

TOWN OF OYSTER BAY

DRAFT Local Solid Waste Management Plan

Public Hearing December 10, 2019



TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
DEPARTMENT OF ENVIRONMENTAL RESOURCES
150 MILLER PLACE, SYOSSET, NY

SUBMITTED TO:

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
JULY 2019

AGENDA

- **Background/LSWMP Regulatory Requirements**
- **Summary of Town of Oyster Bay Draft LSWMP**
- **Next Steps**
- **Public Comments**



What is a “LSWMP”?

A *Local Solid Waste Management Plan (LSWMP)* is a tool used by municipalities for solid waste management.

Regulatory Requirements:

All *planning units* (i.e. county, town or municipality, etc.) are required by New York State and the New York State Department of Environmental Conservation (NYSDEC) to have an approved LSWMP.

The Planning Unit for the Town of Oyster Bay is its *Solid Waste Disposal District (SWDD)*

What is its Purpose?

The purpose of a Local Solid Waste Management Plan is to identify the path to be pursued for managing solid wastes generated within a planning unit during a ten-year planning period, in an economically and environmentally sound manner that is consistent with the State's solid waste management policy. *The ten-year planning period for the Town of Oyster Bay SWDD is 2019-2028.*

An overarching goal of a LSWMP is to reduce the amount of solid waste destined for disposal by preventing its generation and increasing its reuse or recycling.

NYS Solid Waste Management Policy

*The **Solid Waste Management Act of 1988** established a State Solid Waste Management Policy. The policy defines the following solid waste management priorities in New York State:*

- First, to reduce the amount of solid waste generated;
- Second, to reuse material for the purpose for which it was originally intended or to recycle material that cannot be reused;
- Third, to recover, in an environmentally acceptable manner, energy from solid waste that cannot be economically and technically reused or recycled; and
- Fourth, to dispose of solid waste that is not being reused, recycled or from which energy is not being recovered, by land burial or other methods approved by the Department (from New York State Environmental Conservation Law (ECL) 27-0106.1).

New York State Requirements to Prepare a LSWMP

The preparation and content of a solid waste management plan is governed by the following:

- *The New York State Solid Waste Management Act (Chapter 70 of the Laws of 1988);*
- *Title 1 of Article 27 (Solid and Hazardous Waste Management Policy and Planning) of the New York State Environmental Conservation Law (ECL);*
- *Part 360/366 (Local Solid Waste Management Planning) of Title 6 of the New York Codes of Rules and Regulations (NYCRR);*
- *The Town's LSWMP was originally prepared in 2013, and revised in July 2019, based upon comments received after NYSDEC reviewed the document. NYSDEC accepted the draft in August 2019;*
- *A public comment period is required as part of the approval process.*

Town of Oyster Bay Local Solid Waste Management Plan

The priorities of the Town of Oyster Bay conform to the objectives of the State as identified in the New York State 2010 Beyond Waste Plan (A Sustainable Materials Management Strategy for New York State).

This LSWMP was developed through the Town of Oyster Bay Supervisor's Office, the Department of Environmental Resources (DER), and the Department of Public Works (DPW).

The Town's Solid Waste Management Program emphasizes conservation of resources through sound waste handling and disposal practices, and protection of local natural resources.

The goals of the Town's program are accomplished through: solid waste reduction practices; reclamation of materials from the waste stream for recycling and composting; and residuals disposal. The 10-year planning period for this LSWMP encompasses 2019 through 2028.

Draft LSWMP Contents

- Introduction
- Planning Unit Description
- Solid Waste Quantity and Types
- Existing Program Description
- Future Solid Waste Projections
- Technology Evaluation
- Integrated System Selection
- Implementation Schedule
- New Laws and Financial Considerations



