

Fishers Island Waste Management District  
Local Solid Waste Management Plan  
2019-2028

Prepared by:

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## Glossary of Terms

The following glossary of terms have been excerpted from 6 NYCRR Part 360.2 and supplemented, as necessary, to coincide with the contents of this Plan:

Agricultural waste - Manure, crop residue, animal carcasses, and other similar waste that is generated on a farm.

Biodegradable – Material that can be broken down naturally, including by living organisms and bacteria. Biodegradable wastes can be broken down into components by biological processes, for reuse.

Biosolids - Accumulated semi-solids or solids resulting from treatment of wastewaters from publicly or privately owned or operated sewage treatment plants

Composting – Aerobic, thermophilic decomposition of organic waste to produce a stable, humus-like material.

Composting and other organics processing facility - A facility that treats the readily biodegradable organic components in waste to produce a mature product for use as a source of nutrients, organic matter, liming value, or other essential constituent for a soil or to help sustain plant growth.

Construction and demolition debris or C&D debris - Waste resulting from construction, remodeling, repair and demolition of structures, buildings and roads. C&D debris includes fill material, demolition wastes, and construction wastes.

Container - A portable piece of equipment in which waste is stored, transported, treated, disposed of, or otherwise handled.

eWaste – Waste comprised of electronic products, such as computers, televisions, monitors, fax machines, stereos and copiers.

Facility - A location and associated devices employed in the management of solid waste beyond the initial collection process. The term includes all structures, appurtenances or improvements on the land used for the management or disposal of solid waste.

Hazardous waste - A material that is defined in 6 NYCRR Part 371 to be both a solid waste and a hazardous waste.

Household - Single and multiple-family residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day use recreation areas.

Household Hazardous Waste or HHW - Waste from a household which, but for its point of origin, would be a hazardous waste under 6 NYCRR Part 371, and includes all pesticides as defined in ECL article 33.

Leachate - Any solid waste in the form of a liquid, including any suspended components, that results from contact with waste.

Leachate Collection and Removal System - A system or device that is designed, constructed, maintained, and operated to collect and remove leachate from a facility.

Local Solid Waste Management Plan or LSWMP - A plan prepared by a planning unit pursuant to 6 NYCRR Part 366.

Mulch - Materials produced from tree debris, yard trimmings or other suitable materials and intended for use on soil surfaces to prevent the growth of weeds and erosion.

Municipal solid waste or MSW - Residential waste, commercial waste, or institutional waste, or any component or combination thereof, excluding construction and demolition debris and biosolids unless they are commingled.

Organic - Derived from living matter or living organisms and is readily biodegradable.

Organics recycling facility - A facility that processes the organic components in waste to produce a mature product for use as a source of nutrients, animal feed, organic matter, liming value, or other essential constituent for a soil to help sustain plant growth.

Planning Unit - For locations within New York State, a county; two or more counties acting jointly; a local government agency or authority established pursuant to State Law for the purposes of managing solid waste; any city in the county of Nassau; any of the above in combination with one or more neighboring cities, towns, or villages; or two or more cities, towns, or villages, or any combination of them, that the department determines to be capable of implementing a regional waste management program. In order for a county to be a planning unit, it must include all cities, towns, and villages within its borders.

Product stewardship - The act of producer responsibility, which may be voluntary, mandatory or shared with all product stakeholders, for minimizing a product's health and environmental impacts throughout all stages of the product's life cycle including end-of-life management.

Receiving facility - The solid waste management facility or hazardous waste management facility authorized to accept the specified waste for transfer, storage, treatment or disposal.

Recyclable - A component of waste which exhibits the potential to be recycled.

Recyclables handling and recovery facility - A facility that processes source-separated non-putrescible recyclables.

Recycle - The series of activities by which recyclables are collected, sorted, processed, and converted into raw materials or used in the production of new products, or, in the case of organic recyclables, used productively for soil improvement. This term excludes thermal treatment (other than anaerobic digestion) or the use of waste as a fuel substitute or for energy production, alternate operating cover, or within the footprint of a landfill.

Reuse - Reuse, as defined in the Beyond Waste. A Sustainable Materials Management Strategy for New York State, is the recovery of materials and products for the same or a similar use for which they were originally produced. It involves the collection and distribution of useful products, such as household and office furniture, food, building materials, books, sporting equipment and appliances, from those who no longer want or need them to those who can put them to use.

Single-stream recycling - Single-stream recycling is a system in which all recyclables are handled in a single bin.

Solid waste - Discarded materials including solid, liquid, semi-solid, or contained gaseous material, resulting from industrial, municipal, commercial, institutional, mining or agricultural operations or from residential activities including materials that are recycled or that may have value.

Source-separated organics - Organic material that has been separated at the point of generation including, but not limited to, food scraps, food processing waste, soiled or unrecyclable paper, and parts, and yard trimmings. Source-separated organics do not include animal mortalities, biosolids, sludge, or septage.

Source-separated recyclables - Recyclables that have been separated from the waste stream at the point of generation pursuant to State or local law or ordinance or a voluntary program where the transporter manages the materials in a source-separated manner.

Thermal treatment – Exposure of waste to elevated temperatures or chemicals for the purpose of changing the chemical, physical or biological character or composition of the waste, and includes combustion, pyrolysis, gasification, hydrolysis or other similar processes, but does not include composting or anaerobic digestion.

Transfer facility or station – A facility that receives solid waste for the purpose of subsequent transfer to another facility for further processing, treatment, transfer, or disposal.

Total expenditures - All expenditures excluding capital outlays and debt repayment.

Total revenues - Revenues from all taxes and fees but does not include the proceeds from borrowing or asset sales, excluding revenue from funds managed by a municipality on behalf of another party.

Waste – See Solid Waste

Yard trimmings - Grass, leaves, and tree and brush trimmings from residential, institutional, and commercial sources.

## Executive Summary

The Fishers Island Waste Management District (FIWMD or District) is a special improvement garbage district created by the Town of Southold for the purpose of managing solid waste generated on Fishers Island. While Fishers Island is part of the Town of Southold, its isolation from Long Island with direct access only from the State of Connecticut purposely led to the creation of the special district in 1952. The FIWMD operates two facilities on Fishers Island – a transfer station and a compost station/receiving facility. With no disposal facilities on the Island, the District relies upon various handling and disposal facilities in the State of Connecticut. A five-member Board of Commissioners, elected by the registered voters on Fishers Island, operates, manages and controls the solid waste management activities, including the establishment of waste hauling and disposal contracts, user fees, and the implementation of the District's programs and policies.

The FIWMD has prepared this updated Local Solid Waste Management Plan in accordance with 6 NYCRR Part 366. Section 366-1.2(a)(4) requires a Local Solid Waste Management Plan "to provide for or take into account all the solid waste generated within the planning unit for a ten-year period." This Plan considers the waste generation and composition on the Island, the seasonal variations and unique circumstances to an Island of less than 240 full-time residents, but a seasonal population that exceeds 2,500 persons. It also considers the facilities available to the District and how they can be adapted to meet the waste management goals set forth in this Plan, as well as those set forth in the New York State's Beyond Waste - A Sustainable Materials Management Strategy (*Beyond Waste Plan*), adopted in 2010 by the New York State Department of Environmental Conservation (NYSDEC).

The *Beyond Waste Plan* recognizes that materials management requires a change in the planning approach from responsive actions to waste generation to the need to identify methods and programs to reduce waste generation, as well as to increase reuse, recycling and composting. As detailed in this Plan, these goals are consistent with those of the District given the geographic isolation from the mainland, the costs of hauling and disposal, as well as the limited land area available for on-Island disposal.

As stated on Page 1 of the *Beyond Waste Plan*,

*"New York State's Beyond Waste Plan sets forth a new path for solid waste management. The plan shifts from a perspective of focusing on "end-of-the-pipe" waste management techniques to looking "upstream" and more comprehensively at how materials that would otherwise become waste can be more sustainably managed through the state's economy. This shift is central to the state's ability to adapt to an age of growing pressure to reduce demand for energy, reduce dependence on disposal, minimize emission of greenhouse gases and create green jobs." (pg. 1)*

The *Beyond Waste Plan* identifies a quantitative goal for municipal solid waste (MSW) disposal volumes, with "a progressive reduction in the amount of MSW destined for disposal to reach the ultimate goal of reducing disposal to 0.6 pounds per person per day by 2030." In 2010, the MSW disposal average in New York State was 4.1 pounds (lbs.) per person per day. The *Beyond Waste Plan* seeks to create a sustainable materials management (SMM) economy that relies not only upon waste prevention by the individual generators, but improved methods by local governments and waste handling facilities to reduce disposal volumes, including the implementation of reuse, recycling, and composting and organic materials recycling programs.

This Plan sets forth changes in programs and policies, which are projected to accomplish the *Beyond Waste Plan* MSW goal of 0.6 lbs./person/day although doing so will require significant effort. Based on the programs and policies set forth herein, the *Beyond Waste Plan* goal of 0.60 lbs./person/day could be achieved on Fishers Island by 2026 and then remain constant for the balance of the planning period. Integral to the program are significant programmatic undertakings, including but not limited to elements such as source separation of compostable organics for processing either on-Island or shipment to an off-Island digester or composting facility, adoption of the pay-by bag approach to spur recycling and further diversion, and an initiative to urge residents and businesses to implement new source reduction efforts. These programs would reduce the amount of waste disposed while increasing amounts diverted to recycling and beneficial reuse; however, depending upon the processing approach taken they may not have an impact upon volumes of waste sent off-Island for management and disposal. Public

education and participation in new programs are also essential to the success of the waste generation and management goals set forth herein. This Plan evaluates options for successful implementation and achievement of the District's goals.

