayered Laminated Pouches;
 - Decorative Advertising of Different Resins;
- Single Stream Increases Volume - Much Lower Value;
- Tremendous Confusion on What is and Isn't Recyclable!





Plastics Recycling Trending Up





Plastics Recycling Breakouts



- IPF's or MRF's Process "Post-Consumer" Plastics;
- **Normal Breakout Categories:**
 - PET: Clear Water Bottles
 - HDPE Natural: Milk Containers
 - HDPE Color: Laundry Detergent Containers
 - LDPE Film Natural: Dry Cleaner Bags
 - LDPE Film Colored: Clothing Bags
 - Mixed Rigid: Spackling Buckets, Kids Toys
 - Other 3 – 7 Plastic: Yogurt and other Containers
 - PVC: White and Dark Piping, Etc.





Current Market Conditions

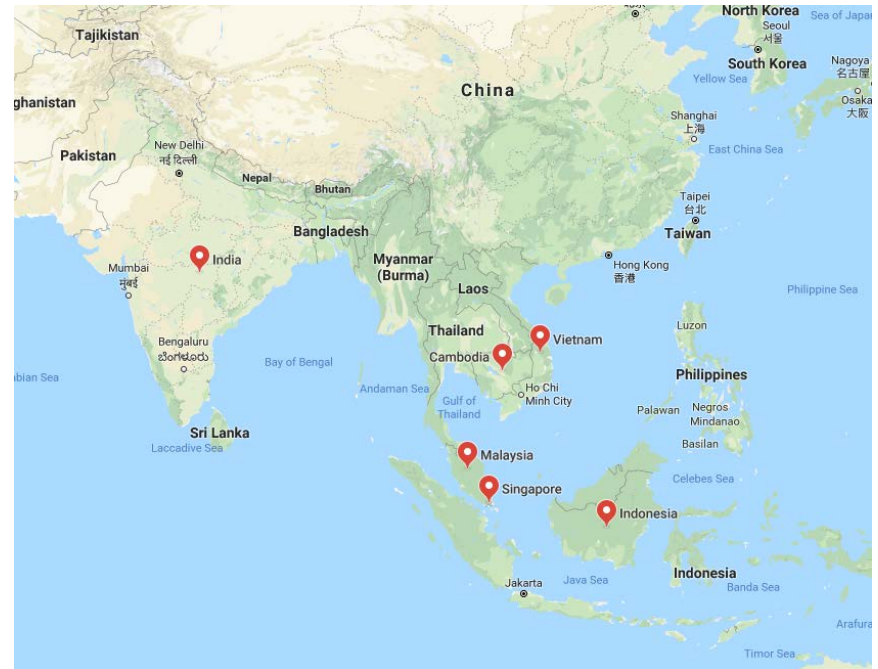


- China .5% Contamination Level Nearly Impossible to Meet;
- Outright ban on the acceptance of Mixed Paper – material piling up with no current outlet;
- Significant Drop in Material Value – MRF’s Fighting to Survive;
- MRF’s Charging Higher Prices, Dropping Single Stream;
- MRF’s Forced to Run at Slower Speeds to Improve Quality;
- MRF’s Adding New Technology to Assist in Sorting Process;
- Mixed Paper and Glass Getting Landfilled;
- Zero Market for 3 – 7 Plastics at This Time.



Where The Stuff Goes???

- Domestic Markets in the U.S. and Canada (considered “Domestic”)
- China is de facto Shut Down! Material to India and.....
- **The “Asian Six”**
 - South Korea
 - Indonesia
 - Malaysia
 - Vietnam
 - Singapore
 - Thailand





How to Manage Plastics???



- Bans on Sale or Use – Straws and Film Plastic Bags;
- Surcharges on Plastic Bags (and possibly paper) at Supermarkets and other Points of Sale;
- Federal Incentives to Stimulate New Outlets for 3 – 7 Plastics;
- Subsidies for High Technology Plastics Processing:
 - Green Mantra Plastic to Wax Technology;
 - LOOP Industries Alternative PET Processing;
 - QRS Simply Recycle 3 – 7 Flake Process;
 - Chesapeake Integrated Bio-Energy Project



Command & Control Actions



- Additional Designation of Plastics for Recycling Through County Plans:
 - Plastic Scrap Not Designated
 - Other Plastic Not Designated (Film)
 - Why Doesn't Gloucester and Monmouth Designate Any Plastics for Recycling?
- Bag & Straw Bans or Surcharge Legislation (Reusables)
- Stepped up Education & Enforcement
- State Leadership (State Plan/County Planning)
- Incentives for Development of Domestic Markets
- Do we Stop Collecting Some Plastics?



EACH DAY WE USE
500,000,000
STRAWS



2018 NEW JERSEY SUSTAINABILITY SUMMIT



Highland Park Plastic Bag Reduction Campaign

Tina Weishaus, Chair, Sustainable Highland Park

Awarded May 2017 | \$10,000 | Funded by Sustainable Jersey and PSEG





Build the Broadest Coalition



- Municipal Government
- Business Community
- Residents
- Schools
- Faith Community