Existing Program Description



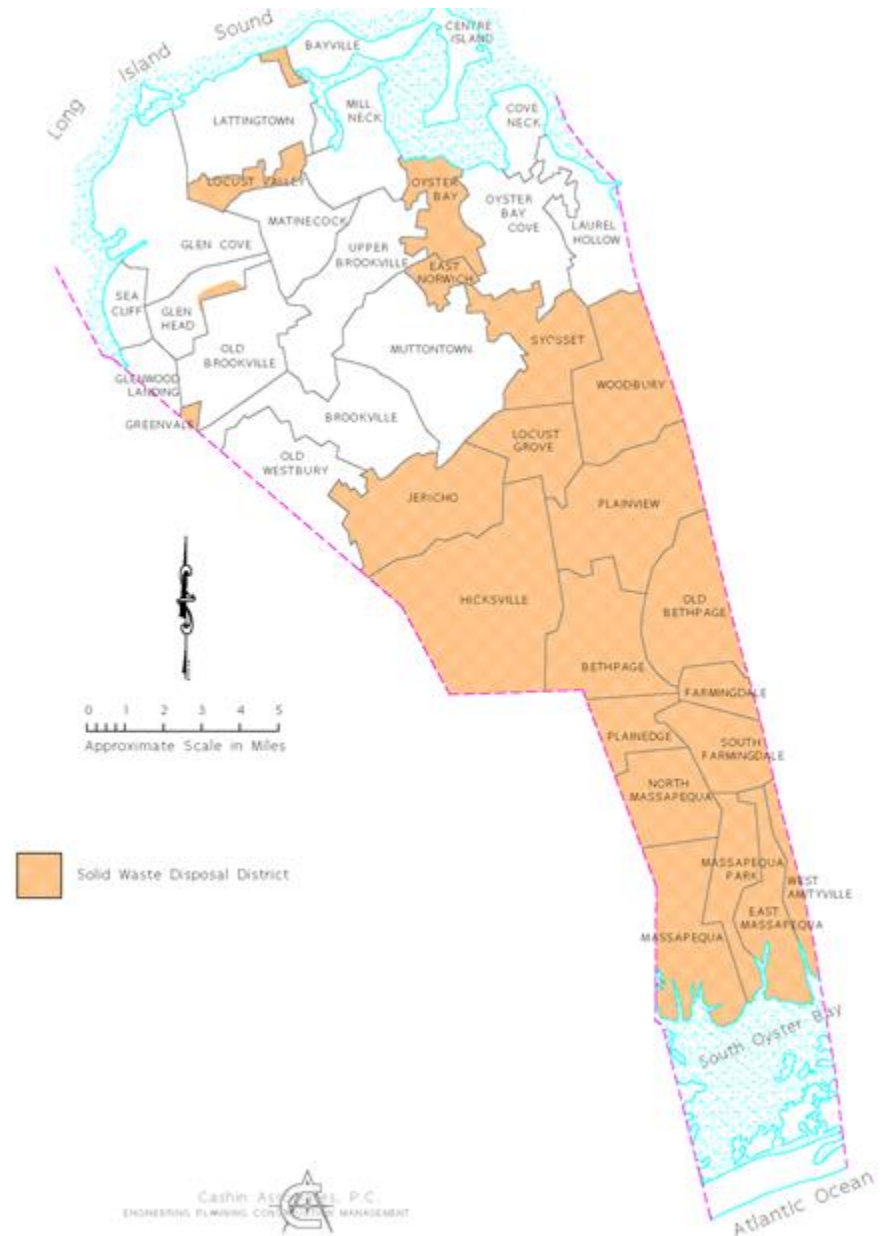
TOWN OF OYSTER BAY SOLID WASTE MANAGEMENT PLAN

SOLID WASTE DISPOSAL DISTRICT BOUNDARIES

59 Square Miles

57% of Town of Oyster Bay Land Area

90% of Town of Oyster Bay Population



Old Bethpage Solid Waste Disposal Complex (OBSWDC)