The preparation of this Plan included technical studies, plans, and previous reports and documents for background information and research. The following were the main sources of information:

- Solid Waste Management Plan of the Fishers Island Refuse & Garbage District, February 1997;
- Beyond Waste - A Sustainable Materials Management Strategy for New York State, prepared by the New York State Department of Environmental Conservation, 2010;
- 2015 Statewide Waste Characterization Study, Connecticut Department of Energy and Environmental Protection;
- Consolidated Facilities Planning Report, Fishers Island Waste Management District, 2016;
- Records provided by the District regarding quantities of wastes and recyclables managed at its facilities, including records of user visits; and
- Pay As You Throw (PAYT) in the US: 2006 Update and Analysis, December 30, 2006. (EPA/SERA Report)

This Plan also considers the comments and suggestions of the Fishers Island community. The District published the first draft of the Plan on September 13, 2018. A public hearing was held on October 10, 2018 and the public comment period remained open until October 30, 2018. A responsiveness summary was prepared to address the comments received during the review period and the Plan was modified to address, among other things, alternative facility improvements and programs. Due to the community interest and the number of comment letters received on the first draft Plan, the District elected to publish its revised Plan and responses to comments on March 14, 2019. A review period of 30 days was provided (expiring April 12, 2019) to afford the community ample time to review and provide additional comments. During the public comment period, the District received a few letters and a second responsiveness summary was prepared. As no substantive changes to the Plan were made, the District elected to proceed with the filing of the Plan to the NYSDEC.

By way of history, since the 1997 LSWMP, the Island's full-time resident population has steadily declined while the seasonal population has continued to climb annually. The last three US census periods showed a seasonal population ranging from 1,875 to 2,635. However, the full-time population has declined, ranging over the last three census periods from 329 to 236. Population projections indicate that in 2019, the seasonal population has increased to 2,972 persons and in 2028, this number will rise to 3,314 persons. In contrast, the full-time population of the Island has steadily declined, due to the continuing challenge of attracting year-round residents in the face of high housing costs, limited employment opportunities, and routine cost of ferry transit to the mainland. This trend, however, has been identified as a key issue to be addressed by the Island community and therefore, for the purpose of this Plan, it is assumed that the Island will succeed in this effort with an estimated increase of 20 full-time persons (to 256 persons) by 2030. The 2028 full-time population projection, as it relates to the planning period for this LSWMP, is 254 persons (an increase of 18 persons).

The District has introduced new programs since the 1997 LSWMP to increase the re-use and recycling of wastes generated on the Island. One such program is the acceptance of source-separated glass at its transfer station. Once collected, the District transports the glass containers to the compost station, where the material is fed into a grinder that brings the product down to a sand-like size and texture. The equipment includes a screen that aids in removal of labels, which results in a final product that can be used as fill at the compost station. Such practice is consistent with the State's *Beyond Waste Plan* where recommendations for improved recycling include the "...local use of processed, mixed glass...in engineering applications." (Page 152)

The District also now provides containers for wood waste and oversized MSW, and has implemented a composting program at the compost station. The District processes brush and yard waste resulting in a usable compost product made available for use on the Island. The importance of this practice is the creation of a valuable soil amendment for on-Island properties. As recognized in the State's *Beyond Waste Plan*, "Because compost contains high levels of organic carbon, which can fuel key ecosystem functions like nutrient cycling, water retention, and erosion control, it can also help rebuild soils." (Page 158). The District recognizes the benefit in improving its composting program

to include organics and in 2016, presented a plan to the community for a composting program (among other things) that would require the source separation of organics.

The District has also improved its community engagement process. Several times per year, the District delivers presentations to the community on the status of the facilities, its desired plans for improvements, and program changes to increase recycling and composting. The District also maintains a current website to provide up-to-date information for the community and is active on social media platforms.

The 1997 LSWMP identified a five-year goal of recycling approximately 42% of the MSW stream. The FIWMD's programs and policies have managed to achieve an overall recycling rate of 46% and a MSW off-Island thermal disposal rate of approximately 1.09 lbs./person/day, when averaged annually, meaning that the current disposal rate on a per-capita basis, while commendable, remains close to double that of the State's goal.

The 1997 LSWMP identified the co-location of the transfer station and compost station as a key facility goal. As of the current date, the consolidation of these two facilities has not occurred; however, between 2016 and 2018, the District prepared site development plans, undertook a comprehensive environmental review of the project, and filed with the Town of Southold for approval. In November 2018, the District withdrew its plan in response to community concerns and questions regarding the potential impact of a facility consolidation plan. It has now elected to form a committee, which will be comprised of members of the full-time and seasonal populations, as well as District staff, to develop a consensus-based plan for improved solid waste management facilities, based on the District's goals.

This Plan sets forth the District's current programs and policies, and its planned activities and improved programs to decrease its MSW disposal volumes, while significantly increasing its diversion from the MSW disposal stream to recycling and related uses. Furthering employee education and training, as well as improvements to public education programs, are also integral to this Plan.

Chapter 1 of this Plan describes the District, as the Planning Unit, and the population it serves. The current population and the projected changes in 2028 are presented. The seasonal variations in waste generation and the unique circumstances affecting solid waste management are also discussed. Finally, the 1997 LSWMP and the changes in waste generation, waste composition, and programs are included.

Chapter 2 of this Plan provides the current waste generation and composition, and the projected changes in the planning period to 2030 based on the current programs and policies. An assessment of such data is also provided.

Chapter 3 of this Plan describes the District's two facilities – the Transfer Station located at 58 Town Road and the Compost Station and Receiving Facility located at 2760 Whistler Avenue. The programs and initiatives at each of the two facilities, and an assessment are also included.

Chapter 4 of this Plan provides the administrative and financial structures of the Planning Unit. The revenues and expenditures of the District are also discussed. The current policies, regulations and local laws are described, as well as an assessment of any required changes for the achievement of the goals set forth in this Plan.

Chapter 5 of this Plan includes a qualitative assessment of alternatives and modifications to the existing solid waste management program for the achievement of the waste reduction, re-use and recycling goals over the term of the planning period.

Chapter 6 of this Plan sets forth the implementation plan and schedule.

Chapter 7 of this Plan sets forth the corresponding waste stream projections, including types and quantities, as well as the disposal, reduction, and recovery projections through phased participation in the proposed programs.



## Chapter 1. Planning Unit Description

### 1.1 The Planning Unit - Introduction

Fishers Island is part of the Town of Southold, a municipal corporation of New York State located on the easternmost portion of the north fork of Long Island, in the County of Suffolk. The Island is located approximately 12 miles northeast of Orient Point, Long Island, and four (4) miles from the coast of Connecticut. The Island is bordered by the Long Island Sound to the east and west, Fishers Island Sound to the north, and Block Island Sound to the south. Fishers Island is less than seven miles in length and averages 0.75 mile in width, covering approximately 2,586 acres or four square miles.

There is no bridge connection from the mainland to Fishers Island. Access to Fishers Island is limited to ferry service through the Fishers Island Ferry District from the City of New London, Connecticut, private boats or boat taxis, and private air charters to the Elizabeth Field Airport, located on the west end of the Island.

The Island's isolation from the Town of Southold led to the Town Board's creation of a special waste management district in March 1952. Then referred to as the "Fishers Island Garbage & Refuse District," the Fishers Island Waste Management District (FIWMD or District) has sole responsibility for the operation and management of solid waste management activities on the Island. The geographic isolation of the Island also renders it impractical for the District to integrate its recycling and waste management activities with those of the Town of Southold. Consequently, the District has developed a network of relationships with public and private parties in the State of Connecticut to meet its solid waste management needs. The facilities and organizations with which the District has established relationships are included in Chapter 4 of this Plan.

Fishers Island consists primarily of residential land use (approximately 36% of land area) and undeveloped land (approximately 26% of land area). Recreational land and open space account for approximately 18% of the total land area. Transportation land use, which consists primarily of the Town of Southold-owned Elizabeth Field Airport and the Fishers Island Ferry District, occupies approximately 13% of the land area. The remaining seven percent of the Island is comprised of institutional, waste handling and management, industrial, commercial and utility uses. Table 1 below includes the acreage and percent of total land area by land use type, as included in the Town of Southold Comprehensive Plan Update – Land Use Draft Chapter (March 15, 2017).

**Table 1 - Fishers Island Land Uses by Acreage (2017)**

<b>Land Use</b>	<b>Acreage</b>	<b>Percentage of Total Land Area</b>
Residential	940	36.3
Vacant (Undeveloped)	669	25.9
Recreation & Open Space	471	18.2
Transportation	329	12.7
Institutional	95	3.7
Waste Handling & Management	28	1.1
Industrial	24	0.9
Commercial	22	0.9
Utilities	7	0.3
Total:	2,586	100

The District currently receives and manages wastes generated by all residential uses and a portion of the non-residential uses on the Island (see Section 1.4).

## 1.2 Members of the Planning Unit and Functions

### *1.2.1 Fishers Island Waste Management District*

The FIWMD is a municipal special improvement garbage district created by the Town of Southold in 1952, pursuant to Chapter 69 of the Laws of New York, and established a separate Board of Commissioners pursuant to Chapter 378 of the Laws of New York. Chapter 69 authorized the Town Board of the Town of Southold to establish the then referred to as "Fishers Island Garbage & Refuse District" and states in pertinent part as follows:

*The Town Board of the Town of Southold in the County of Suffolk is hereby authorized and empowered to establish a garbage and refuse district for that portion of such town known as Fishers Island and to vest the operation, management and control thereof in a Board of Commissioners in such district.*

In April 2003, the Town of Southold elected to rename the District from the "Fishers Island Garbage & Refuse District" to the "Fishers Island Waste Management District," with no change in function or purpose.

The Board of Commissioners is comprised of five members elected by the registered voters of Fishers Island. The District also employs six staff members for administration and facility operation. The Board of Commissioners has full contractual authority for the execution of waste management contracts, as well as the establishment and execution of solid waste management programs and policies on the Island. The Board of Commissioners also operates, manages and controls two facilities on the Island - a transfer station located at 58 Town Road, and a compost station/receiving facility located at 2760 Whistler Avenue. A description of these facilities is included in Chapter 3 of this Plan. Chapter 4 of this Plan provides additional information for the District, including its organizational structure and staff responsibilities.

There is no public collection of refuse or recyclables on the Island. Rather, all residents and businesses are responsible for delivering wastes to the District's facilities either on their own or by hiring a contractor of which a small number are known to operate on the Island. Other than these two facilities, there are no other waste handling or disposal sites currently active on Fishers Island that serve the public; however, there are limited composting programs conducted by two local landscaping companies. The only local waste processing activities of the District are the crushing and re-use of source-separated glass and the composting program. All other wastes and recyclables are transported off-Island by licensed carters to permitted facilities in the State of Connecticut.