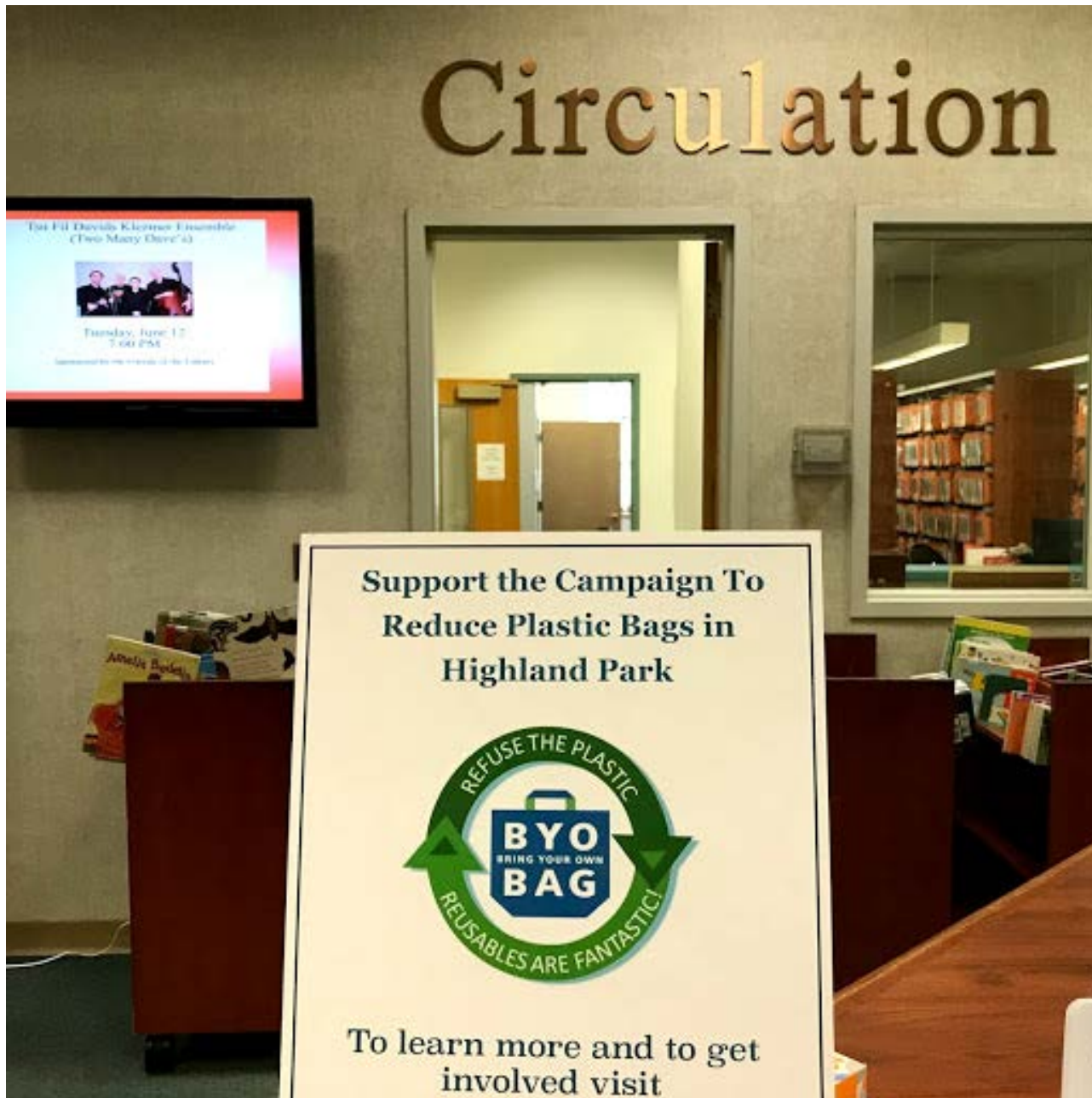
refusetheplastic.jpg





















Impacts & Outcomes



www.sustainablehighlandpark.org



Plastic Bag Reduction Initiative



Highland Park镇自治市政府已经获得了\$10,000的赠款，以减少使用单一的塑料袋（如食品储藏室和超市中使用的塑料袋），这些袋子污染了我们的土地，水路和海洋，严重危害了动物和人类！

我们需要您的帮助！

从九月份开始食品储藏室将分发免费的可回收袋子，限制使用塑料袋。

要求您将自己的可重复使用袋子带到食物发放处。

请别忘记带上您的袋子可重复使用！！

！

更多咨询请上网

www.sustainablehighlandpark.org

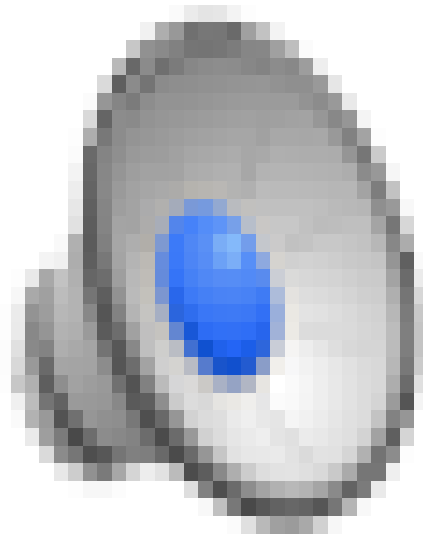
Sustainable Highland Park, a HP Borough has been awarded \$10,000 to reduce the use of single use plastic bags (like the ones used in the food pantry and the supermarkets). These bags pollute our landscape and escape into our waterways and oceans where they are harmful to animals and humans.

We need your help!!

Starting in September, the Food Pantry will distribute FREE reusable bags and will limit the use of plastic bags.









Lessons Learned & Challenges



Next Steps



- Work with Council on an ordinance
- Expanding campaign to straws and other plastics
- More clean ups

Remember Your Reusable Bags



www.sustainablehighlandpark.org



2018 NEW JERSEY SUSTAINABILITY SUMMIT



Sustainable Margate & Plastics

Monica Coffey, Chair, Sustainable Margate





Plastics Trivia



Join on your mobile device: **kahoot.it**

Game Pin: **Use website PIN**



2018 NEW JERSEY SUSTAINABILITY SUMMIT



Sustainable Jersey and Plastics

Renee Haider, Sustainable Jersey





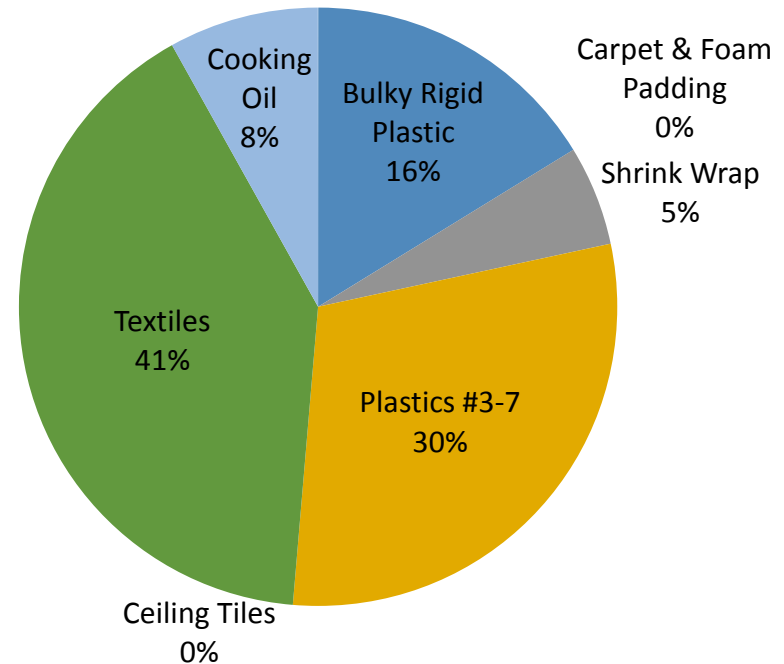
Actions for Points: Non-Mandated Materials Recycling



- Bulky rigid plastics (10 pts)
- Shrink wrap (5 pts)
- Plastics #3-7 (10 pts)
- Other (5-10 pts)



2017 Approved Actions





Actions for Points: Reusable Bag Education Program



- **Action Requirements**

- Develop a campaign that includes public announcements, outreach to local businesses, outreach events, distribution of printed materials, involvement of schools, bag design contests, creation of PSAs, BAG IT film screening, reusable bag & window cling giveaways, etc.
- OPTIONAL: Resolution or ordinance supporting the use of reusable bags, or charging a fee for a single use bag (paper or plastic)

- **Film Screenings**

- [Bag It](#)
- [Plastic Paradise](#)



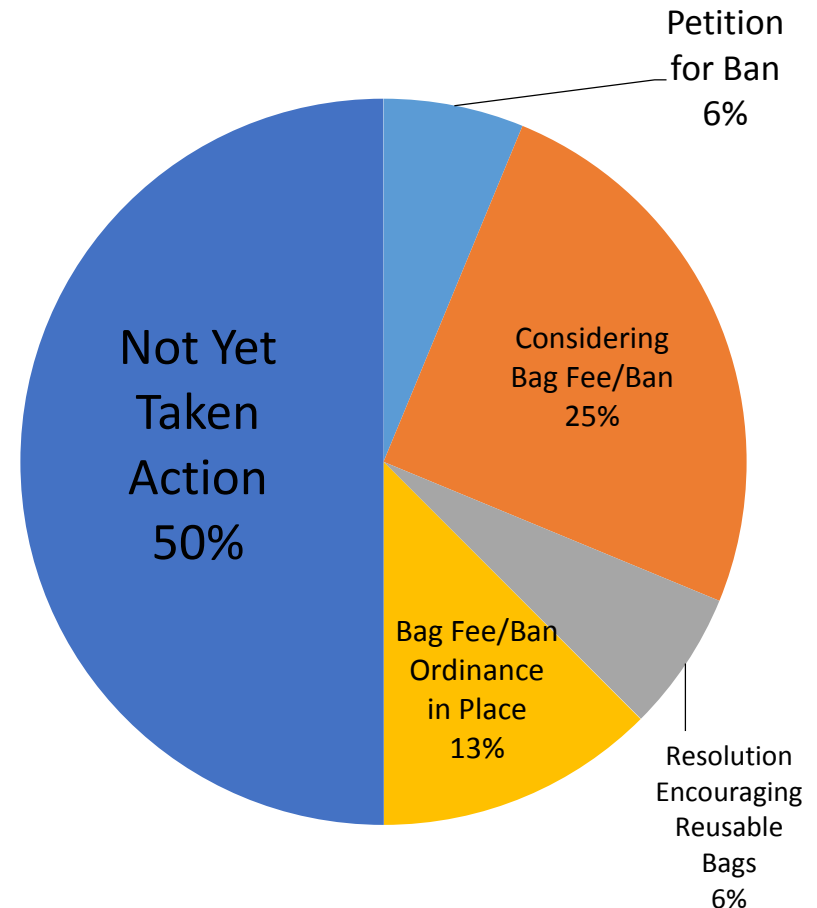


Reusable Bag Education Program: Programs in Place



- Bordentown City (Burlington)
- Caldwell Borough (Essex)
- Jersey City (Hudson)
- [Hoboken City](#) (Hudson)
- [Princeton](#) (Mercer)
- Oradell Borough (Bergen)
- [Upper Township](#) (Cape May)

