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Municipal Waste Management: Suffolk County Municipal Systems, Services and Infrastructure

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WASTE REDUCTION AND MANAGEMENT INSTITUTE

SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

Municipal Waste Management
Suffolk County Municipal
Systems
Services and Infrastructure

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Introduction

Municipal programs for waste management have been in place in communities in Suffolk County for decades. Major changes occurred in these programs in the 1980s and 1990s due to the Long Island Landfill Law (passed in 1983) and increases in environmental awareness. These changes led to recycling and yard waste composting programs, and waste-to-energy (WTE) incineration replaced landfilling as the dominant disposal technology. Management of municipal programs remains a function of local government, despite State efforts (in the late-1980s) and western Town initiatives (in the 1990s) to organize operations on a wider, inter-municipal basis. State regulations recognize Towns as the basic unit for waste management in Suffolk County, but some villages have maintained considerable operational autonomy in four of the western five Towns (Babylon, Brookhaven, Huntington, and Islip). The complexity of the resulting matrices of services do not approach those found in Nassau County, but can be complicated in some instances, nonetheless. Here we report on the specific ways municipalities in Suffolk County offer waste management programs, and the facilities they use to conduct these operations.

Solid Waste Planning Units

Solid Waste Planning Units in New York State were delegated authority to plan for and manage local wastes by the New York State Department of Environmental Conservation (NYSDEC) through its regulations (6NYCRR Part 360). New York State law (GML-120-aa) also requires each planning unit to create local regulations establishing mandatory source separation programs for recyclables. Additionally, each

planning unit was required to create a local Solid Waste Management Plan (SWMP) (including a Comprehensive Recycling Analysis), detailing how its program would accord with the State Solid Waste Management Plan waste hierarchy. This hierarchy specifies that waste reduction is the best means of managing waste; recycling is next best. Incineration with energy recovery ranks higher as a disposal technology than landfilling. Each local SWMP was to describe how the planning unit would meet the State goal of 50% recycling for 1997 (this goal was subsequently modified to a 42% recycling and 8% waste reduction goal).

In Nassau and Suffolk Counties on Long Island, the 13 Towns and two Cities were designated as the local planning units, in contrast to the remainder of the State where Counties and aggregations of Counties were given this responsibility. There are ten Towns in Suffolk County (Figure 1). Each of the Towns submitted SWMPs for State review, and all of the SWMPs except for the Riverhead plan were eventually approved. Many of these plans are currently due for renewal (Table 1). The State itself completed a new Solid Waste Management Plan in 2010.

Map 1. Long Island Map

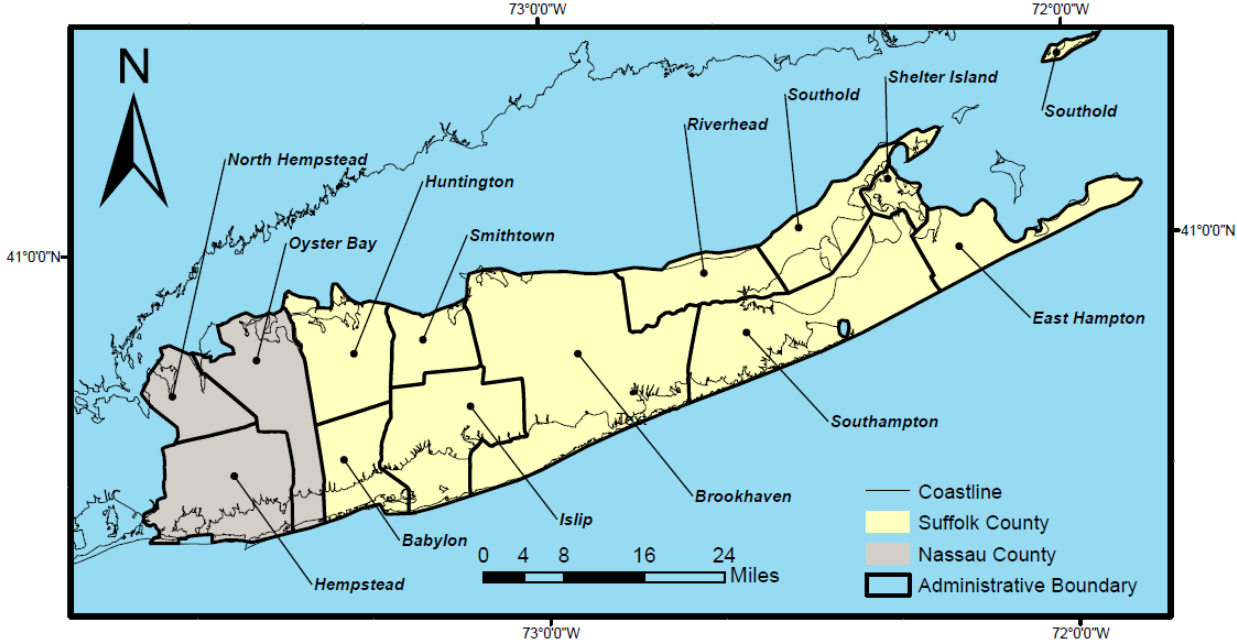


Table 1. Suffolk County Towns Solid Waste Management Plan Status

Town	Approved?	Status
Babylon	Y (1991; amended 1993)	Expires 2012. Original prepared by GBB.
Brookhaven	Y (1993)	Expired (2009). Original prepared by D&B; approved revision prepared by Tonjes. Revision submitted (2012) by LKMA.
East Hampton	Y	Expired (2010). Revision prepared by D&B, submitted to NYSDEC, comments received.
Huntington	Y	In force until 2015. Prepared by D&B.
Islip	Y	Expires 2012. Revision being prepared in-house; Original prepared by REP
Riverhead	N	Never approved. Original prepared by D&B. Revision submitted (2010) by CA; State comments received (2011).
ShelterIsland	Y (2001)	Expired (2010). Original prepared by D&B; approved revision prepared by WRMI.
Smithtown	Y	Expires 2012. Original prepared by REP.
Southampton	Y (1990)	Expired (2010). Original prepared by MP. Revision prepared by CDM and submitted to NYSDEC (2012).
Southold	Y (1995)	In force until 2015. Original prepared by D&B; approved revision prepared by Bunchuck.

Key: CA = Cashin Associates; CDM = Camp Dresser and McKee; D&B = Dvirka and Bartilucci; GBB = Gershman, Bricner and Bratton; LKMA = LK McLean Associates; MP = Malcolm Pirnie, Inc.; WRMI = Waste Reduction and Management Institute); REP = R.E. Pustorino.

The Town plans resulted in different approaches to managing municipal solid waste (MSW). Many of the plans, even if still in force, no longer accurately depict the programs being used to manage wastes today, as the plans were prepared when Town programs were still being developed. The revised SWMPs being prepared at this time reflect more mature programs that have facilities in place, and often are associated with long-term contractual arrangements and obligations. The degree that NYSDEC will require these revisions to reflect the very aggressive goals of the current State SWMP has not yet been determined.

There are 33 villages in Suffolk County. Each village in Suffolk County is located within a Town. All villages on Long island were incorporated under State law after the Revolutionary War. They thus post-date the eight Town governments created before the formation of New York State (Brookhaven, East Hampton, Huntington, Islip, Shelter Island, Smithtown, Southampton, and Southold) and thus their administrative authority post-dates the formation of Town governments. Note that the Town of Babylon was formed from the Town of Huntington in 1872, but this government preceded the incorporation of its villages: Amityville in 1984, Babylon in 1893, and Lindenhurst in 1923. Many villages on Long Island were created in the agrarian 1800s when these areas served as local population centers, but others have formed more recently (such as Sagaponack and Mastic Beach in the 21st Century).

Certain villages have adopted distinct MSW programs for their residents. None of the Town SWMPs exclude constituent villages from the plans, and so technically the incorporated villages are required to follow the plans adopted by the Towns. This is especially true for the recycling regulations passed to accord with State law. Nonetheless, 19 villages offer their own idiosyncratic set of services. Typically, even these villages mostly use elements of their Town's programs, such as household hazardous waste and electronic waste (e-waste) collections. We did not find any significant deviations in recycling services, for instance, except for yard waste and metals management in some of the villages.

Report Methodology

Profiles have been prepared for all of the municipal elements (Towns and villages) that manage solid waste in Suffolk County. The profiles report primary features of waste management programs, such as collection programs, materials recycled, composting programs, household hazardous waste collections, and public education and outreach programs. The facilities where wastes are managed are listed. Information was collected directly from municipal sources, primarily from websites but also through interviews with responsible municipal officials. The municipal officials that helped in the completion of this report are listed in the Acknowledgments section. Any data gaps represent information which was unable to be obtained from the municipalities. Population data are from the 2010 US census.