### *1.2.2 Town of Southold*

The Town of Southold has a limited role in the planning unit. Specifically, the Town levies the financing for the FIWMD operations through taxation of the Fishers Island residents and maintains jurisdiction for site and building improvements.

1.3 Fishers Island Population and Housing - Current and Ten-Year Projections

1.3.1 Current Population and Housing

Fishers Island, as a largely seasonal or second-homeowner ownership community, presents unique planning challenges. With no hospitality uses, tourists who do not own but wish to vacation on Fishers Island rely on home rental properties. Based on U.S. Census decennial data, approximately 80 percent of housing units on the Island are categorized as seasonal (see Table 2), thus resulting in a significant seasonal population that has ranged from 1,875 to 2,635 over the last three census periods (see Table 3). The remaining 20 percent of the housing units are those occupied by the relatively small, full-time population that has ranged over the last three census periods from 329 to 236 (see Table 3).

Table 2 - Fishers Island Full-Time and Seasonal Housing Units, 1990 – 2010

Housing Unit Type	1990 Housing Units (A)	2000 Housing Units (B)	2010 Housing Units (C)	Percentage Change	
				1990 - 2000	2000- 2010
Full-Time	152	138	120	-9.2	-13.0
Seasonal	375	448	527	+19.5	+17.6
<b>TOTAL:</b>	<b>527</b>	<b>586</b>	<b>647</b>	<b>+11.2</b>	<b>+10.4</b>

Sources:

- (A) IPUMS NHGIS, University of Minnesota, [www.nhgis.org](http://www.nhgis.org) (Note: This data source was used to procure 1990 census data for Fishers Island as the U.S. Census Bureau’s American Fact Finder only provides data from the year 2000 through the present; Fishers Island was not identified as a Census Designated Place in the 1990 census, and thus, housing unit data for all census blocks comprising Fishers Island in the 1990 census was obtained and summed)
- (B) United States Census Bureau (2000). *General Housing Characteristics: 2000*. [<https://factfinder.census.gov/>]
- (C) United States Census Bureau (2010). *General Housing Characteristics: 2010*. [<https://factfinder.census.gov/>]

Table 3 - Fishers Island Full-Time and Seasonal Population, 1990 – 2010

Population Type	1990 Population (A)	2000 Population (B)	2010 Population (C)	Percentage Change	
				1990 - 2000	2000 – 2010
Full-Time	329	289	236	-12.2	-18.34
Seasonal <sup>1</sup>	1,875	2,240	2,635	+19.5	+17.6
Guests & Lodging <sup>2</sup>	104	97	88	-6.7	-9.3
<b>TOTAL PEAK:</b>	<b>2,308</b>	<b>2,626</b>	<b>2,959</b>	<b>+13.8</b>	<b>+12.7</b>

Sources:

- (A) IPUMS NHGIS, University of Minnesota, [www.nhgis.org](http://www.nhgis.org)
- (B) United States Census Bureau (2000). *Age Groups and Sex: 2000*. [<https://factfinder.census.gov/>]
- (C) United States Census Bureau (2010). *Age Groups and Sex: 2000*. [<https://factfinder.census.gov/>]

<sup>1</sup> Based on an estimated average of 5.0 persons per seasonal household, as published by the Suffolk County Planning Department.

<sup>2</sup> Guests in full time housing units and occupancy of lodging units. From housing unit data and other factors developed by the Suffolk County Planning Department.

As shown in Table 3 above, the population of the Island currently increases by over 1,000 percent in the peak season. In reviewing Table 2, the steady growth in the number of seasonal housing units while full-time housing units have declined somewhat indicates that the ratio of seasonal-to-permanent residents has likely gradually increased for many years.

### 1.3.2 *Projections of Population*

#### A. Full-Time Population

As indicated in Table 3, while Fishers Island seasonal population has steadily increased, the full-time population of the Island has been steadily declining, according to the last three US Census counts. This reflects a continuing challenge of attracting year-round residents in the face of the high housing costs, limited employment opportunities, and routine cost of ferry transit to/from Connecticut for shopping and other services. If one were to use the long-term trends demonstrated by the past U.S. Census data, the forecast would show an expectation for continuing decline of full-time population. However, this trend has been identified as a key planning issue to be addressed by the Island community, including but not limited to the following:

- The Fishers Island Strategic Plan: 2007- 2017, Prepared for: Fishers Island, Town of Southold included a goal of fostering: “A sustainable year-round population of up to 500 people, with sufficient diversity (in terms of age, sex and ability) to maintain a self-sufficient Island community.” The Plan addressed a range of factors that would contribute to achievement of the goal; and,
- On-going activities of the Walsh Park Benevolent Corporation, which was founded in 1987 to promote the viability of the year-round community of Fishers Island by creating and maintaining a supply of attractive and affordable housing.
- Recent developments, such as artist studios with gallery space.

It has been assumed for the purpose of this Plan that the Island will succeed in its effort to stabilize the full-time population of the Island, with the potential for an additional 20 persons (from the 2010 US Census count of 236 persons<sup>3</sup>) by 2030. As noted in Table 4, the projected 2028 population for this Plan is 254 persons. Whether this occurs or not will have minimal impact upon the waste management goals of the District, given the much larger seasonal population, which is expected to continue to grow based upon long term and continuing recent trends.

#### B. Seasonal Population

A projection of seasonal peak population levels is based upon the forecasted change in seasonal housing units. The future housing unit levels were based upon a linear regression analysis with the 1990 Census, 2000 Census, and 2010 Census data as inputs. The resulting forecast of housing units was combined with the assumed population per unit in seasonal dwellings (i.e., 5.0 persons per unit) to yield an estimated future population.

Table 4 contains a summary of historical population and the projected growth.

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<sup>3</sup> The U.S. Census publishes not only its decennial counts of population and housing units (along with other demographic data) but also the periodic American Community Survey (ACS), which contains estimates of population and housing units based upon sampling data. Unfortunately, the sampling method used in the ACS publications yields a large margin of error for small population areas, such as Fishers Island. Based on the ACS, the estimated full-time population in 2016 was 303 persons; however, the reported margin of error is +/- 151 persons. For this reason, the ACS estimates were not used.

**Table 4 - Population Projections – Full-Time and Seasonal**

Population Element	1990	2000	2010	2019	2028
Full time	329	289	236	245	254
Seasonal	1,875	2,240	2,635	2,972	3,314
Guests & Lodging	104	97	88	89	91
Total Peak	2,308	2,626	2,959	3,306	3,659

**C. Seasonal Profile**

In order to complete the analysis of the waste stream from a population perspective, the amount of time the seasonal population spends on the Island is necessary. Table 5 contains the assumed monthly profile for seasonal dwellers on the Island.

**Table 5 - Estimated Duration of Stay for Seasonal Population by Month**

Month	Seasonal - % Occupied
January	0%
February	0%
March	5%
April	10%
May	30%
June	70%
July	100%
August	100%
September	70%
October	50%
November	25%
December	0%

The estimated duration of stay, in combination with the above estimates of the size of the seasonal and full-time population yield an estimated annual average population of 1,306 in 2019, increasing to 1,539 in 2028.

**D. Population Density**

The population density of a community can also have an impact on the generation and waste stream composition. The NYSDEC defines rural areas as communities with a population density of less than 325 people per square mile, suburban areas as communities with a population density between 325 and 5,000 people per square mile, and urban areas as communities with a population density greater than 5,000 people per square mile (*Beyond Waste Plan*, p. 96). Fishers Island is approximately 4.04 square miles with a full-time population of 236 persons, which would categorize the planning unit as rural (see Table 6). However, the seasonal population increase of

over 1,000 percent alters the community to a suburban area (see Table 6) during that timeframe. As discussed in Chapter 2, the waste stream generation and composition significantly change in the peak season.

**Table 6 - Fishers Island Population, Land Area and Population Density**

Population	Land Area (sq. mi.)	2010 Total Population	2010 Population Density (persons/sq. mi.)	2028 Total Population	2028 Population Density (persons/sq. mi.)
Full-Time (Oct – April)	4.04	236	58	254	63
Peak Season (May – Sept)	4.04	2,959 Total	732	3,659 Total	906

Population Density Notes:

Rural Community: Less than 325 people/square mile [Noted in Yellow above]

Suburban Community: Between 325 and 5,000 people/square mile [Noted in Blue above]

Urban Community: Greater than 5,000 people/square mile [N/A]

As indicated in Table 6 above, the 2028 projections do not alter these designations. Fishers Island remains rural in the off-season and suburban in the peak season.

#### 1.4 Fishers Island Non-Residential Uses and Potential Growth

As noted in Section 1.1 above, Fishers Island consists primarily of residential land use (approximately 36% of land area) and undeveloped land (approximately 26% of land area). Recreational land and open space account for approximately 18% of the total land area. Transportation land use, which consists primarily of the Town of Southold-owned Elizabeth Field Airport and the Fishers Island Ferry District, occupies approximately 13% of the land area. The remaining seven percent of the Island is comprised of institutional, waste handling and management, industrial, commercial and utility uses.

The District receives all MSW and residential recyclables generated on the Island at its transfer station site. In addition, a range of other wastes generated on the Island (e.g., brush, wood waste, oversized bulky MSW wastes and scrap metals) are received at the compost station. Based on District recordkeeping, there are 19 commercial entities on the island delivering wastes to the FIWMD compost facility. As further discussed in Section 3.1 of this Plan, waste types include brush, commercial and demolition debris, appliances and/or e-Wastes. It is noted that there are commercial entities on the Island that contract with private carters for non-MSW waste (C&D waste in particular) transportation and disposal directly, thus not utilizing the FIWMD compost station.

In addition to the forecasting of residential growth above, it is important to understand the potential growth of non-residential uses on the Island. As of the preparation date of this LSWMP, there is a community art and food complex currently under construction and a waterfront park being considered. The wastes associated with these uses are captured within the projected waste growth based on historic growth and population projections.