Approved Town Actions





Pending NJ Legislation



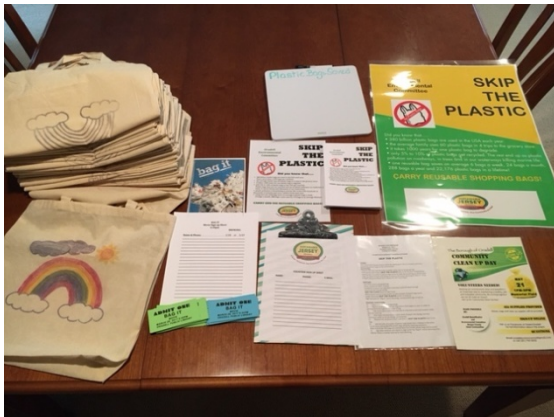
- **A-1218:** Provides for the decrease and eventual ban on use of non-compostable plastic grocery bags at **retail stores**.
- **A-4040:** Provides for the decrease and eventual ban on use of non-compostable plastic carryout bags at **stores**. Violations apply.
- **A-3267:** Establishes a fee on the use of single-use carryout bags provided by certain types of stores to customers and dedicate revenue from the fee to the “Healthy Schools and Community Lead Abatement Fund” established in the bill.



What's Next?



- Sustainable Jersey will be re-evaluating the reusable bag education action and addressing other single use plastics in potential new actions.
- If you want to join the discussion on the Waste Management Task Force, email Samantha McGraw at mcgraws@tcnj.edu.





A Few Final Thoughts



WHY WE SHOULD REFUSE PLASTIC STRAWS

THEY ARE MADE IN 10 MINUTES, USED IN 10 AND REMAIN ON EARTH FOREVER SINCE THEY ARE NOT BIODEGRADABLE

DID YOU KNOW THAT ABOUT 90% OF MARINE ANIMALS HAVE EATEN PLASTIC

PLASTIC STRAWS REQUIRE A GREAT AMOUNT OF NON-RENEWABLE RESOURCES

IT TAKES A LOT OF ENERGY TO MAKE SUCH A SMALL PIECE OF PLASTIC. RESTAURANTS THROW AWAY 45,000 PLASTIC STRAWS A YEAR

9 TIPS FOR LIVING WITH LESS PLASTIC

- 1 Bring your own shopping bag
- 2 Carry a reusable water bottle
- 3 Bring your own cup
- 4 Pack your lunch in reusable containers
- 5 Say no to disposable straws & cutlery
- 6 Skip the plastic produce bags
- 7 Slow down and dine in
- 8 Store leftovers in glass jars
- 9 Share these tips with your friends

LESS PLASTIC. #REFUSE SINGLE USE #CHOOSE REUSABLES

WWW.LESSPLASTIC.CO.UK

PLASTIC WASTE FOOTPRINT

MORE THAN 5 TRILLION PLASTIC PIECES AFOAT

WEIGHING MORE THAN 250,000 TONNES

MARINE ORGANISMS 10KM DEEP HAD INGESTED PLASTIC FRAGMENTS

6.6% RECYCLED PLASTIC USED IN THE BOTTLES

2M TONNES A YEAR PLASTIC BOTTLES SOLD BY THE TOP 6 GLOBAL FIRMS

NONE HAVE COMMITMENTS TO REDUCE THE AMOUNT OF SINGLE-USE BOTTLES

"IT'S CLEAR THAT IF WE'RE GOING TO PROTECT OUR OCEANS WE NEED TO END THE AGE OF THROWAWAY PLASTIC. THESE COMPANIES NEED TO TAKE DRASTIC ACTION NOW." - LOUISE EDGE, FROM GREENPEACE

SOURCES:
<http://www.bbc.com/news/science-environment-39279392> | March 2017
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0119183>
<https://www.theguardian.com/environment/2017/feb/13/extraordinary-levels-of-toxic-pollution-found-in-10km-deep-mariana-trench> | February 2017
<http://www.independent.co.uk/news/uk/home-news/government-plastic-bottle-tax-tackle-household-waste-public-beaches-landfills-environment-a7537686.html> | January 2017