Town of Babylon

Map 2. Babylon Town Map

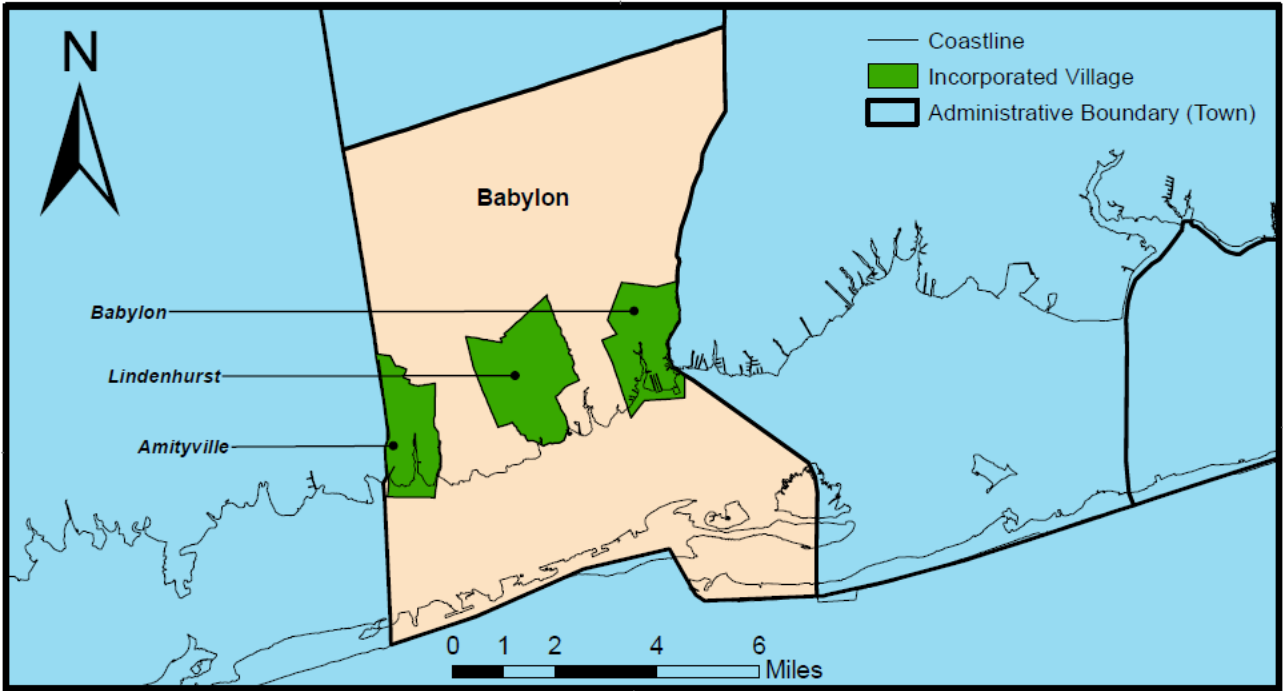


Table 2. Babylon Town Characteristics

Land Area (mile²):	Population:	Density (people/mile²):
52.3	213,603	4,084

The Town of Babylon organizes its solid waste program through two Town-wide districts. One district was created for residential waste management. Another district was created for commercial waste management. The Town bids a single contract for each district. The Town’s program is funded primarily by user fees included in real estate assessments.

The commercial district is not intended to provide comprehensive waste management services. Instead, the commercial waste district requires each business to be provided with a base level of service, the scope of which is dependent on the size and type of the business. The business may choose to manage any other waste management needs it may have either by contracting with the Town for expanded services or contracting with a private carter. The Town does not collect recyclables under the commercial waste district contract.

The Town owns and operates a residential drop-off facility (the Residential Recycling Facility in West Babylon), an ashfill for the Covanta Babylon WTE facility, and owns the land where a Waste-To-Energy (WTE) facility is located. Covanta Energy owns and operates the WTE facility on this Town property.

The Town's program is managed through the Department of Environmental Control. The Commissioner (2012) is Vicky Russell.

Table 3. Babylon Waste Management Program

Curbside Collection	
Municipal or Private:	Private
Number of Days:	Residential MSW: 2 days/wk; commercial MSW: 1 day/wk; recyclables: 1 day/wk (paper one week, containers the next)
Paper Collected:	Newspaper, corrugated cardboard, magazines, telephone books, junk mail
Containers Collected:	Glass and metal containers, #1 and #2 plastics
Yard Waste Collected:	Year round 1 day/wk
Other Materials:	Limited residential C&D collected (up to two items) on the second garbage day of the week
Recycling Bin Provided:	Yes (or clear plastic bags may be used)

Special Programs	
Drop-Off Facility:	For residential recyclables and waste oil, car batteries, rocks/bricks, household batteries, oil filters, concrete, and tires
STOP Program:	2 days/yr at the Residential Recycling Facility
E-Waste Program:	Accepted at Residential Recycling Facility
Other Information:	Only Town on LI with a Commercial Collection district which provides partial collection service to businesses and multi-family dwellings. Businesses may opt to supplement Town collection services through private contracts. Babylon also has 2 residential clean-up days (Fall and Spring) where residents may bring materials to the Residential Recycling Facility

Babylon Villages

The Town of Babylon has three villages: Amityville, Babylon, and Lindenhurst. Amityville uses Town programs for waste services. Babylon and Lindenhurst manage their own wastes.

Table 4. Babylon Village Programs

Village	Babylon	Lindenhurst
Land area (mi²)	2.5	3.8
Population	12,166	27,253
Population Density (people/mi²)	4,826	7,172
Service Provider	Mu	Mu
MSW Collections/wk	Every other weekday	2
Recyclable Collections/wk	Same day as MSW	2
Yard Waste Collected?	Y	Y
Other Collections	Metal (by appt.)	Bulk (by appt.)
Village Facilities	Public Works Yard	None
Other Information	Back door collection; E-waste drop-off (Public Works Yard)	N/A

Key: Y=Yes; N=No; Mu=Municipal; Pr=Private; appt.=appointment

Town of Brookhaven

Map 3. Brookhaven Town Map

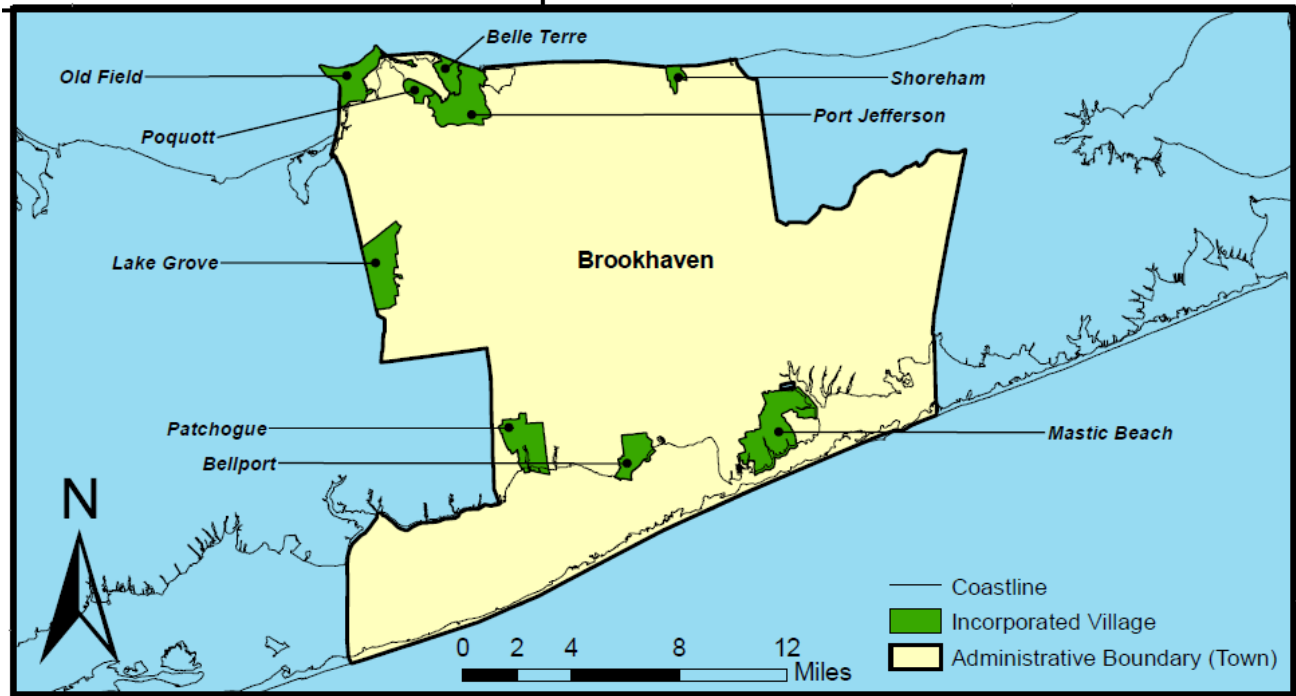


Table 5. Brookhaven Town Characteristics

Land Area (mile ²):	Population:	Density (people/mile ²):
259.3	486,040	1,874

The Town of Brookhaven provides residential collection services in 35 districts through contracts with private carters. The Town’s program is primarily funded by user fees collected via Town real estate taxes and tipping fees collected at the landfill.