#### 1.5 The Neighboring Planning Units

Given Fishers Island’s isolation from the mainland, the District must develop and administers its own programs. The District relies upon transportation and disposal contracts with entities within the State of Connecticut; however, the negotiation and execution of these contracts are performed solely by the Board of Commissioners.

**1.6 Seasonal Variations and Unique Circumstances Affecting Solid Waste Management**

- Geographic Isolation** - Fishers Island is located a short distance from the Connecticut coastline, off the Town of Groton, Connecticut. It is geographically isolated from the Town of Southold, having no transportation links with Southold, or any other New York State location. The Fishers Island Ferry District provides routine service to the City of New London, Connecticut. Vehicular traffic between Fishers Island and Southold must rely upon two ferry systems: (1) Fishers Island Ferry District; and (2) Cross Sound Ferry Services, which provides service between New London, Connecticut and Orient Point, Long Island. These geographic realities have resulted in the Island's primary employment, commerce, and transportation links to be established with the State of Connecticut. Moreover, Fishers Island is dependent upon Connecticut facilities for its waste management and recycling services.
- No Solid Waste Disposal On-Island** - Fishers Island contains no solid waste disposal locations. The Fishers Island landfill operated for some 40 years, until its closure in 1991. After the rejection of a plan to construct incinerators and an ash landfill on the Island, the District proceeded with the construction of the current transfer station, while also managing the compost station/receiving facility. All wastes for disposal are shipped off-Island via various haulers. The District maintains contracts and agreements with the Fishers Island Ferry District for transportation costs, as well as separate contracts with various haulers and tipping/processing facilities in the state of Connecticut (see Appendix 2). The reliance upon the Fishers Island Ferry for transport off-Island and the mainland for disposal results in high transportation costs for the District, as well as the inherent environmental impacts associated with hauling trucks (e.g., direct emissions, energy demand). The District recognizes the State's *Beyond Waste Plan* in that "avoiding transportation impacts by managing materials closer to the point of generation is often a better environmental and economic choice." (Page 52) This Plan sets forth various goals to reduce the amount of waste requiring transport off-island, thus decreasing the number of trucks having to travel to and from the island to facilities in Connecticut.
- High Seasonal Population** - As explained in Section 1.2 of this Plan, Fishers Island has a small, full-time population that has ranged over the last 30 years from a high of 329 persons to a low of 236 persons. In the peak season that typically runs from the end of May through September, the population increases by over 1,000 percent. Table 7 below, provides the percent of annual municipal solid waste shipped off-Island for each month for a recent year of data.

**Table 7 - Percent Annual MSW Shipped Off-Island by Month**

<b>Month</b>	<b>Percent Annual Tons</b>
Jan	3.0%
Feb	0.0%
Mar	7.7%
April	3.5%
May	7.7%
June	10.8%
July	21.4%
Aug	19.8%
Sept	12.3%
Oct	7.2%
Nov	3.5%
Dec	3.2%

In addition to the higher waste volumes to be handled, the seasonal rental population presents challenges with solid waste management. Given the small full-time population, there is an Island-wide “awareness” to reduce household disposal volumes, as well as to separate recyclables. As methods to reduce disposal volumes, the District implements a composting program and accommodates household reusable goods for the community through a “leave and take area.” The management of solid wastes requires the cooperation of the short-term tenant rather than the owner of the home, as opposed to a hospitality use that can actively manage and recycle its wastes.

- ***Limited Land Area*** - The District leases the land on which the transfer station is located and the land area is inadequate for the equipment required for a single-stream recycling program. Unless the facility is modified to accept and compact single-stream recyclables into higher density truckloads, the District will continue to ship more truckloads of less-dense mixed containers (glass, plastic and metal food containers) and mixed paper than would otherwise be the case. The District could accomplish this either by arranging to expand the transfer station facility to provide another “slot” for a single-stream compactor, or by relocating this activity to the compost station, which would provide the land area for making the desired program changes. Such changes include the implementation of single-stream recycling. In addition, this Plan concludes that to meet the NYSDEC goal of reducing MSW sent to disposal to 0.6 lbs./capita/day by 2030, it will be critical to begin source-separating organic waste for processing by digestion or composting, either on-Island or off-Island. Similarly, if this additional stream were to be accepted at the transfer station site, space would need to be identified to accommodate one or more containers. Alternatively, residents could be asked to source-separate this additional stream for delivery to the compost site, which has ample space to accommodate additional containers. Chapter 5 includes information on improvements to reduce disposal volumes.

## **1.7 Changes to the Planning Unit since the 1997 Local Solid Waste Management Plan**

### ***1.7.1 Implementation of the 1997 LSWMP***

The 1997 LSWMP identified the co-location of the transfer station and compost station. As of current date, the consolidation of these facilities has not been implemented.

The 1997 LSWMP also identified a five-year goal of recycling approximately 42% of the MSW stream. The FIWMD’s programs and policies have managed to achieve an overall recycling rate of 46% and a MSW off-Island thermal disposal rate of approximately 1.09 lbs./person/day, when averaged annually.

### ***1.7.2 New Solid Waste Management Facilities***

There have been no new solid waste management facilities established on Fishers Island since the 1997 LSWMP. The District continues to operate two facilities on the Island – a transfer station and a compost station/receiving facility.

### ***1.7.3 Waste Generation and/or Composition Changes***

During preparation of the 1997 LSWMP, the operations had recently transitioned from a former landfill to use of the then-new transfer station and continued use of the “burn dump,” which is now the current



compost station. Table 8 provides a comparison of the data included in the 1997 LSWMP to the current<sup>4</sup> data recorded by the District.

**Table 8 - Waste Generation Comparison of 1997 LSWMP to 2017 Conditions**

Item	1997 LSWMP	Current	Change
Net Tons MSW Disposed:	318	255	-19.8%
Tons Recyclables Includes Mixed Paper plus Plastic, Metal, & Glass Food Containers:	109	109	--
Tons Cardboard Recycled:	51	45	-12%
Tons Wood Waste To Off-Island Facility:	19	86	455%
Tons Oversized MSW:	Not reported	130	
Scrap Metal Recycled:	Not reported	65	

The reasons for the changes noted in Table 8 may be attributed to a variety of factors. First, there may be less commercial activity on the Island at this time than was the case in 1994, which, if true would follow the continuing decline in full-time population over the approximately 25 years. Other factors that likely contribute to these changes are the on-going changes in waste composition (one example is the continuing trend in shifting from glass to plastic containers) and the significant decline in both the size and distribution of newspapers and magazines. Further, it is possible that more contractors are taking advantage of the District's wood waste and oversized MSW services to dispose more of its Commercial & Demolition (C&D) wastes. It is difficult to draw direct conclusions from the information in this table. For example, while at first glance one might assume there is less recycling participation on the Island, it is possible to have more recycling participation while at the same time reducing tonnages recovered (e.g., smaller newspapers and fewer magazines in circulation, shifts in food container materials from glass to plastic, etc.).

Certainly, the overall composition of the MSW waste stream has changed over time, which can also contribute to varying amounts of waste. Table 9 provides a summary of available information on waste composition from 1996 to the present.

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<sup>4</sup> This Plan was initially prepared during the Spring and Summer of 2018, and base calculations contained in the document utilize 2017 full-year data. As the final review (including public comment and hearing process) progressed, increasing amounts of 2018 data became available for consideration. Where noteworthy, this final draft contains comments regarding new data where it differs materially.

**Table 9 - Comparison of MSW Composition - 1996 to Present**

Waste Type	1996 US EPA Estimate (A)	Current DEC Estimate (B)
Paper	31.10%	31%
Organics	27.40%	15%
Miscellaneous	1.90%	15%
Plastics	12.30%	14%
Metal	6.40%	9%
Wood	6.80%	6%
Rubber & Leather	3.70%	Not Stated
Glass	6%	5%
Textiles	4.40%	5%

Sources:

(A) Characterization of Municipal Solid Waste in the United States, 1997 Update prepared for US EPA by Franklin Associates.

(B) [ftp://ftp.dec.state.ny.us/dsh/Planning/Waste\\_Composition\\_Calculators/popandmswcompcalc.xlsm](ftp://ftp.dec.state.ny.us/dsh/Planning/Waste_Composition_Calculators/popandmswcompcalc.xlsm). See Figure 5 in this Plan.

#### 1.7.4 New or Enhanced Programs

Since the 1997 LSWMP, the District has introduced new programs. As noted earlier, the District now provides containers for wood waste and oversized MSW at the compost station. In addition, the District now accepts source-separated glass at its transfer station. With the introduction of a separate container for collection as well as providing homeowners and business with recycling totes for glass bottles, the District is now able to process glass for reuse. Specifically, once collected, the District transports the glass containers to the compost station, where operating staff feed the glass container stream into a grinder that brings the product down to a sand-like size and texture. The equipment includes a screen that aids in removal of labels, which results in a final product that can be used beneficially as fill at the compost station. Such practice is consistent with the State's *Beyond Waste Plan* where recommendations for improved recycling include the "...local use of processed, mixed glass...in engineering applications." (Page 152)

Over this period, the District has also purchased and deployed a shredder and compost screen to allow for the processing of brush and yard waste for a usable compost product. The District accepts brush and yard waste at the compost station and uses its own equipment and staff to process the material, which is then composted in an open windrow approach. The compost is then made available to the Island. The importance of this practice is the creation of a valuable soil amendment for on-Island properties. As recognized in the State's *Beyond Waste Plan*, "Because compost contains high levels of organic carbon, which can fuel key ecosystem functions like nutrient cycling, water retention, and erosion control, it can also help rebuild soils." (Page 158). The District recognizes the benefit in improving its composting program to include organics. As discussed later in this Plan (see Section 5.2.2), the District has presented a plan to the community for a composting program requiring the source separation of organics and desires to implement a plan to increase its composting material, while decreasing its MSW disposal rate.

An additional activity now performed by the District is the removal of refrigerants ("CFC's") in all appliances received. The District has invested in training its own staff, who are now certified to perform the refrigerant removal process. This has eliminated the need to hire and await arrival of an off-island contractor to perform the service. Once the CFC's are removed, the items are then managed as scrap metal sent to recycling. The District stores the recovered CFC's in pressurized tanks (similar in size to a conventional

propane tank) and, once full, tanks are sent off-Island to the HVAC/Plumbing contractor that provided the equipment to the staff.