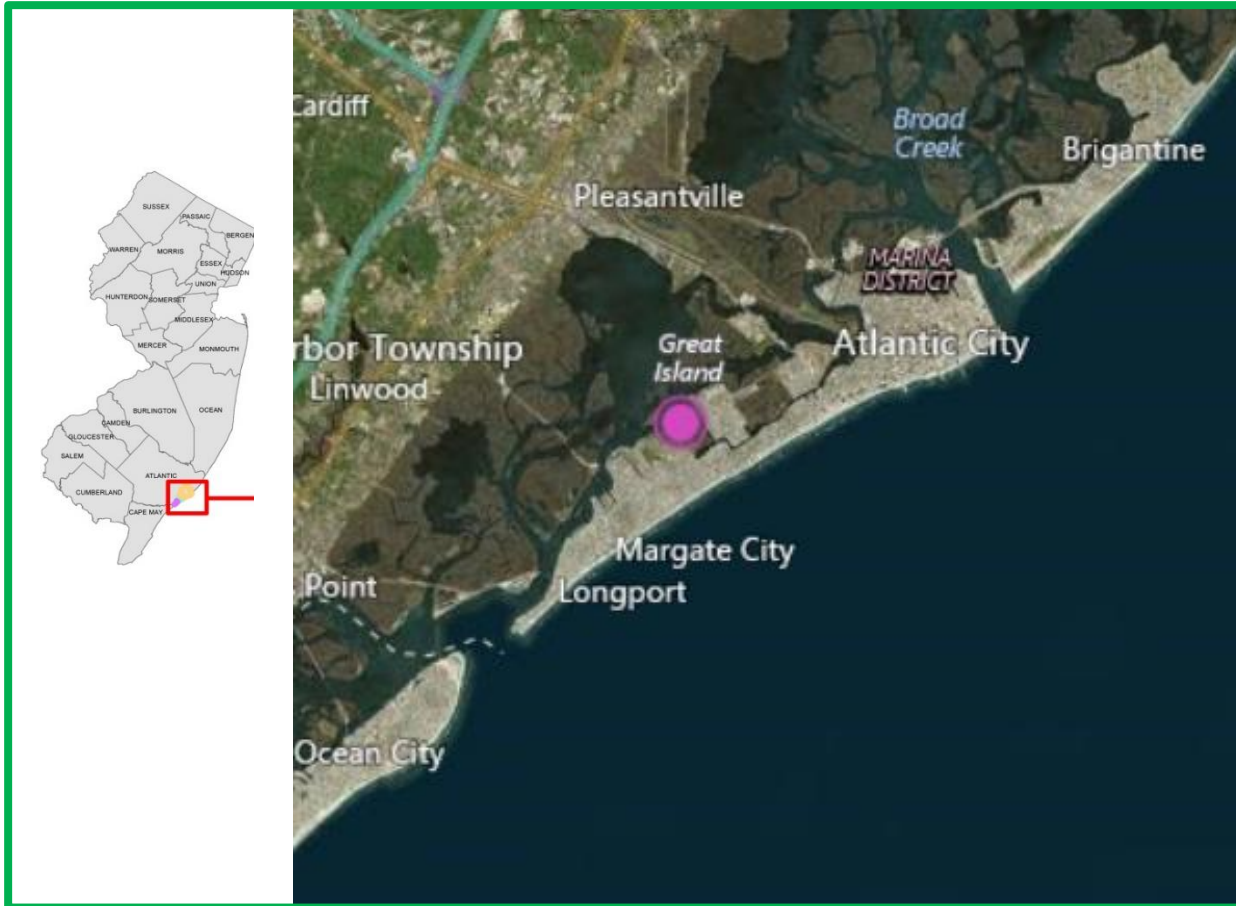
Sustainable
MARGATE

The logo features a stylized sun with black rays rising above blue wavy lines representing water. Below the graphic, the word "Sustainable" is written in a green, rounded font, and "MARGATE" is written in a larger, bold, green, blocky font.

2013



Absecon Island



Superstorm Sandy, October 2012





Beach Litter



Sustainable Downbeach

LONGPORT, MARGATE AND VENTNOR WORKING TOGETHER FOR A GREENER ABSECON ISLAND



Beach Litter



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The Issue with Plastic

- The Journal Science has estimated that approximately 8 million tons of plastic enter the ocean each year.
- The World Economic Forum estimates by 2050, the ocean will contain as much plastic as fish, pound for pound
- Plastic bags are the most abundant floating litter objects in the ocean



Impacts

- In the last decade, **wildlife entanglement** of marine debris by marine animals **has increased by 40%**.
- It is well known, that **animals, including turtles, seabirds, and marine mammals can ingest marine litter.**
- 50-80 % of dead sea turtles have ingested plastic
- Plastic bags are also a major litter issue





Why plastic bags?



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29 million bags generated by Absecon Island residents each year

Countywide: 138
million/year
Worldwide: 2 million per
minute





Surfrider Cleanups Wellington Ave., Ventnor

**1,089 plastic bags picked up
by volunteers over the course
of two cleanups**





Why plastic bags?

- Bags are one of the more regulated types of plastic or single-use plastics, compared to straws, for example, or Styrofoam
- At least 300 local bag ordinances here in the US
- Bags are convenient, but not essential
- Very difficult to recycle and they endanger workers
- Currently all plastic bags that come into ACUA's recycling center are being landfilled.



Where does your plastic go?



Pick it up, Bin It. Take 3 for the Sea

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SURFRIDER
FOUNDATION
SOUTH JERSEY CHAPTER

Sustainable Downbeach

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Reusable Bag Education

Margate and Ventnor
Businesses...
You're Invited:

**Tuesday,
January 27
6 - 8 p.m.**

Steve and Cookies
By the Bay
9700 Amherst Ave.
Margate, NJ 08402

Free Movie
& Discussion

Light hors d'oeuvres
Cash bar

bag it
is your life too plastic?

REELTHING FILMS PRESENTS "BAG IT" A FILM BY SUZAN BERAZA
EDITED BY SUZAN BERAZA & CASEY NAY
WRITTEN BY MICHELLE CURRY WRIGHT
PHOTOGRAPHY BY LEIGH REAGAN
DIRECTOR OF PHOTOGRAPHY
FEATURING JEB BERRIER
PRODUCED BY MICHELLE HILL
MUSIC BY LARRY GROUPE
PRODUCTION DESIGNER SUZAN BERAZA
DIRECTOR OF SUZAN BERAZA

Seating is limited.
Please R.S.V.P. by January 22 at:
sustainablemargate@margate-nj.com

A REELTHING FILM www.bagitmovie.com
WINNER MONTEREY BLUE OCEAN FILM FESTIVAL
WINNER MONTEREY BLUE OCEAN FILM FESTIVAL
WINNER MOUNTAINFILM IN COLLEGE FILM FESTIVAL
WINNER ASHLAND ENVIRONMENTAL FILM FESTIVAL
WINNER "WILD & SCENIC" FILM FESTIVAL



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Chew On This...



New Jersey residents use an average of 3.3 billion single use shopping bags annually - 500 bags for each adult in the state. 8,371 littered plastic bags were collected along the New Jersey coast in six hours in 2013.

Help Us Be "Plastic Free" And "BYOB"!

BYOB

New Jersey residents use an average of 3.3 billion single use shopping bags annually - 500 bags for each adult in the state.

8,371 littered shopping bags were collected along the New Jersey coast in six hours in 2013.

BAG



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© photo used with permission of Save Lucy Committee Inc

Don't forget to take your reusable bag when you shop!



Enough with the bags already!!



Help keep the environment clean. Please use reusable bags when you shop.

Enough with the bags already!!



Please! Use reusable bags when you shop.

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Beach Tag Envelopes

Side #1

Margate is partnering with Ventnor and Longport to raise awareness about plastic bags.

As coastal communities, protecting our beaches and ocean from litter is a top priority.

Please do your part by saying 'No, thank you' to unnecessary bags and by bringing your own bags with you when you shop.

~ Margate City

BYOB BAG

New Jersey residents use an average of 3.3 billion single use shopping bags annually - 500 bags for each adult in the state.

8,371 littered shopping bags were collected along the New Jersey coast in six hours in 2013.



Side #2

Trash and recycling containers are located at every block for your convenience.

Please do not leave trash, cigarette butts or beach items on the sand.

Two tides a day can carry debris into the ocean.

Please also fill any holes that you dig.

Thank you for keeping Margate beach

~ Margate City

I LOVE MY BEACH



Side #1

Ventnor is partnering with Margate and Longport to raise awareness about plastic bags.

As coastal communities, protecting our beaches and ocean from litter is a top priority.

Please do your part by saying 'No, thank you' to unnecessary bags and by bringing your own bags with you when you shop.

When visiting Ventnor beaches, please remember to leave only your footprints behind.



Side #2

Greetings!

Trash and recycling containers are located every block for your convenience.

Please deposit food and beverage containers, cigarette butts, unwanted toys and beach items into them.

Please do not leave anything on the sand.

Two tides a day can carry debris into the ocean.

If you leave "it in the sand" it will wind up in the ocean.

Please fill all holes that you dig, before you leave.

Holes are a hazard to our city employees and machinery.