The Town has a waste management facility in the hamlet of Brookhaven which contains a transfer station, MRF, yard waste processing center, landfill, residential drop-off site, STOP facility for household hazardous waste, C&D drop-off and processing

center, and a Landfill-Gas-to-Energy facility. The Town also owns and operates yard waste composting sites in Holtsville and Manorville.

The Town program is administered through the Department of Waste Management. Matt Miner currently (2012) serves as Commissioner.

Table 6. Brookhaven Waste Management Program

Curbside Collection	
Municipal or Private:	Private
Number of Days:	MSW: 2 days/wk; recyclables: 1 day/wk (paper one week, containers the next)
Paper Collected:	Newspaper, color inserts, magazine, junk mail, office paper, post-its, construction, school, PC paper, white ledger, fax paper, yellow legal pads, copy & shredded paper, Manila folders, NCR paper, wrapping paper, index cards, telephone books, sweepstakes forms, books (no covers) brown bags, corrugated cardboard
Containers Collected:	Glass, bottles, jars, tin, aluminum, bimetallic cans, aerosol spray cans, aluminum foil, aluminum food containers, #1-2 plastics
Yard Waste Collected:	Yes (19 weeks/year)
Other Materials:	Bulk: by appointment
Recycling Bin Provided:	Yes (for a fee) or residents may buy their own buckets and affix a Town recycling sticker

Special Programs	
Drop-Off Facility:	The Town operates a residential drop-off site at the waste management facility where recyclables, lead-acid batteries, waste oil, scrap metal, electronics, and tires may be dropped-off. Yard waste may be dropped-off at the composting sites
STOP Program:	The Town operates a STOP facility at the waste management facility which is open 1 day/wk (2 days/wk in the summer)
E-Waste Program:	E-waste may be dropped-off at the landfill facility. Additionally, several collection days are offered throughout the year at different locations
Other Information:	The Town does not manage commercial or industrial wastes except materials brought to Town facilities

Brookhaven Villages

The Town of Brookhaven has nine villages: (Belle Terre, Bellport, Lake Grove, Mastic Beach, Old Field, Patchogue, Poquott, Port Jefferson, and Shoreham). They all manage wastes on their own. Seven have contracts for collection with private carters (Belle Terre, Lake Grove, Mastic Beach, Old Field, Poquott, Port Jefferson, and Shoreham) while two use municipal crews (Bellport and Patchogue).

Table 7. Brookhaven Village Programs

Village	Belle Terre	Bellport	Lake Grove	Mastic Beach	Old Field
Land area (mi²)	0.9	1.5	3.0	5.3*	2.1
Population	792	2,084	11,163	12,930*	918
Population Density (people/mi²)	880	1,389	3,721	2,440	437
Service Provider	Pr	Mu	Pr	Pr	Mu
MSW Collections/wk	2	2	2	2	2
Recyclable Collections/wk	1	1	1	1	1
Yard Waste Collected?	Y	Y	Y	Y	N
Other Collections	Bulk	Bulk (by appt.)	Bulk (by appt.)	Bulk	Bulk (by appt.)
Village Facilities	None	None	None	None	None
Other Information	Back door collection	N/A	N/A	N/A	Residents can pay extra for back door collection

*As hamlet – no 2010 Census data available as an incorporated village.

Key: Y=Yes; N=No; Mu=Municipal; Pr=Private; appt.= appointment

Village (Continued)	Patchogue	Poquott	Port Jefferson	Shoreham
Land area (mi²)	2.3	0.4	3.0	0.4
Population	11,798	953	7,750	531
Population Density (people/mi²)	5,130	2,383	2,583	1,328
Service Provider	Mu	Pr	Pr	Pr
MSW Collections/wk	2	2	2	2
Recyclable Collections/wk	1	1	1	1
Yard Waste Collected?	Y	Y	Y	Y
Other Collections	Bulk (by appt.)	Bulk	Bulk (by appt.)	N
Village Facilities	Recycling Center	None	None	None
Other Information	N/A	N/A	N/A	N/A

Key: Y=Yes; N=No; Mu=Municipal; Pr=Private; appt.=appointment

Town of East Hampton

Map 4. East Hampton Town Map

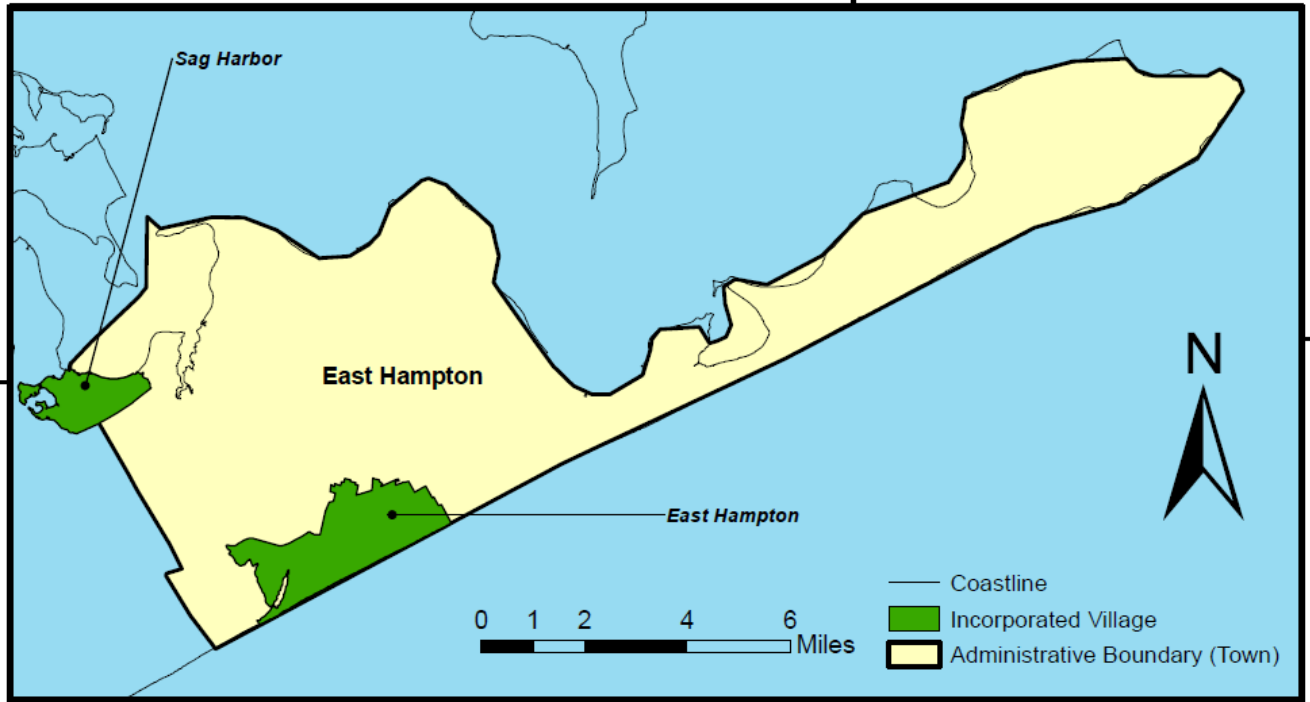


Table 8. East Hampton Town Characteristics

Land Area (mile ²):	Population:	Density (people/mile ²):
74.0	21,457	290

The Town does not provide collection services. Waste generators must contract with private carters for waste pick-up or bring their wastes to Town facilities. Residents who haul their own wastes are required to purchase a self-hauler permit annually, and carters are required to pay a tipping fee. The Town program is funded by tipping fees, the landfill access permit sales, and some general fund taxes (primarily raised through real estate assessments).

The Town owns and operates two residential drop-off facilities (in East Hampton and Montauk) for residential MSW, residential C&D, and recyclables. Both sites also accept commercial MSW and recyclables. East Hampton operates a composting site for yard waste in East Hampton.

The Department of Sanitation manages Town waste programs. The current (2012) department supervisor is Patrick Keller.

Table 9. East Hampton Waste Management Program

Collection	
Drop-off System:	The Town does not provide collection services. Waste generators must contract with private carters for waste pickup or bring their own waste to the Town facilities. Residents who bring their own waste are required to purchase self-hauler permits annually for \$100. Carters are required to pay a tipping fee
Paper Accepted:	All paper recyclables
Containers Accepted:	Glass, #1-2 plastics, aluminum and tin cans
Yard Waste Accepted:	Yes (includes grass)
Other Materials:	Batteries, appliances, tires, clothing, bulk metals

Special Programs	
Drop-Off Facility:	Residents may drop MSW, residential C&D, and recyclables at the 2 drop-off facilities
STOP Program:	The Town operates 2 collection days per year (1 at each transfer station)
E-Waste Program:	Collected at Town sites
Other Information:	N/A

East Hampton Villages

The Town of East Hampton has two villages: East Hampton and Sag Harbor (partially in Southampton Town). They both use the Town waste management program.