The District is also active with education and outreach for its staff and operations. Relevant to staff training for the composting operation, FIWMD has invited experts in composting system operation and maintenance practices to the Island to train its staff in good operating practices. These experts have come from the New York State Pollution Prevention Institute (Rochester Institute of Technology), Cornell Waste Management Institute, and the US Composting Council.

The District has also improved its community engagement process. Several times per year, the District delivers presentations to the community on the status of the facilities and its recently proposed plan for consolidation (now withdrawn) and programs to increase recycling and composting. The District is also active on social media platforms (Facebook and Instagram) and maintains an active website for up-to-date community information.

#### ***1.7.5 Changes in Surrounding Land Use and Development***

As illustrated on Figure 1, the compost station is bordered on its west side by the Fishers Island Sound. The Elizabeth Field Airport is located to the south and east, and residential uses are located to the north, all of which existed in 1997. Land uses to the north and east include the Community Center, public recreational areas (including tennis and basketball courts), Fishers Island School, residential, municipal and commercial uses. The Fishers Island Ferry with associated offices and storage space, contractor storage, artist studios, and an active US Coast Guard Station, are situated further north and east.

It is noted that several of the now existing residential, municipal and commercial uses were initiated after the 1997 LSWMP, replacing what were once commercial and industrial uses, or vacant land. Specifically,

- Artist studios and gallery space replaced ferry offices and other offices and/or storage.
- Community Center replaced contractor space and storage.
- Residential adjacent to Community Center converted a vacant building into a home.
- Town Salt Barn and Propane Company.

As of the preparation date of this LSWMP, there are also new uses planned, including a community art and food complex (currently under construction), a waterfront park, as well as residential homes and apartments. With the changes in land uses occurring after adoption of the 1997 LSWMP and the continued changes in land use, the FIWMD is well aware of the community's interest in the activities that occur on the compost station property. Specifically, the community has made the District aware that they are not in favor of consolidating all operations at the current compost station site.

Figure 1 – Land Uses Surrounding Compost Station



## Chapter 2. Waste Generation and Materials Recovery Data

### 2.1 Current Waste Generation and Composition

This section provides a summary of waste generation on the Island, including that portion handled by the District. The volumes of waste and recyclables received and managed are based upon records maintained by the District that originate at destination processing facilities in Connecticut for respective streams. Where data is not available, an estimated amount has been provided based upon facility knowledge.

#### *2.1.1 MSW*

The District receives MSW at its transfer station from generators on the Island, including residents and the small number of business enterprises (which may include a small number of haulers). The few haulers on the Island are local contractors who perform the curbside pick-up in smaller, pick-up trucks where they are directly engaged by the resident or business. The equipment used is not typical of conventional waste haulers and the operators are not regional or multi-state operators.

The waste is deposited by the user into compactor hoppers at the transfer station and because there are no other waste facilities on the Island. There is no MSW being transported off-Island by private haulers, hence the volume received by the District likely reflects all MSW generated on Fishers Island. The annual volume is approximately 260 tons, which is exported off-Island in approximately 30 separate truck-trips, with an average net weight of approximately 8.8 tons/trip. Due to the low year-round population, this results in storage of MSW at the transfer station during winter months for up to 3-4 weeks, as compared to a week or less in the summer. This duration is outside the limits of the general permit registration now in effect and the District is considering how to best achieve compliance, whether with more frequent shipments or through applying for an individual permit with a variance on this issue.

The District also has an open-top container at its compost station where users deposit oversized MSW items. Categorized as “bulky waste” in the District’s database, this includes some amount of non-wood demolition waste from smaller projects. Records show approximately 130 tons/year of this material is removed annually in approximately 16 truck trips with an average net weight of 8.2 tons/trip.

#### *2.1.2 Recyclables*

The District accepts source-separated recyclables from users of its facilities. Table 10 provides a summary of the categories of recyclables received and the amounts according to District records:

**Table 10 - Summary of Current Recyclables Handled<sup>5</sup>**

Recyclable Stream	Est. Yearly Tons	Off-Island Trips	Net Weight/Trip (tons)
Old Corrugated Cardboard	45	12	3.6
Mixed Paper	30	9	3.5
Plastic, Metal, & Glass Food Containers <sup>6</sup>	79	31	2.5
Scrap Metal	55	6	9.2
Mattresses	152 units	Managed with Oversized MSW	Managed with Oversized MSW
eWaste	54 units	Managed with Oversized MSW	Managed with Oversized MSW

Appliances are one element of the scrap metal stream. When refrigerators, air conditioners and dehumidifiers are received, District staff remove CFC's thereafter allowing those items to become part of the scrap metal stream sent directly to scrap metal recyclers.

**2.1.3 Construction and Demolition (C&D) Debris**

The District receives the following C&D materials at the compost station:

- Wood waste (source-separated). This stream includes a range of construction and demolition materials, including doors, cabinets, framing material and any type of woody materials;
- Inert materials – Such materials include brick, block and similar materials; and
- Metals (discussed separately as metal recyclables).

These wastes are primarily from C&D activity, where the waste is separated at the point of generation and then delivered to the District.<sup>7</sup> In this manner, the District receives approximately 86 tons/year of wood waste, which requires approximately 12 off-Island truck trips with 7.2 tons/trip net weight.

No record is kept of the amount of inert material accepted at the station; however, as discussed in Chapter 5 (Section 5.1.9), the District proposes to improve its recordkeeping of such materials. A small amount of C&D waste generated on the Island is likely disposed of with the bulky (oversized MSW) waste shipments, and to a much lesser extent, where the material fits into the bags and bin, included along with the MSW waste shipments as is typically the case with MSW disposal programs.

As with other jurisdictions, contractors generate most of the C&D debris from the Island and the contractors arrange to remove the majority of this material off-Island, either with their own equipment or through hiring a separate hauler. Containers are placed at the job site and then taken off-Island directly to a processing and recovery facility. In addition, as is typical, the District is not involved with contractor-facility disposal arrangements. The District will explore methods to quantify the amount of such waste generated; however, some barriers exist to obtaining reliable data:

<sup>5</sup> The District currently separates mixed fibers from mixed glass, metal and plastic food containers in a traditional dual-stream recycling approach. For this reason, these two streams are presented separately in the table where most local planning units would consider these together as "single-stream" recyclables.

<sup>6</sup> As noted previously, full-year 2017 data was relied upon as this Plan was being drafted. At the same time this work was ongoing, the District began receiving source-separated glass containers, which are being crushed and used on-site for clean fill purposes. Part-year data from 2018 indicates that approximately one-half this amount is now being diverted for beneficial use on-Island.

<sup>7</sup> A small portion of the scrap metal may be furniture or similar materials not related to construction or demolition projects however, details on this breakdown are not available. In addition, some portion of the wood waste may be pallets or crating also not from C&D activity.

1. A range of contractors (plumbers, carpenters, electricians, roofers, and similar parties) are known to travel to the Island with their work truck, perform their services, and then leave with the day's accumulated waste in the truck. While the amount of waste from each such daily effort may be small, in some cases, on an annual basis it may reflect a measurable portion of the C&D waste associated with the development on the Island.
2. Not all of the construction or demolition activity on the Island may have an associated permit; portions of the replacement or reconstruction efforts do not rise to the level of requiring a permit.
3. The District is not engaged in issuing building permits and would need to rely upon Town agencies to help gather data on major projects. The extent of such assistance may be unreliable, but more importantly, this data is not reportable to the Town and would therefore require regulatory changes in data reporting.
4. The Ferry District does not weigh outbound loads leaving the Island. Moreover, tickets for the use of the ferry are sold on a round-trip basis in Connecticut and no effort is made to determine which trucks leave empty or full. Some contractors bring over materials in a truck that is then used to remove waste.

Recognizing the large seasonal growth in population on the Island, a traditional estimate of the amount of C&D waste produced using a pounds/capita/year generation factor is not reliable given the number of vacant housing units during much of the year. Therefore, the approach used for this purpose was to first derive an average per-housing unit generation factor, which in combination with the total number of dwelling units on the Island (647), resulted in a potential estimated total of 573 tons/year of C&D debris generated on the Island.

A recent compositional study performed by the Connecticut Department of Energy and Environmental Protection<sup>8</sup> concluded that approximately 21% of C&D debris was being co-disposed of with MSW, and not being sent directly to C&D processing facilities. If applied to Fishers Island, this would suggest 453 tons/year of C&D debris are being sent directly by various contractors from job sites on the Island to C&D debris processing facilities in Connecticut. The remainder, 120 tons/year, could then reflect the wood waste handled by the District (86 tons) plus 34 tons of the bulky waste shipments.

In most municipalities, some amount of residential C&D waste can be placed into automated MSW carts collected curbside, or in larger MSW containers emptied with front-arm loading collection vehicles. However, neither collection approach is used on the Island. Further, the District supervises the loading of MSW into the hoppers at the transfer station. It can therefore be concluded that very little C&D waste is comingled with the MSW stream as compared to typical municipal systems. The actual amount of C&D waste independently handled by contractors is somewhat higher.

#### **2.1.4 Brush & Yard Waste**

The District does not have a scale and therefore has no weigh records of the amount of brush and yard waste produced on the Island and managed at the compost station. Using information from the USEPA<sup>9</sup> in combination with U.S. Census data,<sup>10</sup> an average of 0.25 tons/housing unit per year<sup>11</sup> are estimated to be produced annually of yard trimmings. Using the 2010 Census of total housing units on the Island, the current total estimated generation on the Island would be approximately 134 tons. There exists a private brush and yard waste operator on the Island with its own facility. Assuming the District captures 50% of

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<sup>8</sup> Connecticut Department of Energy and Environmental Protection, *2015 Statewide Waste Characterization Study*

<sup>9</sup> Advancing Sustainable Materials Management: 2014 Tables and Figures, Assessing Trends in Material Generation, Recycling, Composting, Combustion with Energy Recovery and Landfilling the United States, December 2016.

<sup>10</sup> American Factfinder, U.S. Census, 2016.