Thank you!
Ventnor City

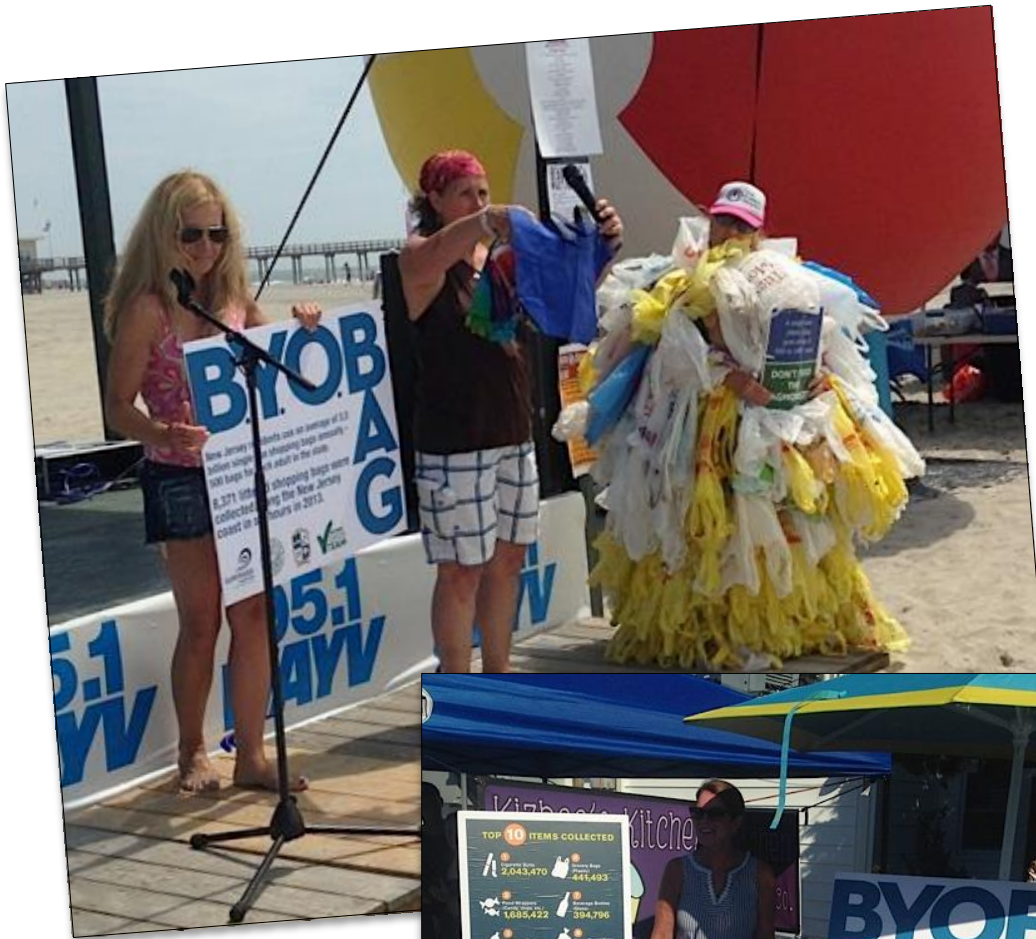
Longport is partnering with Margate and Ventnor to raise awareness about plastic bags.

As coastal communities, protecting our beaches and ocean from litter is a top priority.

Please do your part by saying 'No, thank you' to unnecessary bags and by bringing your own bags with you when you shop.



Use reusable bags when you shop.



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Absecon Island: Reusable Bag Resolutions

Resolution of the City of Atlantic City
No. 563

Approved as to Form and Legality on Basis of Facts Set Forth in Recital contents overfiled to by
Legislative Counsel Robert L. Taylor, Esq. Business Administrator /s/ Rich Lipton Prepared by Legislative Counsel

Council Members GILLIAM & SMALL Present the following Resolution:

A RESOLUTION ENCOURAGING THE USE OF REUSEABLE CLOTH-TYPE SHOPPING BAGS AS OPPOSED TO SINGLE-USE PLASTIC BAGS

WHEREAS, non-biodegradable, single use plastic bags are often discarded into the environment and end up polluting our waterways, clogging sewers, endangering marine wildlife and causing unsightly litter; and

WHEREAS, plastic bags last hundreds of years in landfills and are potential source of chemicals when they break down; and

WHEREAS, plastic is responsible for the death of over 100,000 sea animals and one seabirds each and every year; and

WHEREAS, plastic is responsible for the death of over 100,000 sea animals and one million per minute.

NOW, THEREFORE, BE IT RESOLVED, by the Council of the City of Atlantic City in the County of Atlantic and State of New Jersey that:

- We strongly encourage the residents of Atlantic City to use re-usable, cloth type bags as opposed to single-use plastic bags; and
- We encourage our residents to educate others about how detrimental plastic bags are to our marine life, as well as the environment in an effort to increase compliance awareness.

April 29, 2016 5:17 PM DS

COUNCIL MEMBER	TO NOT USE SPACE BELOW THIS LINE				SEC	COUNCIL MEMBER	AYE	NAY	N
	AYE	NAY	NV	AB					
DELAGADO	X					MOORE	X		
MALIBU	X					RANDOLPH	X		
MANCUNO	X					SMALL	X		
MARSH	X					TIBBITT	X		
						GILLIAM, PRESIDENT	X		

X-Indicates Vote NV-Not Voting AB-Absent MOT-Motion SEC

This is a Certified True copy of the Original Resolution on file in the City Clerk's Office. /s/ Rhonda Willis

DATE OF ADOPTION: JULY 08, 2015

**RESOLUTION #137-2015
ENCOURAGING THE USE OF REUSEABLE, CLOTH TYPE,
SHOPPING BAGS AS OPPOSED TO SINGLE USE PLASTIC BAGS**

Commissioner Amodeo introduced and offered the following Resolution for adoption
Commissioner Blumberg:

WHEREAS, Non-biodegradable, single use plastic bags are often discarded into and end up polluting our waterways, clogging sewers, endangering marine wildlife and causing unsightly litter; and

WHEREAS, Plastic bags last hundreds of years in landfills and are potential source of chemicals when they break down; and

WHEREAS, Plastic is responsible for the death of over 100,000 sea animals and one million per minute.

NOW, THEREFORE, BE IT RESOLVED, By the City Commissioners in the County of Atlantic and State of New Jersey that:

- We strongly encourage the residence of Margate to use re-usable, bags as opposed to single use, plastic bags and further,
- We encourage our residence to educate others about how detrimental plastic bags are to our marine life in an effort to increase compliance through awareness.

Roll Call: Becker - Yes, Amodeo - Yes, Blumberg - Yes,
DATE: July 2, 2015

CERTIFICATION
I, Deborah J. Smith, Acting Clerk of Margate City, Atlantic County, do hereby certify the foregoing to be a true and correct copy of a resolution adopted by the Commissioners of the City of Margate City at a meeting of said Commission held on July 2, 2015 and said resolution was adopted by not less than a two-thirds vote of the members of the Commission.
Deborah J. Smith
Deborah J. Smith, Acting City Clerk

**BOROUGH OF LONGPORT
RESOLUTION 2015-19
RESOLUTION ENCOURAGING THE USE OF REUSEABLE, CLOTH TYPE, SHOPPING BAGS AS OPPOSED TO SINGLE USE PLASTIC BAGS**

WHEREAS: Non-biodegradable, single use plastic bags are often discarded into the environment and end up polluting our waterways, clogging sewers, endangering marine wildlife and causing unsightly litter. These bags last hundreds of years in landfills and are a potential source of harmful chemicals when they break down; and

WHEREAS: Americans use 100,000,000,000 plastic checkout bags every year; and

WHEREAS: Plastic bags don't decompose; they only break down into smaller pieces of poison that pollute our seas; and

WHEREAS: Plastic is responsible for the deaths of over 100,000 sea animals and one million seabirds each and every year; and

WHEREAS: Worldwide, 1.2 trillion plastic bags are used; that is 300 bags for every adult at a rate of over one million per minute.

NOW, THEREFORE, BE IT RESOLVED, By the Governing Body of the Borough of Longport, in the County of Atlantic and State of New Jersey as follows:

- We strongly encourage the residents of Longport to use re-usable, cloth type shopping bags as opposed to single use, plastic bags.
- We encourage our residents to educate others about how detrimental plastic bags are to our marine life and hopefully enhance compliance through awareness.

THIS RESOLUTION SHALL TAKE EFFECT IMMEDIATELY

COMMISSIONER	RECORD OF GOVERNING				MOT.	N
	AYE	NAY	NV	A.B.		
RUSSO	xx				xx	
LEEDS	xx					
LAWLER	xx					

X-Indicates Vote NV-Not Voting

This is a Certified True copy of the Original Resolution on file in the City Clerk's Office.