Town of Huntington

Map 5. Huntington Town Map

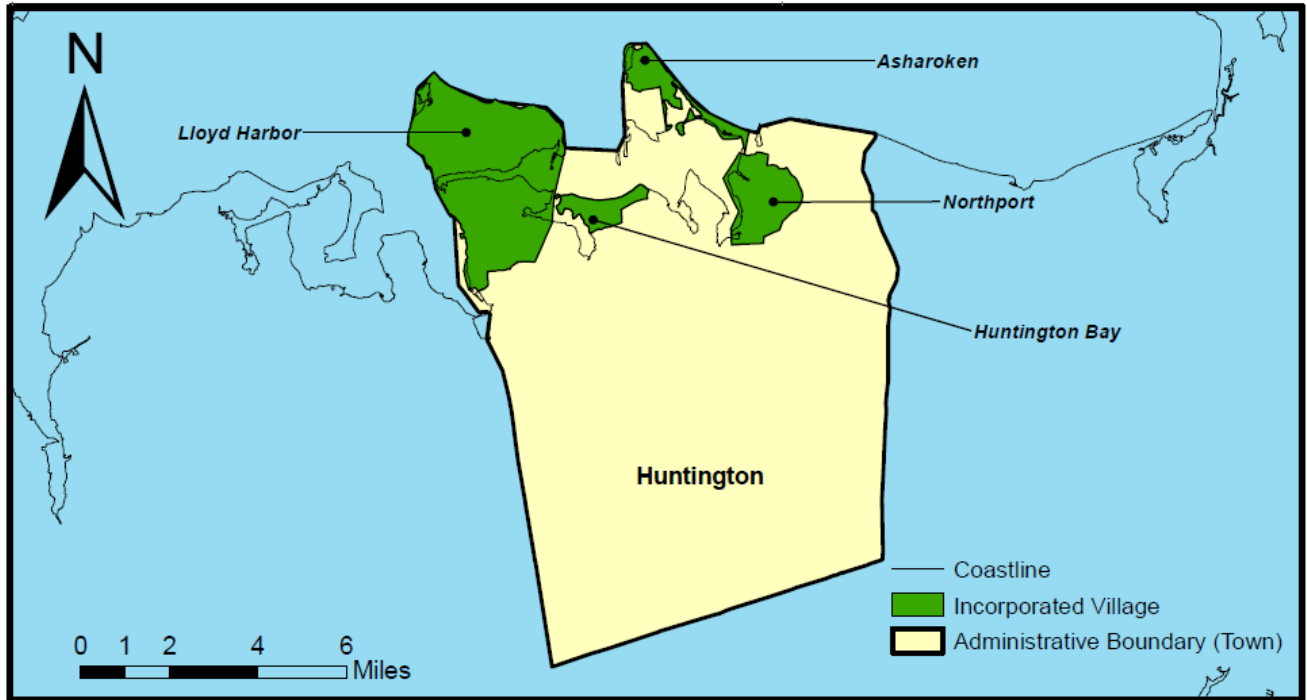


Table 10. Huntington Town Characteristics

Land Area (mile ²):	Population:	Density (people/mile ²):
94.0	203,264	2,162

The Town of Huntington has a consolidated refuse district made up of 18 contracted bid areas. Two areas (including the largest one) have services provided by municipal crews; the remaining 16 areas are serviced by private carters under contract. Municipal crews also provide curbside collection services to approximately 1,000 parcels included in the commercial refuse district. Refuse district fees are funded through collection of real estate taxes.

The Town operates a Recycling and Household Hazardous Waste Center in Huntington Village for residential drop-off. Covanta operates a WTE incinerator on Town property in East Northport. An inter-municipal agreement between Huntington and Smithtown provides access for Huntington residents to the Smithtown C&D transfer station (Smithtown has access and contractual obligations to use the Huntington WTE facility).

The Town's program is administered by its Division of Environmental Waste Management. Neal Sheehan is the current (2012) division director.

Table 11. Huntington Waste Management Program

Curbside Collection	
Municipal or Private:	Mixed (2 districts serviced by the Town, several contracted carters)
Number of Days:	MSW: 2 days/wk; recyclables: 1 day/wk (paper one week, containers the next)
Paper Collected:	Corrugated cardboard, newspaper, junk mail, chipboard, and magazines
Containers Collected:	Glass, metal, #1-7 plastics
Yard Waste Collected:	Weekly most of the year; bi-weekly in winter. There is a Town ban on grass clipping collection
Other Materials:	Bulk: up to 4 items may be placed at the curb for pick up on the second garbage pickup each week. Appointment only for large metal items
Recycling Bin Provided:	No- residents must buy their own bucket and affix a Town recycling sticker to it

Special Programs	
Drop-Off Facility:	In addition to the Huntington Village site, there is a residential drop-off facility in Kings Park, which is owned by the Town of Smithtown, but which may be used both residents of both Smithtown and Huntington. Residents may drop-off C&D, yard waste (no grass), appliances, and recyclables. These materials may also be dropped-off at the Town Recycling Center
STOP Program:	May be dropped-off at the Hazardous Household Waste Center
E-Waste Program:	May be dropped-off at the Recycling Center
Other Information:	MSW and mixed paper are collected separately 6 days/wk from businesses in the refuse district. Bottles and cans are collected 2 days/wk in the refuse district

Huntington Villages

The Town of Huntington has four villages: Asharoken, Huntington Bay, Lloyd Harbor, and Northport. They all manage wastes on their own. The villages of Asharoken and Lloyd Harbor provide municipal collection services, while Huntington Bay and Northport use private carters (currently, Winter Brothers and Tagg Sanitation, respectively).

Table 12. Huntington Village Programs

Village	Asharoken	Huntington Bay	Lloyd Harbor	Northport
Land area (mi²)	1.4	1.0	9.4	2.3
Population	654	1,425	3,660	7,401
Population Density (people/mi²)	467	1,425	389	3,218
Service Provider	Mu	Pr	Mu	Pr
MSW Collections/wk	2	2	2	2
Recyclable Collections/wk	1	1	1	1
Yard Waste Collected?	Y	N	N	Y
Other Collections	N	N	N	Bulk (by appt.); businesses in commercial district (same schedule as residents)
Village Facilities	None	None	None	None
Other Information	Village runs coastal clean-up program	N/A	N/A	Drop-off sites for household batteries.

Key: Y=Yes; N=No; Mu=Municipal; Pr=Private; appt.=appointment

Town of Islip

Map 6. Islip Town Map

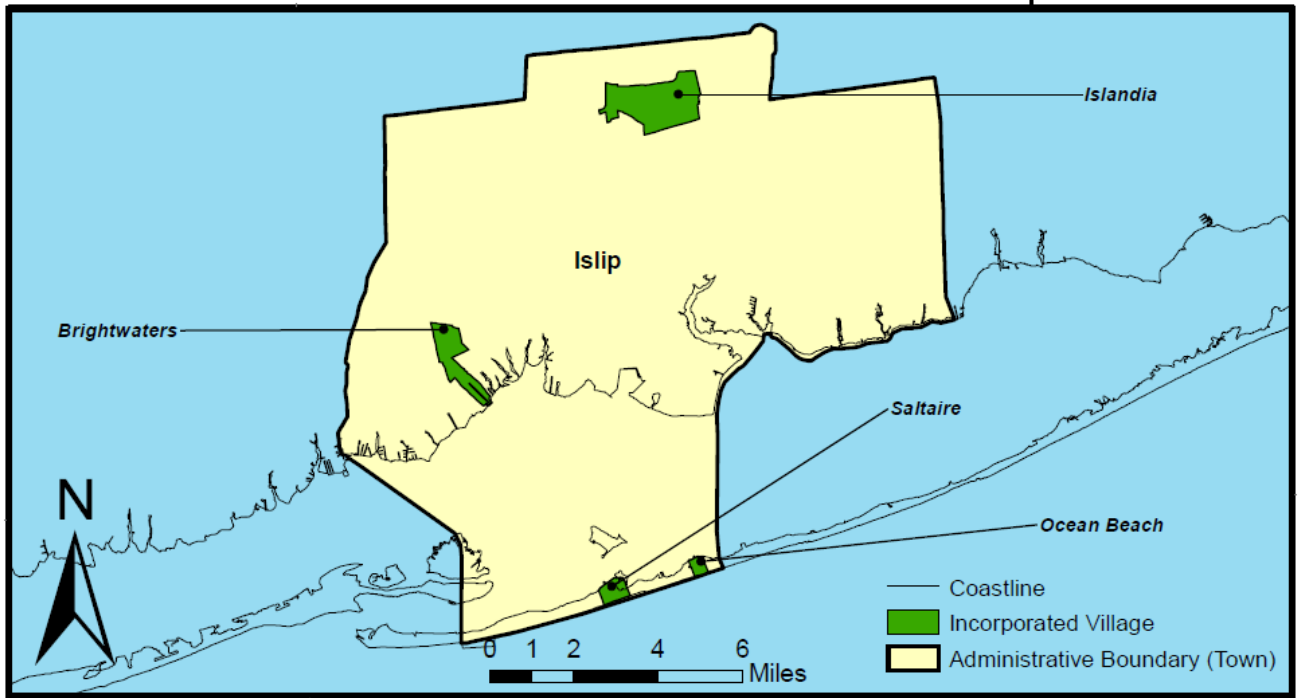


Table 13. Islip Town Characteristics

Land Area (mile ²):	Population:	Density (people/mile ²):
105.3	335,543	3,187

The Town of Islip has a consolidated refuse and garbage district with 70 Contract Bid Areas (CBAs), seven of which are served by municipal crews, while the 63 others are serviced by private carters under contract. The Town’s program is funded through user fees collected in Town real estate taxes and tipping fees at Town facilities. The Islip Resource Recovery Agency, by law, must balance its books each year.