<sup>11</sup> Year 2014 is the most current year where both of these sources provide estimates. The calculation is based upon 34,500,000 tons divided by 132,741,033 housing units.

the stream, approximately 67 tons/year of this waste category are estimated to be handled by the District. The District proposes to improve its recordkeeping of such materials.

#### **2.1.5 Industrial waste**

There are no industrial waste generators on the Island, and thus, the District does not handle any such waste.

#### **2.1.6 Biosolids**

There are no publicly or privately owned treatment plants on the Island. All septic waste is discharged to private systems, which are managed by the property or business owners. The pumping of tanks is accomplished by private service companies. Such companies are called upon by private owners to remove septage from the Island for delivery to off-Island POTWs. As septic systems are privately managed and serviced by a number of pump-out companies located on the mainland of Connecticut, the District does not have records on the volume of waste being removed from the Island. Due to the seasonal variability of the Island, it is also difficult to project a quantity based on a standard design flow factor for a given use. As these wastes are not currently nor plan to be managed by the District in the future, the volume of biosolids generated on the Island are not considered in this Plan.

#### **2.1.7 Scrap Tires**

The District received 44 tires during 2017 for management, likely due to the small full-time population and limited repair shops. Typically, approximately 40-to-50 tires are received annually, with recent amounts ranging up to 55 tires. The District contracts with a hauler for removal off-Island.

#### **2.1.8 Scrap Autos**

The District does not manage scrap autos. Rather, the Fishers Island Ferry District manages the transport of scrap autos off-Island.

#### **2.1.9 Medical Wastes**

There is one medical office on the Island; however, the District does not handle the waste. The staff of the office arrange for the transport of all medical waste generated by the practice to off-Island facilities. The District has contacted the medical office for waste generation data; however, they have been advised that the office does not track waste quantity.

#### **2.1.10 Household Hazardous Waste and Other Certain Special Wastes**

The District sponsors a Household Hazardous Waste (HHW) collection event every two years, which also includes receipt of waste oil from generators on the Island. Generators must store their waste during the interim periods. There are very limited amounts of other special wastes generated on the Island. One example is the utility district, which takes responsibility for shipping used transformers to off-Island processors. They also make used telephone poles available for reuse on the Island; however, the District is not involved in the handling.

#### **2.1.11 e-Wastes**

The District accepts e-Waste at the compost station and it is then shipped off-Island with oversized MSW for the contractor to manage.



**2.2 Projected Waste Generation and Composition**

In this subsection, the estimated quantities of solid waste and recyclables that may be expected to be handled by the District during the planning period are presented. These projections assume there is no attempt made to increase diversion rates and are therefore, referred to as the “no-action” projections (see Table 11).

The waste projections consider the forecasted population growth, both full-time and seasonal (provided in Chapter 1 of this Plan). However, the amount of waste generated for management, recycling and disposal at any time is dependent upon many factors, population being just one factor. Other factors include the overall condition of the local economy and continuing changes in composition due to packaging and other trends. For example, lightweight packaging trends have affected the profile of MSW composition through increases in plastic containerized food and decreases in glass food containers. No information is available for the District to forecast how quantities may change on the Island due to these additional factors. As a result, the future no-action levels of waste generation have been prepared assuming population is the only driving factor. Table 11 provides an estimate of the quantities of each waste or recyclable material stream now handled by the District and the projected change over time due to population, assuming no change in the current operation and no new programs.

**Table 11 - Estimated Future Quantities Handled by the District if No Action is Taken**

<b>Waste Stream*</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>
MSW:	255	265	271	276	281	286	292	297	302	307	313
Old Corrugated Cardboard:	45	46	47	48	49	50	50	51	52	53	54
Mixed Paper:	30	31	31	32	32	33	34	34	35	35	36
Plastic, Metal & Glass Food Containers (1):	79	81	82	84	85	87	89	90	92	93	95
Scrap Metal:	55	56	57	58	59	61	62	63	64	65	66
Mattresses(Units):	152	155	158	161	164	167	170	174	177	180	183
e-Waste(Units):	54	55	56	57	58	59	61	62	63	64	65
Oversized MSW:	130	133	135	138	141	143	146	148	151	154	156
Wood Waste:	86	88	89	91	93	95	96	98	100	102	103
Brush & Yard Waste:	67	68	70	71	72	74	75	76	78	79	81

\* Tons unless stated otherwise

(1) The District currently separates mixed fibers from mixed glass, metal and plastic food containers in a traditional dual-stream recycling approach. For this reason, these two streams are presented separately in the table where most local planning units would consider these together as “single-stream” recyclables.

If the District is to meet the State’s goal, the District must implement new programs to significantly reduce the quantities of waste shipped off-Island for management at disposal facilities in Connecticut. Chapter 7 of this Plan provides the District’s estimates on the amounts of waste to be handled after implementation of new programs and other operational recommendations for the planning period.

### 2.3 Assessment

As noted earlier in this Plan, the current overall recycling rate on the Island is estimated to be approximately 46%, which is commendable for a locality with a significant seasonal population element. This is calculated by deriving the fraction reflected by the total of all recovered recyclables<sup>12</sup> divided by the sum of recyclables recovered and MSW disposed of off-Island. Additionally, the District's hauling contractor sends its wood waste and bulky waste to a private processing facility in Bozrah, Connecticut.<sup>13</sup> At that facility, these materials are processed and components recycled (metals and wood in particular). That facility also maximizes the processing of unrecovered residues at resources recovery facilities<sup>14</sup> in preference to use of landfills.

For all of the significant waste streams produced on the Island, except C&D debris, it is believed the District receives and manages virtually all of the generation on the Island. With respect to C&D debris, the District has no involvement in managing C&D debris from larger project activities. This is a common approach throughout the State and region. Where such projects exist, the contractor or developer typically becomes responsible for C&D management and removal.

Assuming no action is taken to increase diversion of MSW components to composting and recycling, the projected future growth in average population of the Island will increase the amounts of waste and recyclables managed by the District by approximately 17.8% during this planning period.<sup>15</sup>

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<sup>12</sup> 79 tons bottle/can containers plus 30 tons mixed paper plus 45 tons corrugated cardboard plus 55 tons metal divided by that amount plus 255 tons MSW shipped off-Island.

<sup>13</sup> Superior Recycling LLC facility.

<sup>14</sup> Sterling Superior Services, the hauling contractor, uses the Preston RRF and Lisbon RRF

<sup>15</sup> 17.8% is derived from the estimated seasonal and full-time population corresponding to an estimated annual average population growth of 233 persons (current annual average population of 1,306 persons vs. projected 2028 annual average population of 1,539 persons).

## Chapter 3. Existing Solid Waste Management System

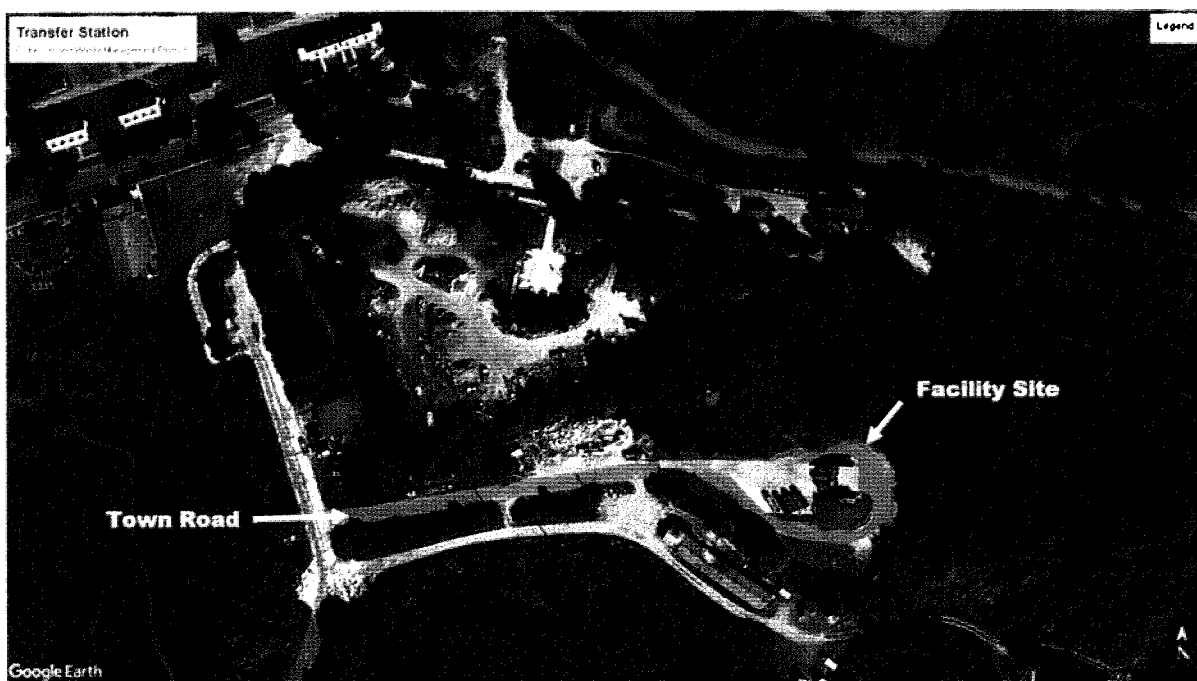
### 3.1 District Facilities – Ownership, Location, Size, Capacity & Wastes Managed

Prior to 1990, landfilling was the primary method of managing wastes generated on the Island. The main landfill site (now closed) accepted a range of household and commercial waste, while another site was used to accumulate appliances and other scrap metals. This so-called “metals dump” on Town property has since been cleaned up. In 1991, after rejecting a plan to construct incinerators and an ash landfill on the Island to manage combustible wastes from residents and businesses, the District built a transfer station on Town-owned property at 58 Town Road, which is located approximately ¾ mile from the Fishers Island Ferry dock (see Figure 1). The District also operates a compost station and receiving facility at 2760 Whistler Avenue, which is located approximately 0.2-mile distance from the Fishers Island Ferry dock (see Figure 2). A description of the two facilities, including the wastes managed, are included below.