DATE OF ADOPTION: 2-25-2015

Janice K. Callaghan
Janice K. Callaghan, RMC City Clerk

**RESOLUTION
NO 84 OF 2015
ENCOURAGE USE OF REUSEABLE, CLOTH TYPE SHOPPING BAGS
AS OPPOSED TO SINGLE USE PLASTIC BAGS**

WHEREAS, Non-biodegradable, single use plastic bags are often discarded into the environment and end up polluting our waterways, clogging sewers, endangering marine wildlife and causing unsightly litter; and

WHEREAS, plastic bags last hundreds of years in landfills and are potential source of harmful chemicals when they break down; and

WHEREAS, plastic is responsible for the deaths of over 100,000 sea animals and one million seabirds each and every year; and

WHEREAS, worldwide, 1.2 trillion plastic bags are used; that 300 bags for every adult at a rate of over a million per minute.

NOW, THEREFORE, BE IT RESOLVED by the Ventnor City Board of Commissioners that:

- We strongly encourage the residents of Ventnor to use re-usable, cloth type shopping bags as opposed to single use, plastic bags.
- We encourage our residents to educate others about how detrimental plastic bags are to our marine life in an effort to increase compliance through awareness.

I, JANICE K. CALLAGHAN, City Clerk of the CITY OF VENTNOR CITY, do hereby certify that the foregoing resolution was duly adopted at a regular meeting of the Ventnor City Board of Commissioners held this 16th day of July, 2015 and in witness whereof I have hereunder set my hand and official seal on this date written.

	Motion	Second	Yes	No	Absent
Norris			x		
Kelly			x		
Haguel			x		
			x		

Janice K. Callaghan
JANICE K. CALLAGHAN, RMC
CITY CLERK



Margate Community Farmers Market to go plastic bag-free this year

MARGATE - The Margate Community Farmers Market, which opens this week, is becoming a BYOB or "bring your own bag" market.

Beginning next week, June 25, the market will require that patrons bring their own reusable bags and that vendors do not distribute plastic bags. Exceptions will be made for seafood, meats and iced items.

"By asking shoppers to bring their own bags, we're hoping to reduce the number of plastic bags that find their way into the environment, and ultimately the ocean," said Cookie Till, who runs the community market. "So far, people have been very receptive to this change. They understand what we're trying to do. As a coastal community, we need to have higher standards when it comes to protecting our environment. That responsibility comes with the privilege of living where we do."

"All of the Downbeach communities applaud Cookie for taking the lead," said Monica Coffey, Sustainable Margate chairperson. "More than 9 million plastic bags are generated each year by Longport, Margate and Ventnor residents alone. Sustainable Downbeach is working to educate businesses and residents of all three towns about reusable bags. To have the farmers market embrace this policy goes a long way in this effort."



Lauren DePietro and Kathy Sayers of Bridgeton sell heirloom tomatoes from Cherry Lane Farms at Margate's Community Farmers Market just before Thanksgiving last year.

"We all have to do our part to protect them."

The Surfrider Foundation is also a supporter. "Surfrider Foundation's 'Rise Above Plastics' program encourages everyone to make small changes, like using reusable bags and water bottles, rather than depending on single use plastics," said Beth Kwart, chairwoman of the Surfrider Foundation's South Jersey Chapter.

"Brigantine's farmers market went plastic free this year and we are so happy Margate's farmers market is also taking initiative to prevent plastics from harming our oceans," Kwart said. "Plastic bags are made from oil, which is a waste of a nonrenewable resource, and cannot decompose, clogging our storm drains and ending up in the ocean."

life. Reusable cloth bags are the best option." Till said the new policy, which asks vendors not to use plastic bags, just makes sense.

"We were approached by Sustainable Downbeach, which includes Margate, Ventnor, Longport green team members, asking if we'd be open to the idea and of course we said yes," Till said. "We appreciate the support we've received from the vendors and we're expecting the same level of support from the shoppers."

The market will be open 8:30 a.m. to noon every Thursday until Sept. 10. Steve and Cookie's Bay, Amherst and Margate avenues. A limited number of reusable bags will be available for those who do not have their own.



Downbeach communities continue to raise awareness about single-use bags

Sustainable Margate, the Ventnor Green Team and Longport Borough, in conjunction with the Surfrider Foundation South Jersey Chapter, are hosting a second showing of the award-winning documentary film "Bag It: Is Your Life Too Plastic?" for local businesses 7-9 p.m. Thursday, April 9 at Ventnor Coffee. There is no charge to attend. Light hors d'oeuvres will be served.

"Bag It" follows "everyman" Jeb Berrier as he tries to make sense of our dependence on plastic bags. The average American uses about 500 plastic bags each year, for about 12 minutes each. This single-use mentality has led to the formation of a floating island of plastic debris in the Pacific Ocean more than twice the size of Texas.

"This screening is another step in the effort to raise awareness and get more residents to use reusable bags," said Ventnor Green Team member Diane Birkbeck. "The amount of trash and litter created by single-use plastic bags is a big concern for us."

"When you calculate the number of bags generated by Downbeach residents alone - close to 9 million each year - it's not hard to understand why

plastic bags are seemingly everywhere," said Monica Coffey, Sustainable Margate chairwoman. "And as coastal communities, we have a responsibility to hold ourselves accountable to a higher standard."

"Thankfully, the message seems to be resonating with both residents and businesses, but we still have work to do."

"Surfrider Foundation supports increasing education about plastic bags, which is why we are partnering on this important issue with Margate, Ventnor and Longport," said Surfrider's South Jersey Chairwoman Beth Kwart. "As an organization, we are committed to protecting and enjoying our oceans, waves, and beaches."

He called plastic bags "an unnecessary nuisance - they harm wildlife, are made from oil, cannot decompose, are not easy to recycle, and no one wants to see them stuck in the dunes or blowing into the ocean."

Kwart, will lead a discussion following the movie.

All Downbeach businesses are invited to attend the event. The event is free, but seating is limited. RSVP by April 6 to NIVGoGreen@yahoo.com.

Sustainable Downbeach

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November 2015 Longport becomes first NJ town to place fee on plastic and paper bags

Press of Atlantic City editorial February 22, 2018

http://www.pressofatlanticcity.com/news/breaking/our-view-plastic-bag-bans-good-by-towns-better-by/article_d7244cda-ccd1-56c3-bd07-134f3fc9937c.html

Our view: Plastic bag bans good by towns, better by state, best by nation

10 hrs ago

Atlantic County freeholders consider banning plastic bags in county parks



Ventnor to discuss single-use bag fee

New Jersey may like to think of itself as an environmental leader, with many Superfund cleanups and lots of solar energy production for a small and not especially sunny state.

But regarding one of the most direct impairments of the environment — polluting it with nearly indestructible plastic waste — New Jersey is one of the worst offenders. It's a coast state that is contributing to the plastic pollution crisis that has covered a third of the world's ocean surfaces. And only a few municipalities have stepped up to reduce or eliminate wholly unneeded single-use plastic bags.

Locally, the Brigantine farmers market got things started in 2015 with a ban on disposable plastic shopping bags.

Later that year, Longport became the first town in New Jersey to discourage non-reusable carryout bags, by requiring a fee of at least 10 cents each for them.

Long Beach Township has enacted a bag ban that will take effect in May, and Teaneck in Bergen County will require a 5-cent fee as of July.

WHYY

COMMUNITY

NEW JERSEY

Down the Shore

Another Shore town proposes bag fee ordinance

By [Justin Aucello](#) · February 12, 2018



(AP Photo/Richard Drew)

Ventnor is the latest Jersey Shore municipality to propose a fee for single-use bags.

Sustainable Downbeach

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Ventnor commissioners approve carryout bag fee ordinance

February 23, 2018

VENTNOR – The city has become the second municipality in Atlantic County to impose a fee on single-use carryout bags.