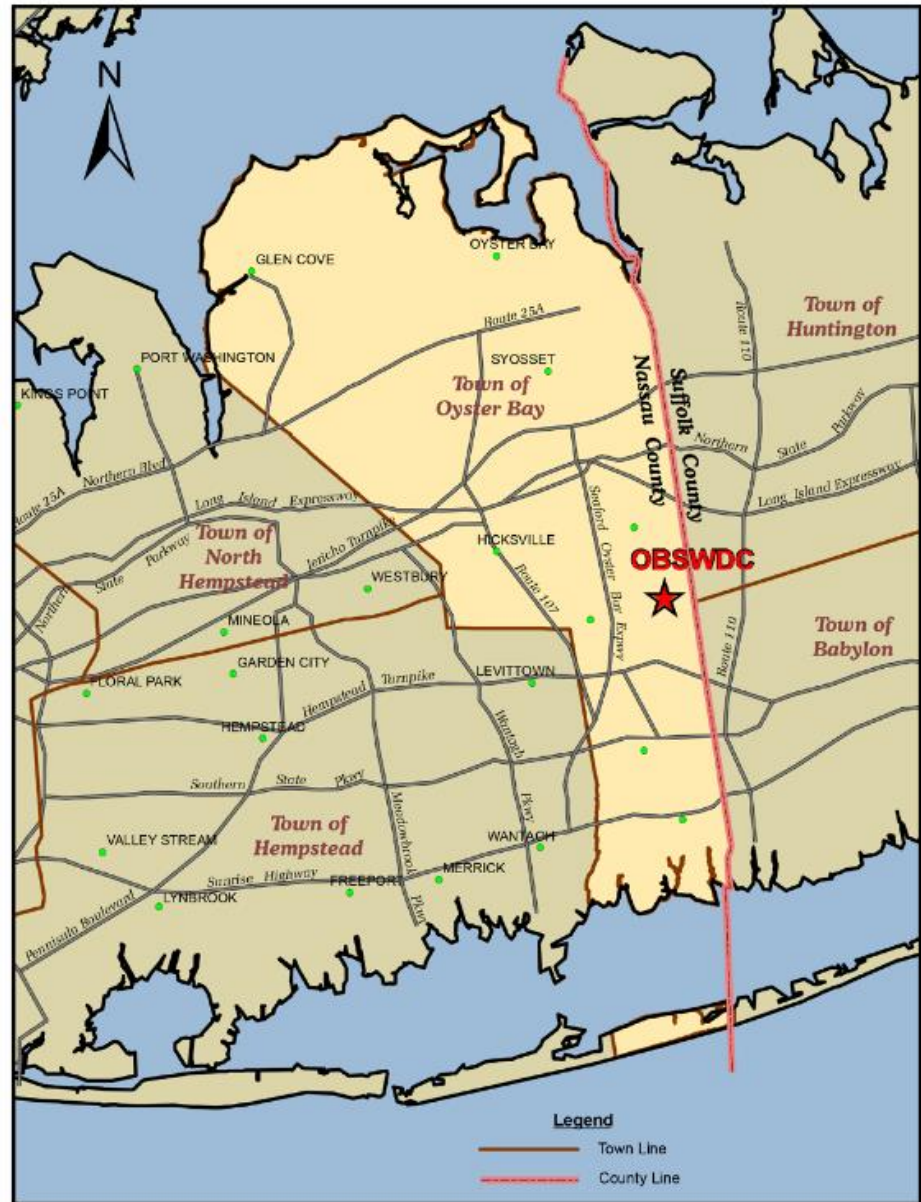
The Town's LSWMP planning unit's solid waste stream is processed through the Town of Oyster Bay's Old Bethpage Solid Waste Disposal Complex (OBSWDC), a New York State-permitted solid waste disposal facility.

The majority of the wastes managed through this facility are derived from:

Municipal Solid Waste and recyclables regularly collected from the SWDD's residents and brought to the facility by the Town's collection services; wastes from ***residential drop-off programs; yard wastes*** from Town collection and residential drop-off programs; and other solid wastes brought in by ***private haulers***.

OBSWDC

Bethpage-Sweet Hollow Road
Old Bethpage



What Waste is Collected?

SOLID WASTE QUANTITIES AND TYPES MANAGED BY THE SWDD, 2017

Material Type	Amount Received at OBSWDC (Tons)	Percentage of Waste Stream
MSW	116,611.45	71.92
Bagged Yard Waste	13,296.23	8.2
Brush, Branches, Trees & Stumps	7,674.77	4.73
Paper – Newspaper, Mixed paper and corrugated cardboard	3,910.74	2.41
Co-mingled Containers- Glass, metal and plastic	6,630.72	4.09
Single Stream	9,087.96	5.61
Concrete & Asphalt (from town- contracted construction projects)	3,573.32	2.20
White Metal	919.71	0.57
E-Waste	367.78	0.23
Tires	65.76	0.04
TOTAL	162,138.44	100%

Current Recycling Program

- Recyclables, including paper, cardboard, metals and plastic containers are collected curbside from a single recycling bin.
- Glass is not included in the curbside collection program
- The Town is operating a pilot program where residents are encouraged to bring glass containers to recycling igloos located throughout the Town.

Other Town Recovery Programs

Homeowner's Cleanup Program (HCP)

On specially designated Saturdays from May through October, the Town conducts the Homeowner's Cleanup Program exclusively at the OBSWDC. Participation is limited to residents of the SWDD, bringing in waste via car, van, pickup truck and/or small trailer. Trucks with six or more wheels are prohibited.