#### 3.1.1 Transfer Station

The transfer station facility occupies a relatively small land area of approximately 1.44 acres, which is leased from the Town of Southold. This facility is registered under NYSDEC’s General Registration program. See Appendix 1 for a copy of the existing General Registration for this facility.

Figure 2 - FIWMD Transfer Station Location



The transfer station is a gated facility accessed via an entrance driveway from Town Road. It has appropriate signage displaying the hours of operation and the acceptable wastes. The facility is structured with an upper and lower level. At the upper level, users deposit MSW and corrugated cardboard into their respective hoppers that connect with the compactor containers that accept, compress and store the waste streams. Once full, the units are picked up and taken off-island, with the MSW units brought to disposal facilities and the corrugated cardboard units to recycling facilities.

After depositing MSW and corrugated cardboard, users proceed down to the lower level to deliver separated mixed fibers (old newspaper, books and other recyclable paper products), bottles, cans and glass. At that level, the users access containers using elevated platforms. Once full, the containers are removed from the Island and delivered to recyclable processing facilities. The source-separated glass is transported to the compost station for processing. A detailed description of the materials accepted are included in Table 12.

**Table 12 - List of Materials Accepted at the Transfer Station**

<i>Upper Level</i>	<i>Lower Level</i> <i>NO plastic bags of any kind in Recycling Dumpsters. Recycling must be emptied out of plastic bags. You may dispose of plastic bags in the garbage can by the recycling dumpsters.</i>
<p><b><u>Household Trash Containers</u></b>            -Kitchen Trash            -Bathroom &amp; Bedroom Trash            -Styrofoam packaging, Containers, Egg Cartons and peanuts/popcorn/beans: Must be bagged            -Used Cooking Oil, bacon grease</p>	<p><b><u>Glass Receiving Bin</u></b>            Source-Separated Glass Color Bottles or Jars, All Colors</p> <p><b><u>Bottles &amp; Cans (B &amp; C) Container</u></b>            - All Containers; Bottles, Can, Plastic - Must be Emptied and Rinsed            - Glass Containers not source separated            - All Plastic Containers and Bottles (examples: plastic planters, shampoo and conditioner bottles, yogurt containers, fruit containers, plastic food take-out containers, etc.)            - Aluminum Cans, Clean Aluminum Foil            - Tin Cans            - Food Cans            - Milk and Juice Cartons</p>
<p><b><u>Corrugated Cardboard Container</u></b>            -Cardboard should be empty            -Cardboard should be cut or flattened 2ft X 2ft prior to arrival at the station</p>	<p><b><u>Paper Products Container</u></b>            -Newspapers            -Books            -Cereal Boxes, Cookie Boxes            -Food Product Boxes            -Egg cartons (made of paper)            -Magazines            -Gift Boxes            -Paper Products            -Beer can cases 12 pk, 24 pk and 30 pk cases</p>

Based on District user logs, the transfer station receives approximately 18,000-to-20,000 user visits each year, with approximately 409 tons of MSW and recyclables handled annually. Table 13 summarizes the number of customer visits each month for the past two recent years. Of noted importance is the significant increase in user visits from June through September.

**Table 13 - Customer Visits to Transfer Station Site by Month**

<b>Month</b>	<b>2016</b>	<b>2017</b>
January	790	744
February	660	649
March	813	766
April	896	1,014
May	1,537	1,705
June	1,995	3,168
July	3,242	3,888
August	3,080	3,243
September	1,891	2,082
October	1,504	1,507
November	1,061	1,172
December	823	672
<b>Total:</b>	<b>18,292</b>	<b>20,610</b>

**3.1.2 Compost Station and Receiving Facility**

The Compost Station and Receiving Facility is on 9.33 acres of land located at the westernmost portion of the Island and has 1,200± feet of frontage on Fishers Island Sound. The District handles an estimated 337 tons/year of the following types of waste and recyclables at the compost station: yard waste, construction debris, household items: toys, clothing, lamps, brooms, mops, broken down garbage cans, appliances, bikes, landscaping machines, rugs, metal/plastic clothes hangers, furniture & tires, etc. The operation and site are registered with the NYSDEC under the general permit registration program (see Appendix 1).

Historically, the U.S. Military used the compost station property as a coastal defense installation and included concrete bunkers, underground ammunition storage structures, and gun batteries. While some of the historical structures are still present and largely undisturbed on the site, the District has modified, to the extent possible, two of the bunkers for waste receiving purposes. The structures include walls that create a grade separation originally providing protection to the coastal gun battery. These walls have been adapted to the extent possible as an area to receive deliveries of bulky waste materials (C&D debris, furniture, mattresses, etc.), eWaste, and scrap metals at the upper level by residents, with open roll-off containers at the lower level to receive waste materials.

The facility consists of: (1) an attendant shed; (2) elevated locations where users deposit wood waste, bulky waste and scrap metal into containers for off-Island shipment; (3) shredding and composting equipment, as well as an area of the site used to manage yard waste, brush and other organic materials delivered by users to the facility; and (4) a combined administrative and equipment maintenance facility. Equipment at the facility includes a towable wood chipper (RAYCO Horizontal Grinder), compost screen, skid steer, and pay loader.

Figure 3 - FIWMD Compost Station Location



The facility entrance is approximately 0.2 mile from the Fishers Island Ferry dock, which allows for minimal use of Island roadways by trucks removing waste and recyclables destined for the ferry dock, and by returning trucks bringing empty containers. To the south of the facility is the Elizabeth Field Airport, which is Town-owned and used primarily by private aircraft visiting the Island. As indicated in Figure 3, the current facility configuration with the access road at the end of Whistler Avenue, and existing administration building and general limit of operating area for the facility. Also visible in the upper portion of the image are industrial buildings used by contractors on the Island. Just off the image to the north is the Fishers Island Ferry dock, which is used for all vehicle travel to/from the Island.

The main access road is gated and closed when wastes and recyclables are not being received at the facility. The District maintains a sign at the entrance, noting the acceptable wastes and hours of operation.

There is no scale at the site. Users advance through the site as follows:

- Users may leave-and-take reusable items at the elevated area of the site;
- Users proceed to the upper level and then deposit wood waste, bulky waste and scrap metal into containers positioned at the lower level;
- Users delivering brush and yard waste proceed along the access road to the brush/yard waste receiving area where the material is unloaded;
- Users of the station then return to the gate and exit the facility;
- Trucks coming to the site to remove full containers and deliver empty containers proceed to the lower working level of the facility where empty containers will be unloaded and full containers picked up for removal; and
- Trucks and cars removing compost product proceed to the finished compost storage pad where the material is loaded and then proceed to the exit.

The compost station is well used by residents and other customers of the District. Table 14 provides a summary of the number of customer visits by month to the compost station for each of the two most recent years, by month.

**Table 14 - Customer Visits to Compost Station by Month**

<b>Month</b>	<b>2016</b>	<b>2017</b>
January	76	186
February	142	245
March	209	290
April	249	473
May	224	560
June	503	683
July	646	867
August	593	787
September	524	645
October	394	599
November	320	397
December	257	325
<b>Total:</b>	<b>4,137</b>	<b>6,057</b>

As outlined below, the District receives wastes at its compost station from 19 commercial entities on the island. Waste types received include brush, C&D debris, appliances and/or e-Wastes. It is noted that there are commercial entities on the Island that contract with private carters for non-MSW waste (C&D waste in particular) disposal directly, thus not utilizing the FIWMD compost station. For example, there are contractors that use roll-off containers at their facility or a construction/demolition site, which are then served by contractors that remove and transport the full containers off-Island. The District uses such roll-off containers at the Compost Station to receive wood waste and oversized bulky MSW waste and there would be no transportation or other advantage from attempting to require contractors to empty their full roll-off container into a different roll-off container for the District to then be responsible for transport and disposal off-island.

	BUSINESS/ENTITY NAME (TYPE OF USE)	WASTE TYPES DELIVERED TO COMPOST STATION			
		BRUSH	C&D	APPLIANCES	E-WASTE
1	BD (GENERAL CONTRACTOR)		X	X	X
2	DOUCETTE (GENERAL CONTRACTOR)		X	X	X
3	EVERGREEN (LANDSCAPE)	X			
4	FAULKNER (GENERAL CONTRACTOR)		X		
5	FI CLUB (CLUB)		X	X	
6	FI MARKET (GROCERY STORE)			X	X
7	FI SCHOOL (PUBLIC SCHOOL)				X
8	HARRIS (GENERAL CONTRACTOR)		X		
9	HAY HARBOR CLUB (CLUB)	X	X	X	
10	HUBERT PAINTING	X		X	X
11	ISLAND GARDENERS (LANDSCAPE)	X			
12	LOVEJOY (FURNITURE REFURBISH)		X (FURNITURE)		
13	LUSKER/SPOFFORD (GENERAL CONTRACTOR)		X		
14	PATTERSON (GENERAL CONTRACTING)		X	X	
15	PAUL'S HOME IMPROVEMENT (GENERAL CONTRACTOR)		X	X	X
16	PIRATES COVE (MARINA)		X		
17	RACE ROCK (LANDSCAPE)	X			
18	TOLDO CONTRACTING (GENERAL CONTRACTOR)		X		
19	Z & S CONTRACTING (GENERAL CONTRACTOR)			X	X

Note: MSW generated by the above land uses are delivered to the FIWMD Transfer Station.

None of the above commercial or institutional entities generates unusual or special wastestreams as may be present in other areas and are known to produce waste and recyclable materials typical of areas with a dominant residential land use. As can be seen from the table, the commercial business and development on the Island almost exclusively serve the residential community, as either home construction or improvement contractors, stores, or golf clubs with restaurants.

### 3.2 Agricultural Operations

The District processes brush and yard waste, and then composts the combined stream through use of the windrow method. The resulting product is screened on-site and then made available, as processed mulch and compost, at a per-yard fee. There are no other District programs directed to support agriculture on the Island.



### 3.3 Programs and Initiatives

#### *3.3.1 Waste Reduction, Reuse and Recycling Programs*

##### **A. Waste Reduction & Reuse**

The District provides a leave-and-take area at the compost station, which residents use on a regular basis.