By MichaelisScientists

After nearly two years of consideration, the Board of Commissioners held a public hearing Thursday, Feb. 22 and unanimously approved the ordinance,

which imposes a 5-cent fee on carryout paper, plastic and "reusable" plastic bags with a thicker millage. The fee will be charged at the checkout counter in all stores, except dine-in restaurants, and be retained by the store owner.

Shoppers who do not want to pay the 5-cent fee for each bag they take from the store will have to bring their own reusable bags when they go shopping in Ventnor.

"The bottom line is this ordinance is a culture change for future generations," Mayor Beth Holtzman said. "We're not doing it to fine people and drag them into municipal court every week. It's to change the culture and have people use reusable bags and make this part of New Jersey more green."

Commissioner Tim Kriebel said he struggled with his affirmative vote, because he was concerned about the impact the ordinance would have on small and large businesses in the city.

"There are plenty of reasons to not do this. What tips the scales for me is that we are a coastal community. We are uniquely responsible for our environment. And we also have

Ventnor ordinance
takes effect
October 1, 2018

\$10,000
Sustainable Jersey
grant for reusable
bag outreach and
education



Atlantic County
Executive Office

Dennis Levinson
County Executive

609/343-2201 FAX: 343-2194
TDD: 348-5551

May 14, 2018

Dear Mayor and Council/Commission/Committee members:

It is long overdue that we, as elected officials, have a serious discussion on the use of disposable plastics, such as plastic bags, water bottles, and food packaging. Approximately 300 million tons of plastic are produced each year, most of which cannot be recycled.

For years, many of us have advocated for a reasonable approach to curbing the use of plastic. Perhaps a realistic start would be the elimination of plastic bags, which are everywhere we look. Our lakes, rivers, forested areas, parks, and downtowns are littered with the ubiquitous plastic bag. A substantial amount end up in our storm drains and inevitably in our ocean. As a result, bits of plastic enter our food chain through the fish and shellfish we eat. Marine mammals often mistakenly ingest plastic debris causing them harm if not death. About 94% of all sea birds have plastic in their stomachs.

New Jersey has no "bottle bill" like other states, including our neighbors Delaware and New York, that use it to encourage people to return these containers that account for as much as 60% of litter and clog our sewers, streets, waterways and wilderness areas. But a ban on non-compostable plastic bags could be implemented without state legislation.

Longport and Ventnor stand at the forefront on this issue in Atlantic County as both towns have instituted policies on single-use bags to reduce the amount of waste and its negative impact on our environment. Other New Jersey municipalities have passed or are considering these policies.

Many more communities have periodic "beach sweeps" or other cleanup events around rivers, lakes and wooded areas. The county recently participated in a cleanup that collected 35 bags of recyclables. Regardless of the location, more than 90% of the litter collected at these events is plastic!

County government cannot legislate to municipalities as state governments can, we can only suggest. In the meantime, the Board of Freeholders will pass an ordinance to eliminate plastic bags from the more than 7,000 acres of county parks.

Perhaps each municipality could form a committee consisting of both environmentally-committed citizens as well as those not as committed, to make their recommendations to their governing body, and/or to urge our state legislators to create a comprehensive state plan as New York, among others, is doing. Either way the discussion may serve to raise public consciousness.



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Visit our web site at <http://www.aclink.org>
Atlantic County is an Equal Opportunity Employer



Atlantic County Government Gets on Board May 2018

This movement began in Denmark with Italy and Ireland soon following suit. Since then many nations have instituted bans. And the European Union has required an 80% reduction of plastic bags by 2019.

New Jersey is the Garden State where we enjoy clean rivers, lakes, ocean water, pristine wooded areas, and a rich agricultural history. It's time we do more to ensure our ability to live up to our motto.

Sincerely,

Dennis Levinson
County Executive

c: Atlantic County Board of Freeholders

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Beach Sweeps



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Sign up to Volunteer!

ATLANTIC CITY - VENTNOR - MARGATE - LONGPORT

ABSECON ISLAND

BACK BAY CLEAN UP

SATURDAY SEPTEMBER 17TH, 2016

SEPT 17TH 10AM-2PM

Web: tinyurl.com/abseconislandbaycleanup
Phone 609-412-3635

Are you tired of seeing trash floating in our bays, marshes, and around our waterways? Let's do something about it. We're picking up trash on land and by water on boats, kayaks, and paddleboards. Come out and do your part to beautify our back bays.

Special thanks:

Sustainable Downbeach, Teal Cruises, Ventnor, Margate City, Longport, Atlantic City Clean Communities Program, 85.1 WAYV, Margate Business Association, Newport Marine Inc, Atlantic County Utilities Authority, Steve & Cookies, Ventnor Tourism, Surfider Foundation South Jersey Chapter, Ventnor Go Green, Ray Scott Dock

Debris Collection Locations:

ATLANTIC CITY
ACHS BOAT HOUSE
3401 Fairmount Ave



MARGATE CITY
Teal Cruises Dock
9317 Amherst Ave

LONGPORT

Newport Marine - 6403 Sunset Ave
Viking Rowing Club - Surrey & Calvert Ave

Longport City Hall Dock
24th Ave and the Bay

1st Annual Absecon Island Back Bay Cleanup



1st Annual Absecon Island Back Bay Cleanup



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TRASH COLLECTED

Citizen scientist: Record the total number of items picked up by volunteers at the Cleanup site. The data you record are important for creating solutions for Trash Free Seas.®

Please DO NOT use words or check marks. Only **numbers** are useful data.

TOTAL # ↓ **EXAMPLE**
28 Plastic Bags

TOTAL #	MOST LIKELY TO FIND ITEMS	TOTAL #	
808	Cigarette Butts	3418	Beverage Bottles (Plastic)
2047	Food Wrappers (candy, chips, etc.)	971	Beverage Bottles (Glass)
602	Take Out/Away Containers (Plastic)	869	Beverage Cans
313	Take Out/Away Containers (Foam)	493	Grocery Bags (Plastic)
893	Bottle Caps (Plastic)	336	Other Plastic Bags
305	Bottle Caps (Metal)	40	Paper Bags
474	Lids (Plastic)	772	Cups & Plates (Paper)
922	Straws/Stirrers	529	Cups & Plates (Plastic)
303	Forks, Knives, Spoons	379	Cups & Plates (Foam)

TOTAL #	FISHING GEAR:
12	Fishing Buoys, Pots & Traps
11	Fishing Net & Pieces
65	Fishing Line (1 yard/meter = 1 piece)
127	Rope (1 yard/meter = 1 piece)

TOTAL #	PACKAGING MATERIALS:
107	6-Pack Holders
238	Other Plastic/Foam Packaging
316	Other Plastic Bottles (oil, bleach, etc.)
169	Strapping Bands
281	Tobacco Packaging/Wrap

TOTAL #	OTHER TRASH:
6	Appliances (refrigerators, washers, etc.)
113	Balloons
173	Cigar Tips
81	Cigarette Lighters
212	Construction Materials
0	Fireworks
15	Tires

TOTAL #	PERSONAL HYGIENE:
12	Condoms
25	Diapers
13	Syringes
77	Tampons/Tampon Applicators

ITEMS OF LOCAL CONCERN:	TOTAL #
1. balls, docks, trailer	
2. plastic chairs	
3.	

TOTAL #	TINY TRASH LESS THAN 2.5CM:
110	Foam Pieces
435	Glass Pieces
1205	Plastic Pieces

DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
	Dead or Injured	Yes or No	
	Dead or Injured	Yes or No	
	Dead or Injured	Yes or No	

Thank you for your valuable contributions to the Cleanup!