STOP Program for Hazardous Wastes

In September 1986, the Town of Oyster Bay became one of the first municipalities in New York State to institute an approved program for the collection and proper disposal or recycling of household hazardous wastes. The STOP ("Stop Throwing Out Pollutants") program offers Town residents a voluntary method of household hazardous wastes from the waste stream prior to disposal

Solid Waste Projections

TABLE 4.2 - Tonnages received at OBSWDC

	%	2017 (1)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(based on .4%/year - increase from 2010-2016)		256,122	257,146	258,175	259,208	260,245	261,286	262,331	263,380	264,434	265,491	266,553	267,619
SWDD Population Projection													
(assume 1.0% reduction/yr) (3.46 lb/person/day in 2017)		162,138	160,967	160,009	159,462	158,067	157,111	156,165	155,647	154,285	153,351	151,654	149,979
SWDD Total Waste Stream Generation Projection		3.4600	3.4300	3.396	3.3617	3.3281	3.2948	3.2619	3.2293	3.1970	3.1650	3.1175	3.0708
assume diversion rate of 27.9 (based on % MSW 2017) (3)	27.9	45,527	44,910	44,643	44,490	44,101	43,834	43,570	43,426	43,046	42,785	42,311	41,844
Tons diverted from wastestream													
MSW	71.9	116,611.00	115,735	115,046	114,653	113,650	112,963	112,283	111,910	110,931	110,259	109,039	107,835
(will be SSR 2018 -) (based on % in 2017) (assume steady %-age)													
commingled+ paper + SSR (2)	12.13	19,629.00	19,525.30	19,361.09	19,294.90	19,126.11	19,010.43	18,895.97	18,833.29	18,668.49	18,555.47	18,350.13	18,147.46
Bagged Yard Waste	8.22	13,296.00	14,326.06	14,240.80	14,192.12	14,067.96	13,982.88	13,898.69	13,852.58	13,731.37	13,648.24	13,497.21	13,348.13
Brush, Branches, Trees, Stumps	4.74	7,675.00	7,443.00	7,520.42	7,494.71	7,429.15	7,384.22	7,339.76	7,315.41	7,251.40	7,207.50	7,127.74	7,049.01
Enameled Goods, White Appliances	0.57	919.71	917.51	912.05	908.93	900.98	895.53	890.14	887.19	879.42	874.10	864.43	854.88
Electronics	0.2	367.78	321.934	320.018	318,924	316.134	314,222	312.33	311,294	308.57	306,702	303,308	299,958
Tires	0.04	65.76	64.39	64.00	63.78	63.23	62.84	62.47	62.26	61.71	61.34	60.66	59.99
(from Town projects)													
C&D	2.21	3,573.32	3,557.37	3,536.20	3,524.11	3,493.28	3,472.15	3,451.25	3,439.80	3,409.70	3,389.06	3,351.55	3,314.54

(1) waste stream numbers based on actual 2017 numbers from OBSWDC

Waste generation of 3.46 lb/person/day based on 2017 waste generation numbers

(2) SSR began October 2017; tonnages include totals of commingled containers and paper

(3) This is a conservative estimate - SSR has shown to increase diversion rates; biennial reports will update data

Estimates of Commercial MSW and recyclables based on 31%/69% split	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Est tonnage of comm'l MSW in SWDD	52,390	51,997	51,688	51,511	51,060	50,751	50,446	50,278	49,839	49,537	48,989
Est tonnage of comm'l recyclables in SWDD	20,454	20,177	20,057	19,988	19,813	19,694	19,575	19,510	19,339	19,222	19,009

Future Plans

10 YEAR IMPLEMENTATION SCHEDULE



Highlights of Implementation Schedule

- ✓ Continue to explore ways to reduce MSW generation
- ✓ Continue popular yard waste collection, STOP and HCP programs
- ✓ Conduct feasibility study of commercial food waste separation program
- ✓ Conduct analysis of food waste stream within SWDD and feasibility of food waste separation program
- ✓ Collect data on commercially generated waste
- ✓ Develop RFP for new facilities at OBSWDC
- ✓ Consider expansion of recycling program

Next Steps

- 45-day Public Comment Period on the Draft LSWMP closes on January 24, 2020
- All written comments received during the Public Comment period and verbal comments made at this Public Hearing are compiled and responses developed
- Draft LSWMP is updated as required
- Updated Draft LSWMP including comments/responses is provided to NYSDEC for review
- Draft LSWMP formally adopted (Part 366-4.1) by the Town as final
- The adopted LSWMP is then provided to the NYSDEC
- The Town implements the Plan and reports to NYSDEC as required

Draft LSWMP is Available

Office of the Town Clerk:

54 Audrey Avenue, Oyster Bay NY

Town of Oyster Bay Website:

www.oysterbaytown.com

Written Comments accepted through January 24, 2020:

Department of Public Works

LSWMP Public Comment

150 Miller Place

Syosset, NY 11791