The Town owns and operates a Multi-Purpose Recycling Facility (MRF) (in Holbrook), a yard waste composting site (in Ronkonkoma), a Construction and Demolition (C&D) landfill (in Hauppauge), and owns a WTE facility which is operated by Covanta (in Ronkonkoma).

The Town's program is administered by two different entities. Town facilities are managed by the Islip Resource Recovery Agency, as is the Town collection program. Administrative and public outreach functions, certain environmental monitoring contracts, and some other tasks are managed through the Department of Environmental Control. Eric Hofmeister currently (2012) serves as Department Commissioner and Agency President.

Table 14. Islip Waste Management Program

Curbside Collection	
Municipal or Private:	The Town has 70 contractual bid areas which are serviced through private contracts with the exception of 7 areas which are serviced with municipal crews
Number of Days:	MSW: 2 days/wk; recyclables: 1 day/wk (paper one week, containers the next)
Paper Collected:	Paper, newspaper, magazines, brown corrugated cardboard
Containers Collected:	Food and beverage cans, glass bottles and jars, #1 and 2 plastic containers
Yard Waste Collected:	1 day/wk seasonally
Other Materials:	Bulk: 1 day/wk
Recycling Bin Provided:	Yes

Special Programs	
Drop-Off Facility:	The Town's MRF accepts waste oil, batteries, e-waste, and household hazardous wastes. Residents may also drop-off yard waste at the composting site (grass accepted but not collected curbside). Islip's animal shelter and Town Hall West accept e-waste and batteries
STOP Program:	At Town MRF
E-Waste Program:	Collected curbside last Wednesday of every month and may be dropped-off at Town MRF, Town Hall West, or animal shelter
Other Information:	Established the first comprehensive curbside recycling program on Long Island

Islip Villages

The Town of Islip has four villages: Brightwaters, Islandia, Ocean Beach, and Saltaire. Ocean Beach and Saltaire are on Fire Island. All villages provide their own collection services.

Table 15. Islip Village Programs

Village	Brightwaters	Islandia	Ocean Beach	Saltire
Land area (mi²)	0.98	2.2	0.1	0.3
Population	3,103	3,335	79*	37*
Population Density (people/mi²)	3,166	1,516	790	123
Service Provider	Pr	Mu	Pr	Pr
MSW Collections/wk	2	1	2	2 (summer) 1 (winter)
Recyclable Collections/wk	1	1	1	2 (summer) 1 (winter)
Yard Waste Collected?	Y	Y	N	Y
Other Collections	Bulk (by appt.)	Bulk (1 day/wk)	Bulk (5 times per summer)	"Junk" 1 day/wk
Village Facilities	None	None	None	None
Other Information	Back door collection	N/A	N/A	Household battery drop-off

* year-round

Key: Y=Yes; N=No; Mu=Municipal; Pr=Private; appt.=appointment

Town of Riverhead

Map 7. Riverhead Town Map

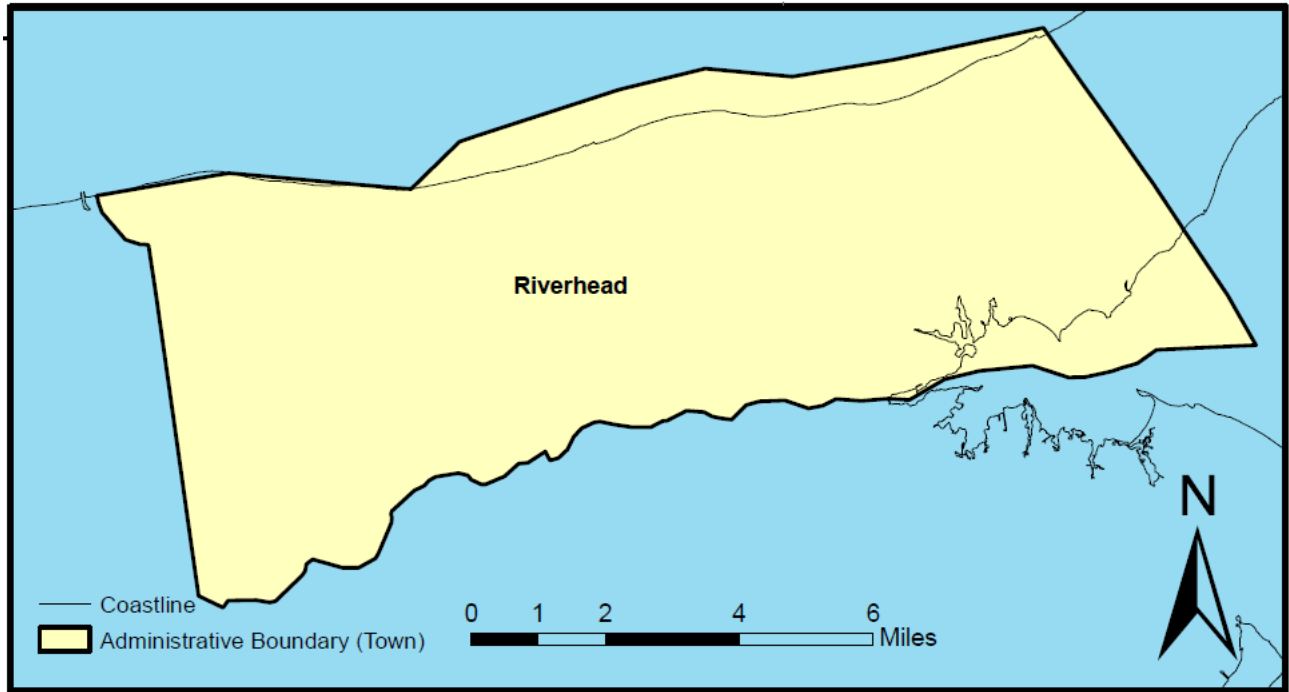


Table 16. Riverhead Town Characteristics

Land Area (mile ²):	Population:	Density (people/mile ²):
67.4	33,506	497

The Town privatized residential waste management operations in 1997, which means that private companies have contractual obligations for all residential collections, recycling services, and disposal activities. The Town selects the low bidder for these services, and passes along costs for services through the tax bills. The Town has six separate collection districts, which are all serviced by a single company (European American Waste Disposal). The services are funded by a tax administered through real estate assessments.

The Town manages a yard waste drop-off facility, but this site only manages materials that are dropped-off, not those collected by the private carter.

The Sanitation Department administers the Town's contracts and its facilities. John Reeve currently (2012) serves as superintendent.

Table 17. Riverhead Waste Management Program

Curbside Collection	
Municipal or Private:	Private
Number of Days:	MSW: 1 day/wk; recyclables: 1 day/wk (paper one week, containers the next)
Paper Collected:	Newspaper, corrugated cardboard, magazines, junk mail, phone books, catalogs
Containers Collected:	Glass, all plastics, metal cans
Yard Waste Collected:	1 day/wk (no grass)
Other Materials:	Bulk: 2 days/wk
Recycling Bin Provided:	Town decal provided for containers (2 decals/household/year)

Special Programs	
Drop-Off Facility:	No
STOP Program:	Collection 2 days per year in the highway department yard
E-Waste Program:	Collected at the STOP events
Other Information:	

Riverhead Villages

The Town of Riverhead does not have any villages.