1st Annual Absecon Island Back Bay Cleanup

13,700 pounds of debris collected by 177 volunteers!



2014: Margate Says 'No' to Balloon Litter

Proposed Ordinance for Margate City, NJ

"The intentional releasing of helium balloons including latex and mylar into the atmosphere is prohibited under Margate City law."

Release of balloons

(1) Margate finds that the release into the atmosphere of balloons, inflated with lighter-than-air gases pose a danger and nuisance to the environment, particularly to wildlife and marine animals.

(2) It is unlawful for any person, firm, or corporation to intentionally release, organize the release, or intentionally cause to be released balloons inflated with a gas that is lighter than air except for:

- (a) Balloons released by a person on behalf of a governmental agency or pursuant to a governmental contract for scientific or meteorological purposes;
- (b) Hot air balloons that are recovered after launching; or
- (c) Balloons released indoors

(3) Any person found in violation is guilty of a noncriminal infraction, punishable by a fine of \$500.

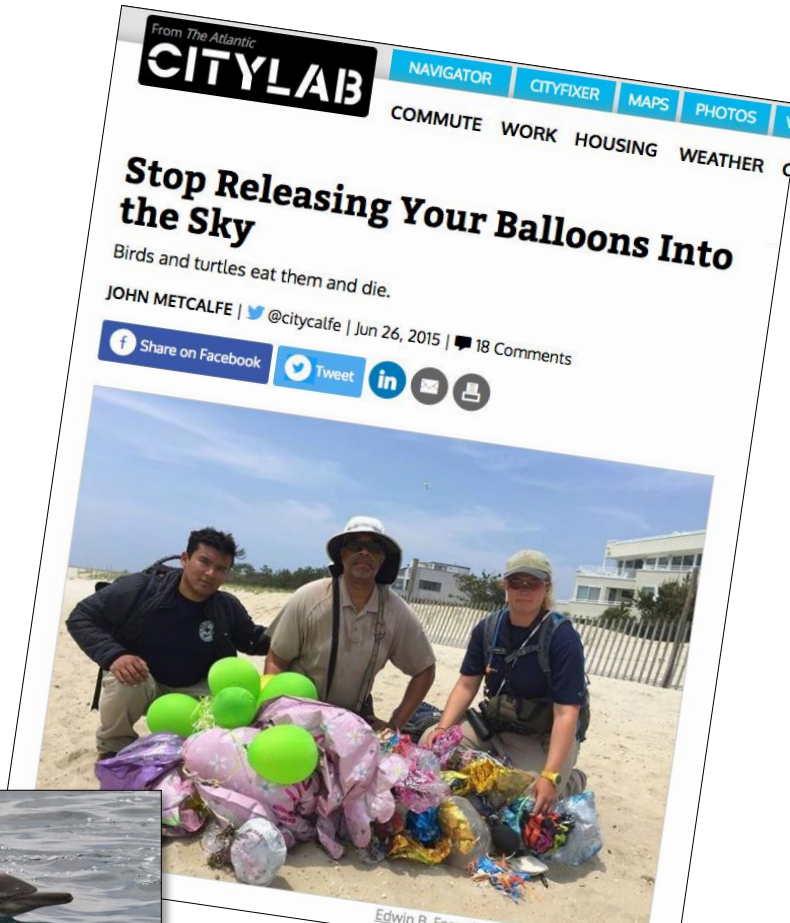


Sustainable Downbeach

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National Coverage of Balloons Collected at Forsythe National Wildlife Refuge



All four Absecon Island say 'No' to the intentional release of balloons



Compassionate
CITY AWARD

PETA recognizes and thanks

**ATLANTIC CITY,
NEW JERSEY**

for banning the outdoor release of balloons in order to protect sea animals.

February 2017




Ingrid E. Newkirk, President



PETA | PEOPLE FOR THE ETHICAL TREATMENT OF ANIMALS

SNJ Today 4 hrs · 🌐

Releasing helium balloons outdoors in Atlantic City is now a banned and comes with a hefty fine. More here: <http://ow.ly/bpUY308oic4>



SNJ Today AC Approves Balloon Ban
BANS OUTDOOR RELEASE OF HELIUM BALLOONS

Atlantic City Criminalizes Outdoor Releasing of Helium Balloons

Atlantic City has joined the list of shore communities that have criminalized the outdoor release of helium balloons. Proponents of the ban see it as a way to...

SNJTODAY.COM

👍 🐾 🍷 77 17 Comments 24 Shares

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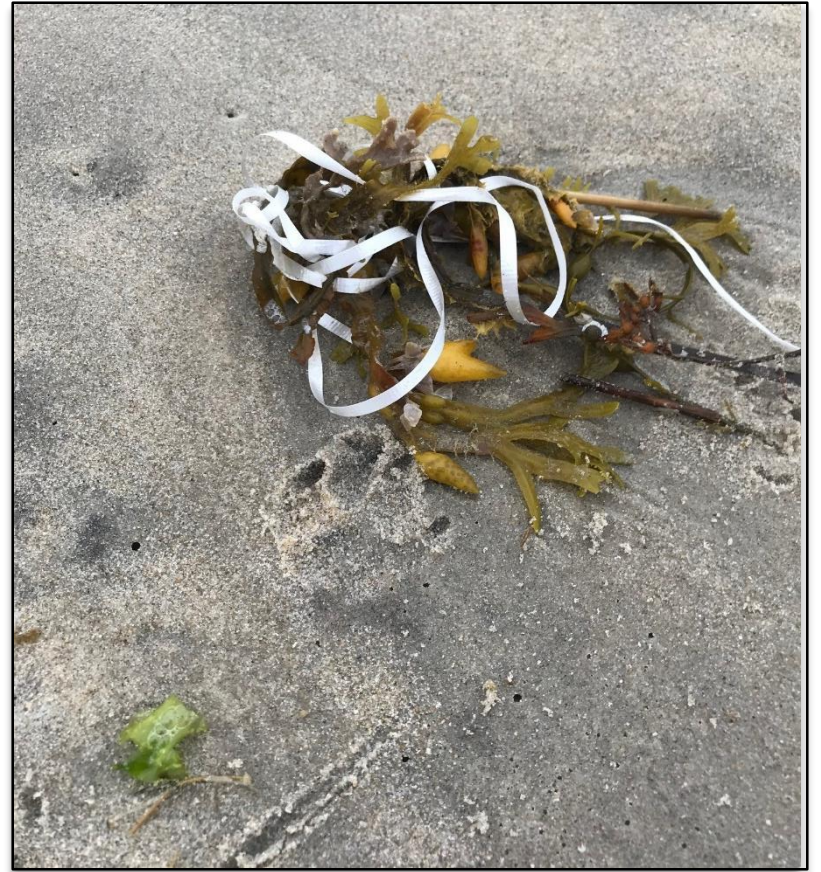




*Photography by
Mazzeo Studio*







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LONGPORT, MARGATE AND VENTNOR WORKING TOGETHER FOR A GREENER ABSECON ISLAND





Sustainable Downbeach

LONGPORT, MARGATE AND VENTNOR WORKING TOGETHER FOR A GREENER ABSECON ISLAND



Balloons: More needs to be done

Statewide legislation sponsored by the late Senator Whelan finally has new sponsors and new bill numbers



What's ahead?



Continue plastic bag outreach/education work in Ventnor, while continuing outreach and education in Margate and Atlantic City.



Continue work with Surfrider to target other types single-use plastic, including straws.



Work with Surfrider to increase public education regarding monofilament recycling boxes located throughout Absecon Island





Thank you!

Sustainable Downbeach

LONGPORT, MARGATE AND VENTNOR WORKING TOGETHER FOR A GREENER ABSECON ISLAND



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BRONZE



Q&A

This event was made possible in part through our Event Sponsor:



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