Town of Shelter Island

Map 8. Shelter Island Town Map

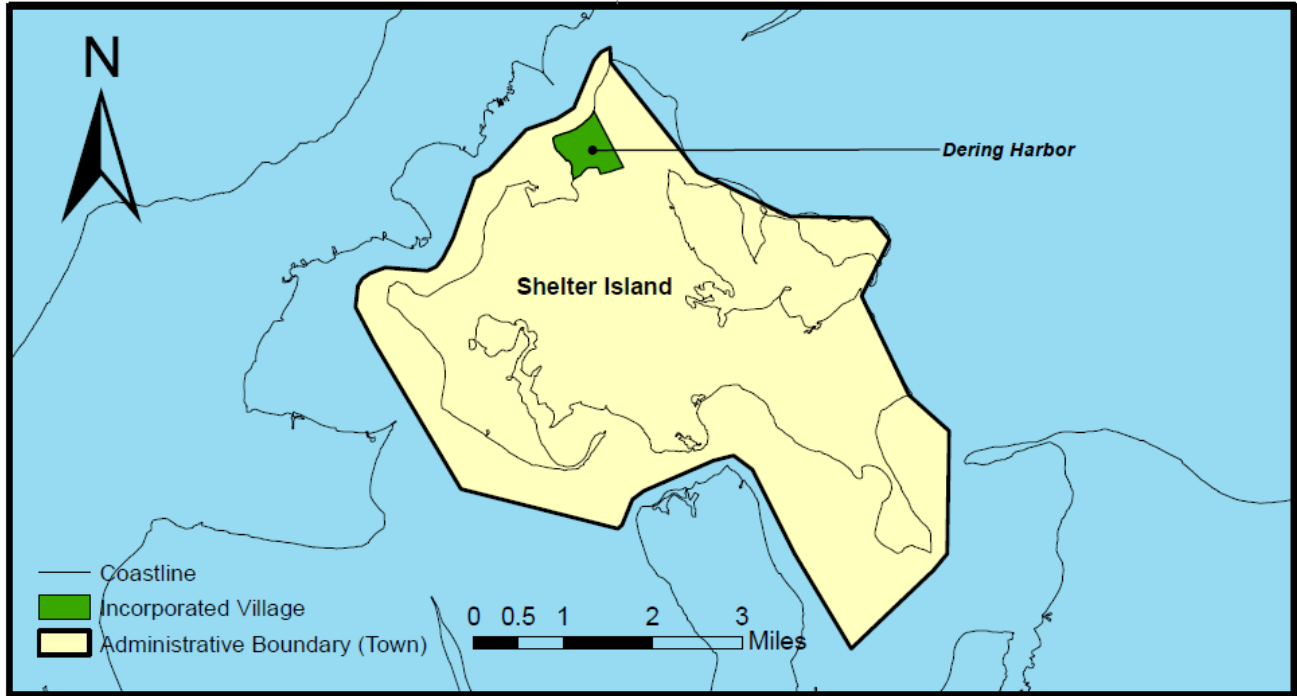


Table 18. Shelter Island Town Characteristics

Land Area (mile²):	Population:	Density (people/mile²):
12.1	2,392	198

The Town of Shelter Island, which has the smallest population of any Long Island Town, does not provide collection services. Waste generators must contract with private carters for waste pick-up or bring their wastes to Town facilities. The Town has a Pay as You Throw (PAYT) system in place, where users pay a volume-based amount each time they dispose of any wastes but recycling is free of cost (at Town drop-off facilities). The Town program is funded by the PAYT bag fees and transfers from the general fund (which is generated primarily through real estate assessments).

Shelter Island owns and operates a transfer station for residential and commercial MSW, a recycling area, yard waste composting site, and a waste processing facility. This includes a residential drop-off area for recyclables and household hazardous waste.

The Department of Public Works manages the Town's solid waste program. The current (2012) commissioner (and Superintendent of Highways) is Jay Card Jr.

Table 19. Shelter Island Waste Management Programs

<u>Collection</u>	
Drop-Off System:	The Town does not provide collection services. Waste generators must contract with private carters for waste pickup or bring their own waste to Town facilities. The Town has a PAYT system in place, where users pay a volume-based amount each time they dispose of any wastes but recycling is free of cost. Self-haulers must use Town bags that are sold at 4 locations throughout the Town. The bags are \$3.75 for a large, \$2.50 for medium, and \$1.75 for small
Paper Accepted:	Newspaper, corrugated cardboard, office paper and magazines
Containers Accepted:	Glass, metal and plastic containers
Yard Waste Accepted:	Yes- Leaves and wood chips for free, brush and stumps accepted for a fee
Other Materials:	Scrap metal, furniture, C&D, propane tanks, batteries, junk cars, and white goods accepted

<u>Special Programs</u>	
Drop-Off Facility:	Residents may drop MSW, yard waste, and recyclables at the Town facility
STOP Program:	HHW may be dropped-off at the transfer station during a designated day every month
E-Waste Program:	Residential electronics may be dropped-off at the transfer station
Other Information:	The Town is an island community. All collected wastes and recyclables, except yard waste, concrete, and glass, are transported off island through contract with a private company via ferry

Shelter Island Villages

The Town of Shelter Island has one village: Dering Harbor. It uses the Town waste management program.

Town of Smithtown

Map 9. Smithtown Town Map

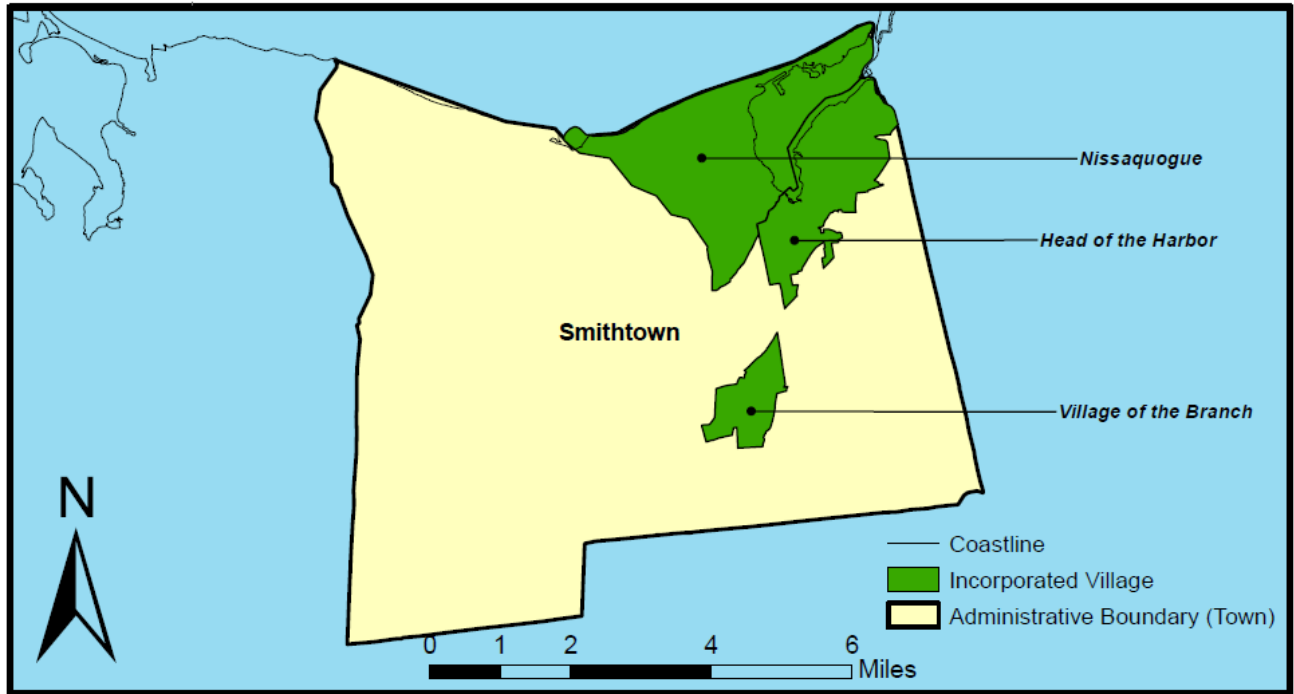


Table 20. Smithtown Town Characteristics

Land Area (mile ²):	Population:	Density (people/mile ²):
53.6	117,801	2,198

The Town of Smithtown provides residential collection services through contracts with private carters in 10 bid areas. The Town’s program is primarily funded through user fees collected via Town real estate taxes.

The Town operates the Smithtown Municipal Services Facility in Kings Park for recyclables processing and a transfer station for residential C&D at the same site. An inter-municipal agreement with Huntington provides the Town with access to (and a

contractual obligation to use) the Huntington WTE facility, located in East Northport on the border of the Town of Smithtown. In exchange, Huntington residents have access to the Smithtown C&D transfer station.

The Department of Environment and Waterways administers the Town program. Russell Barnett is the current (2012) department director.

Table 21. Smithtown Waste Management Program

Curbside Collection	
Municipal or Private:	Private through various carters
Number of Days:	MSW: 2 days/wk; recyclables: 1 day/wk (paper one week, containers the next)
Paper Collected:	Newspaper, corrugated cardboard, brown paper bags, magazines
Containers Collected:	Glass bottles, metal cans, #1-2 plastics, aluminum foil products
Yard Waste Collected:	Yes (no grass)
Other Materials:	Bulk: by appointment
Recycling Bin Provided:	Yes (for a fee) or residents may buy their own buckets and affix a Town recycling sticker

Facilities & Special Programs	
Drop-Off Facility:	Residents may drop-off recyclables, yard waste, batteries, motor oil, scrap metal, antifreeze, fluorescent light bulbs, C&D, and e-waste at the Municipal Services Facility
STOP Program:	2 collection days at the transfer station per year
E-Waste Program:	Residents may drop e-waste at the Town's Municipal Services Facility
Other Information:	N/A

Smithtown Villages

The Town of Smithtown has three villages: Head of the Harbor, Nissequoque, and Village of the Branch. All of them utilize the Town collection program.

Town of Southampton

Map 10. Southampton Town Map

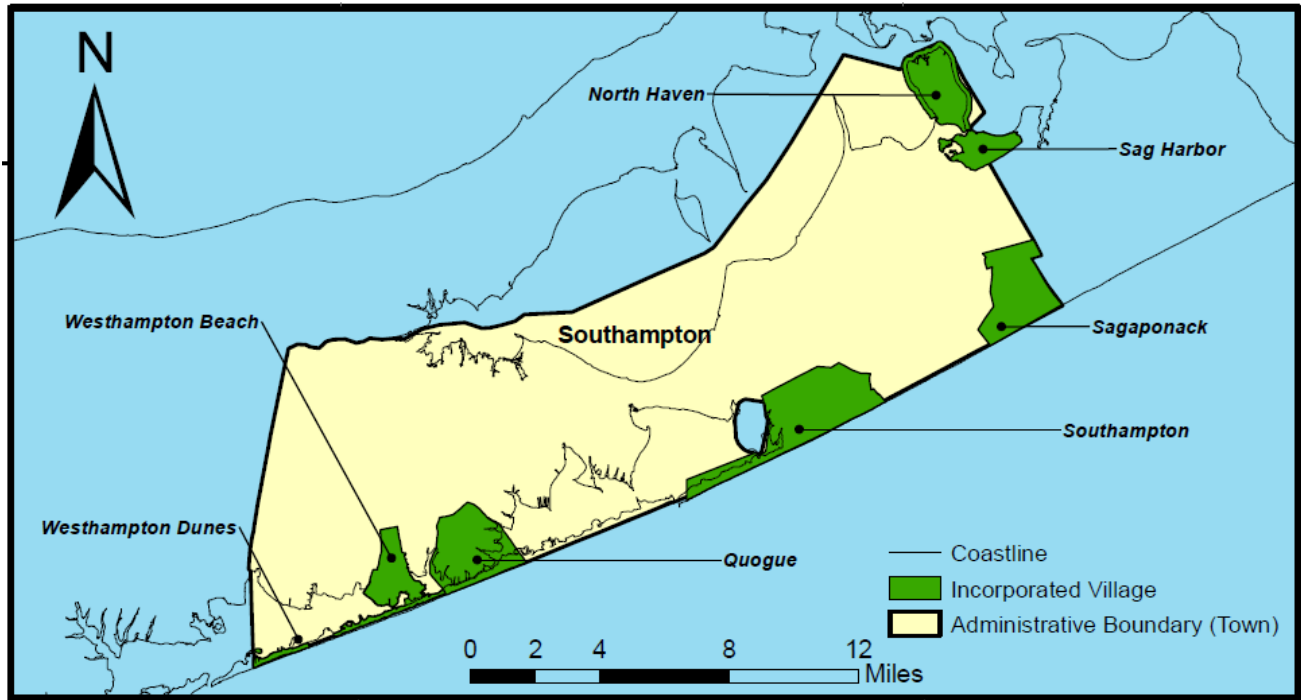


Table 22. Southampton Town Characteristics

Land Area (mile ²):	Population:	Density (people/mile ²):
140.0	56,790	406

The Town of Southampton does not provide collection services. Waste generators must contract with private carters for waste pick-up or bring their wastes to Town facilities. The Town has a Pay-As-You-Throw (PAYT) system in place, where users pay a volume-based amount each time they dispose of any wastes but recycling is free of cost (at Town drop-off facilities). This discourages waste generation, generally, and encourages reuse and recycling. The Town’s programs are intended to be entirely self-sustaining through tipping fees and PAYT bag fees. Any program

deficits are resolved by transfers from the general fund (which is primarily funded by real estate taxes).

Southampton owns and operates four residential drop-off facilities for residential MSW and recyclables (in Sag Harbor, Hampton Bays, Westhampton, and North Sea). North Sea and Hampton Bays are the larger facilities where e-waste, bulk items, and scrap metal can be dropped off. Additionally, the North Sea site accepts C&D, scrap metal, tires and propane tanks. Westhampton and Sag Harbor only accept residential MSW in Town "Green" PAYT Bags and residential recycling. All facilities recycle used motor oil. Yard waste composting occurs at Hampton Bays, North Sea, and Westhampton, but yard waste can be delivered to Westhampton only during Fall and Spring Clean-ups. Commercial and carter-collected wastes are not managed at Town facilities.

The Town program is administered by the Municipal Works Department. Christine Fetten currently (2012) serves as the director.

Table 23. Southampton Waste Management Program

Collection	
Drop-Off System:	The Town does not provide collection services. Users pay a volume-based amount each time they dispose of any wastes but recycling is free of cost. Self-haulers must use Town bags that are sold at more than 25 locations throughout the Town. The bags cost \$14.50 for 5 large bags and \$7.50 for 5 small bags
Paper Accepted:	Newspaper, corrugated cardboard, office paper, junk mail, catalogs, magazines, phone books, soft covered books, stationary, paperboard, kraft paper and bags
Containers Accepted:	Glass containers, #1-2 plastic containers, aluminum and tin cans, metal, aluminum foil
Yard Waste Accepted:	Yes
Other Materials:	Clothing, white goods, e-waste, waste oil, propane tanks, and tires are accepted at some locations

Special Programs	
Drop-Off Facility:	Town has 4 drop-off facilities for residential MSW, and recyclables. Three of which accept yard waste and 1 accepts C&D, scrap metal, white goods, tires, and propane tanks. They all accept waste oil for recycling
STOP Program:	The Town operates 4 collection days per year (1 at each transfer station)
E-Waste Program:	Collected at Hampton Bays and North Sea facilities
Other Information:	The Town holds two clean up periods (Fall and Spring) where residents may bring brush in free of charge. Southampton also sponsors a great East End Clean-Up Day, which is a free, annual event where residential volunteers clean up public lands. The Town provides supplies and disposes of the collected debris. Lastly, the Town has a Litter Committee which meets monthly to increase recycling and educate the public about proper waste management

Southampton Villages

The Town of Southampton has seven villages: North Haven, Quogue, Sag Harbor, Sagaponack, Southampton, Westhampton Beach, and Westhampton Dunes. They all use the Town waste management program.

Town of Southold

Map 11. Southold Town Map

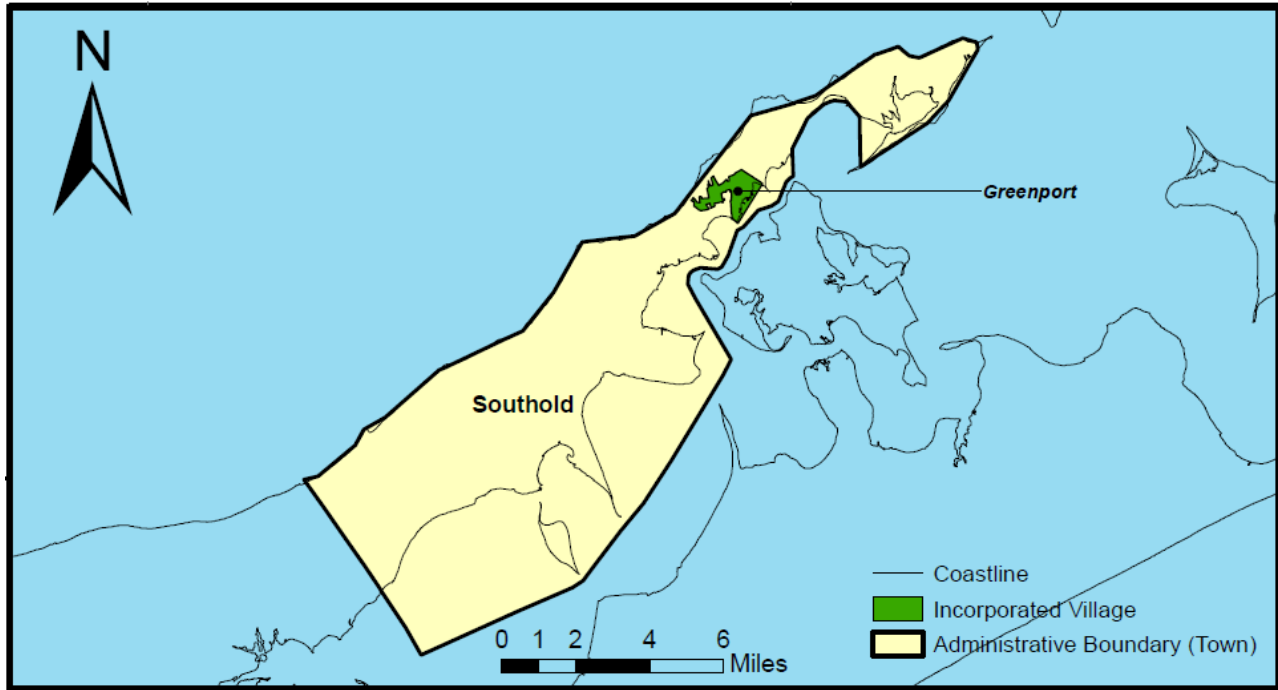


Table 24. Southold Town Characteristics

Land Area (mile²):	Population:	Density (people/mile²):
53.8	21,968	408

The Town of Southold does not provide collection services. Waste generators must contract with private carters for waste pick-up or bring their wastes to Town facilities. The Town has a PAYT system in place. Three bag sizes are available and they are sold at various locations throughout the Town. This PAYT applies to both self haulers as well as residents who have private, curbside pickup. Carters who pick up

MSW from residents in “Town” bags can dump at the transfer station without a tipping fee. Other carters pay a per ton disposal fee or use other, non-municipal facilities. Bulky items are weighed at the vehicle scales for a tip fee. Town programs are largely funded by PAYT bag revenues and tipping fees at the transfer station. Some funding is provided through the general fund (which is mostly raised by real estate assessments).

Southold owns and operates a transfer station (in Cutchogue) for residential and commercial MSW, C&D, and recyclables, which collects wastes from both generators and private haulers. This facility accepts wastes from all generators and private haulers. Permit fees are required to use the facility. Southold also operates a compost facility for yard waste (no grass) in Cutchogue.

The Town’s programs and facilities are managed through the Solid Waste Division. The current (2012) co-coordinator is Jim Bunchuck.

Table 25. Southold Waste Management Program

<u>Collection</u>	
Drop-Off System:	The Town does not provide collection services. The Town has a PAYT system in place, where users pay a volume-based amount each time they dispose of any wastes but recycling is free of cost. This PAYT applies to both self haulers as well as resident who have private, curbside pickup. Carters who pick up "Town" bags can dump at the transfer station without a tipping fee. Three bag sizes are available and they are sold at various locations throughout the Town. Bulky items are weighed at the vehicle scales for a tip fee
Paper Accepted:	Newspaper, corrugated cardboard, mixed paper
Containers Accepted:	Glass containers, #1-7 plastics, aluminum and tin cans, aluminum foil
Yard Waste Accepted:	Yes-During designated Fall and Spring clean up periods
Other Materials:	Used oil, tires, batteries, empty aerosol cans, empty paint cans, textiles, scrap metal and yard waste are accepted

<u>Special Programs</u>	
Drop-Off Facility:	MSW, C&D, recyclables, and yard waste may be dropped-off at the transfer station
STOP Program:	The Town operates 4 collection days per year
E-Waste Program:	Collected at the Town transfer station
Other Information:	The Town operates a Home Exchange Area where residents may exchange useable goods, particularly furniture

Southold Villages

The Town of Southold has one village (Greenport) and it uses the Town program.

Acknowledgements

Assistance in preparing this report was received from personnel from many of the Villages and Towns across Long Island. In particular, representatives from the Town of Brookhaven, East Hampton, Huntington, Islip, Riverhead, Shelter Island, Smithtown, and Southampton assisted with reviewing report data. Representatives from the following villages also contributed to the report: Saltaire, Islandia, Shoreham, Mastic Beach, Port Jefferson, Patchogue and Belle Terre. Representatives from the following municipalities could not be reached: Towns of Babylon and Southold, Villages of Babylon, Lindenhurst, Bellport, Lake Grove, Old Field, Poquott, Asharoken, Huntington Bay, Lloyd Harbor, Northport, Brightwaters, and Ocean Beach. Special thanks to Omkar Aphale of the Department of Technology and Society at Stony Brook University for creating the maps used in this report.

Appendix A: Summary of Village Programs

<u>Town</u>	<u>Village</u>	<u>Overview of Program</u>
Town of Babylon	Amityville	Uses Town programs
	Babylon	Village Municipal collection
	Lindenhurst	Village Municipal collection
Town of Brookhaven	Belle Terre	Private collection- Maggio
	Bellport	Village Municipal collection
	Lake Grove	Private collection- Brothers Carting
	Mastic Beach	Private collection – Quickway Sanitation
	Old Field	Private collection- Bianculli& Sons
	Patchogue	Village Municipal collection
	Poquott	Private collection- Maggio
	Port Jefferson	Private collection- Maggio and Quickway Sanitation
Town of East Hampton	Shoreham	Private collection- Maggio
	East Hampton	Uses Town programs
Town of Huntington	Sag Harbor (part; also in Southampton)	Uses Town programs
	Asharoken	Village Municipal collection
	Huntington Bay	Private collection- Winter Brothers
	Lloyd Harbor	Village Municipal collection
Town of Islip	Northport	Private collection- Tagg Sanitation
	Brightwaters	Private collection- Island Environmental
	Islandia	Village Municipal collection
	Ocean Beach	Private collection- Stang Corporation
Town of Shelter Island	Saltaire	Private collection
	Dering Harbor	Uses Town programs
Town of Smithtown	Head of the Harbor	Uses Town programs
	Nissequoque	Uses Town programs
	Village of the Branch	Uses Town programs
Town of Southampton	North Haven	Uses Town programs
	Quogue	Uses Town programs
	Sag Harbor (part; also in East Hampton)	Uses Town programs
	Sagaponack	Uses Town programs
	Southampton	Uses Town programs
	Westhampton Beach	Uses Town programs
Town of Southold	Westhampton Dunes	Uses Town programs
	Greenport	Uses Town programs

Appendix B: Details of Village Programs that Manage Their Own Wastes

Town	Village	Land Area (miles²)	Population	Density (people/mile²):	Municipal or Private	MSW Collectionspe r Week	Recyclables Collectionspe r Week	Yard Waste Collected	Other Materials Collected	Village Facilities	Other Info
Town of Babylon	Babylon	2.5	12,166	4,826	Mu	Every other week days	Same day as MSW	Y	Metal by appt.	Public Works bldg.	Back Door Collection for MSW/recyclab les (separate trucks); E- waste may be dropped at Public Works
	Lindenhurst	3.8	27,253	7,172	Mu	2	2	Y	Bulk by appt.	N	N/A
Town of Brookhaven	Belle Terre	0.9	792	880	Pr	2	1	Y	Bulk	N	Back Door Collection for MSW/recyclab les
	Bellport	1.5	2,084	1,389	Mu	2	1	Y	Bulk by appt.	N	Village collects e- waste
	Lake Grove	3.0	11,163	3,721	Pr	2	1	Y	Bulk by appt.	N	N/A
	Mastic Beach	5.3	12,930	2,440	Pr	2	1	Y	Bulk	N	N/A
	Old Field	2.1	918	437	Pr	2	1	N	Bulk by appt.	N	Residents may pay a fee for back door collection
	Patchogue	2.3	11,798	5,130	Mu	2	1	Y	Bulk by appt.	Recycli ng Center	N/A

Town	Village	Land Area (miles²)	Population	Density (people/mile²):	Municipal or Private	MSW Collectionspe r Week	Recyclables Collectionspe r Week	Yard Waste Collected	Other Materials Collected	Village Facilities	Other Info
	Poquott	0.4	953	2,383	Pr	2	1	Y	Bulk	N	N/A
	Port Jefferson	3.0	7,750	2,583	Pr	2	1	Y	Bulk by appt.	N	N/A
	Shoreham	0.4	531	1,328	Pr	2	1	N	N	N	N/A
Town of Huntington	Asharoken	1.4	654	467	Mu	2	1	Y	N	N	Village runs coastal clean- up program
	Huntington Bay	1.0	1,425	1,425	Pr	2	1	N	N	N	N/A
	Lloyd Harbor	9.4	3,660	389	Mu	2	1	N	N	N	N/A
	Northport	2.3	7,401	3,218	Pr	2	1	Y	Bulk by appt.	N	Village has several sites for battery drop off; Village provides collection to businesses in commercial district

Town	Village	Land Area (miles²)	Population	Density (people/mile²):	Municipal or Private	MSW Collectionspe r Week	Recyclables Collectionspe r Week	Yard Waste Collected	Other Materials Collected	Village Facilities	Other Info
Town of Islip	Brightwaters	0.98	3,103	3,166	Pr	2	1	Y	Bulk by appt.	N	Back door collection for MSW/recyclab les
	Islandia	2.2	3,335	1,516	Mu	1	1	Y	Bulk 1 day/wk	N	N/A
	Ocean Beach	0.1	79*	790	Pr	2	1	N	Bulk	N	N/A
	Saltaire	0.3	37*	123	Mu	2	2	N	N	N	N/A

Key: Y=Yes; N=No; Mu=Municipal; Pr=Private; appt.=appointment

* Year-round

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