##### **B. Recycling**

As discussed in Section 1.6.4 of this Plan, the District accepts brush and yard waste at the compost station and uses its own equipment and staff to process the material, which is then composted with a windrow approach. The District also transports source-separated glass containers that are received at the transfer station to the compost station for processing and re-use.

The District accepts source-separated recyclables including old corrugated cardboard, other mixed fibers, and glass, metal and plastic food waste containers. Users of the transfer station source separate and deliver approximately 154 tons/year of these materials. These recyclables are then hauled off-island by truck (and ferry) to a recycling processing facility in Connecticut, where they are separated and marketed.

Users of the compost station also deposit an additional 55 tons of scrap metal (which includes appliances), which is then delivered to an off-Island scrap metal processor. There are no on-Island recyclable processing facilities or markets for recyclables, other than the compost/mulch product the District now produces.

##### **C. Public Education**

The District maintains an active web site (<https://fishersislandwastemanagement.com/>) that provides information regarding:

- Recyclables and other wastes received at each facility;
- Instruction on how to minimize contamination in the recyclables stream;
- Direction on following instructions of the attendants;
- Information on fines and penalties for failure to follow waste and recycling instructions at the transfer station;
- Board of Commissioner meetings and agendas; and
- Improvement plans and program changes

Additionally, the District takes advantage of other Island-based publications and websites (<http://fishersisland.net>) to promote its programs and activities from time-to-time.

Finally, the District takes advantage of social media platforms such as Facebook<sup>16</sup> and Instagram. Postings on these platforms include reminders of upcoming events (such as HHW collection events), general information about the District's activities, and videos to illustrate specific operations and features of the District's program.

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<sup>16</sup> Facebook address is: <https://www.facebook.com/Fishers-Island-Waste-Management-District-483819195318838/>

### **3.3.2 Enforcement**

The District staffs both facilities with attendants that enforce its policies. As noted on the District's webpage (<https://fishersislandwastemanagement.com/compost-station/>):

*"Do not dispose of anything until the station attendant has reviewed items. If attendant is busy, please get their attention and wait until they can assist you. Any home owner, island contractors and off island contractors: must make arrangements in advance with attendant at the compost station if they plan to bring large and/or heavy loads to the station.<sup>17</sup>"*

To bolster the effectiveness of the attendant's supervision of on-going use of the transfer station, the District has adopted the following penalty structure for the transfer station: First offense: \$50; Second offense: \$100; and Third offense: Denied usage of the facility.

### **3.3.3 Volume-Based Pricing Incentives or Other Financial Incentives**

The District does not have a volume-based or similar incentive-pricing program at this time. However, there is a per-item fee system for select oversized MSW items.

### **3.3.4 Recycling Market Agreements**

The District does not have agreements with the end-user markets that receive recyclables handled at the District's facilities. Those market arrangements are with the recyclables processing entities with which the District has contracts for processing and marketing services. See Appendix 2 for such contracts and services.

### **3.3.5 Local Hauler Licensing**

There are no local hauler licensing requirements on Fishers Island. Residents and businesses either deliver their own wastes and recyclables to the District's facilities, or elect to engage one of two-or-three local contractors to pick up and dispose of their wastes.

### **3.3.6 Recycling Data Collection**

The District does not own a scale. It therefore relies upon scale weigh data from outbound destination facilities for information about amounts recycled.

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<sup>17</sup> <https://fishersislandwastemanagement.com>

### 3.4 Assessment

The following is an assessment of the existing solid waste management program set forth and operated by the District:

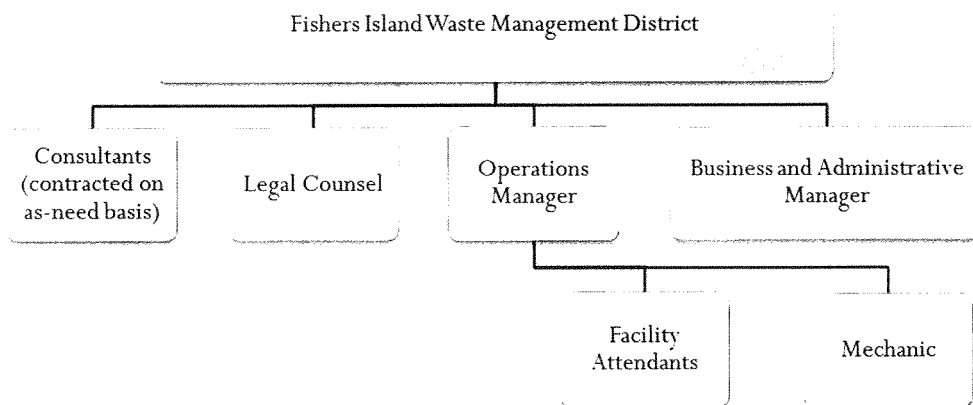
1. The District accepts a broad range of materials and provides a means for the generators on the Island to recycle and manage waste streams in an effective manner. Additionally, little to none of the waste streams managed by the District are landfilled. All unrecovered MSW is processed at a resources recovery facility.
2. The District has been inventive in adapting the historical configuration of the former coastal gun battery facility to receive users bringing waste and recyclables to the compost station, and to implement a composting program at that site. This has been accomplished with minimal expense in altering the former concrete structures at the site, although repairs and improvements have been identified for implementation (see Section 5.2.2 of this Plan).
3. The District's current public education program is somewhat passive at this time, indicating the current overall recycling and diversion success of the program may in part be attributed to its close monitoring of activities at the facilities and the overall environmental awareness of its residents and visitors. Nonetheless, the commitment of resources to develop and implement an extensive program to advocate for waste reduction and recycling may improve participation and diversion rates.
4. The District has thus far operated without developing licensing and permit procedures for collectors and other users. A license/permit to use the District's facilities could require users to participate in its programs. Additionally, such procedures may also provide a means to penalize or deny use to parties that do not comply with the District's policies.

## Chapter 4. Existing Administrative, Legislative and Financial Structures

### 4.1 Administrative and Legislative Structure

The Town of Southold created the District in 1952 to oversee the collection and disposal of garbage and refuse for all Fishers Island residents. The operation, management and control of the District is through a five-member Board of Commissioners elected by the Fishers Island residents. The District maintains several positions, including an Operations Manager, Business and Administrative Manager, mechanic and facility attendants. The District's Operations Manager is responsible for overseeing the daily operations at both facilities. The District's Business Manager is responsible for business office operations, including overseeing payment of invoices and submitting reports to the Board. Both managers are authorized to purchase goods and services and are responsible for ensuring compliance with all District purchasing guidelines. Legal and other consulting services are contracted out and not employees of the District. The organizational structure and a detailed description of the responsibilities for the Board and staff positions are included below.

**Figure 4 - Fishers Island Waste Management District - Organizational Structure**



**Table 15 - FIWMD - Board of Commissioners and Staff Responsibilities**

<b>FIWMD - BOARD OF COMMISSIONERS</b>	
<ul style="list-style-type: none"> <li>(1) Administer the Local Solid Waste Management Plan.</li> <li>(2) Approval/Execution of contracts and operating agreements with carters and facilities for off-Island waste transport and disposal.</li> <li>(3) Oversight of budgets and staffing.</li> <li>(4) Planning, management and implementation of any necessary or required modifications to District policies, practices or programs, including facility upgrades.</li> <li>(5) Undertake monthly public meetings.</li> <li>(6) Consult/Engage legal counsel and consultants on an as-need basis for projects/tasks.</li> </ul>	
<b>OPERATIONS MANAGER</b>	
<ul style="list-style-type: none"> <li>(1) Oversees the daily operations at the transfer station and compost station.</li> <li>(2) Oversight of the day-to-day operations of the two waste facilities.</li> <li>(3) Monitor for compliance with regulatory programs and permits, and implement modifications, as necessary.</li> <li>(4) Implement education programs for recycling and waste reduction.</li> </ul>	
<b>BUSINESS &amp; ADMINISTRATIVE MANAGER</b>	<b>FACILITY OPERATORS AND MECHANIC</b>
<ul style="list-style-type: none"> <li>(1) General administration tasks, including daily paperwork, correspondence, filing and recordkeeping.</li> <li>(2) Preparation and filing of applications, permits and reports.</li> <li>(3) Plan and implement semi-annual Household Hazardous Waste Collection days.</li> </ul>	<ul style="list-style-type: none"> <li>(1) Receiving and inspection of wastes.</li> <li>(2) Preparation of logs.</li> <li>(3) Coordinate waste pick-up with carters.</li> <li>(4) Composting activities.</li> <li>(5) Repairs and maintenance of equipment.</li> </ul>

## 4.2 Financial Structure

### *4.2.1 Revenues*

The District is a component unit of the Town of Southold, which is financially accountable for the District. The operations (including staff salaries) of the District are funded through the collection of a Refuse Tax by Fishers Island residents, as well as the collection of user fees for certain wastes. User fees include income from the compost station, including brush, stumps, construction debris, appliances, mattresses, carpets, eWaste, tires, and furniture (see Table 17), as well as the sale of compost and mulch.

### *4.2.2 Expenditures*

The expenditures of the District include waste hauling and disposal, composting, facility operations and maintenance costs, payroll, legal and professional consulting fees, insurances, and other administrative costs.

As noted in Chapter 1 of this Plan, the District contracts with facilities and carters for all waste hauling and disposal from the Island, including MSW, Mixed Source-Separated Container Recyclables, Newsprint & Paper, Corrugated Containers, Used Wood & Lumber, Metals, Oversized & Bulky Wastes, and C&D Debris. On a semi-annual basis, the District coordinates the removal and disposal of HHW. In 2017 and 2018, the

waste hauling and disposal costs were approximately \$137,000. The contracts and costs are included in Appendices 2 and 3, respectively, and are summarized below.

- MSW Disposal Services: The District has entered into a long-term agreement with the Southeastern Connecticut Regional Resources Recovery Authority (SCRRA) for MSW disposal services. SCRRA is a consortium of 12 southeastern Connecticut municipalities with the goal of fostering best waste management practices for its member towns. MSW disposal services are provided at a waste-to-energy facility located in Preston, Connecticut. The total cost of MSW disposal services to the District are quite high, both from the direct tipping fees at SCRRA's Waste-to-Energy facility (WTE) (\$58.00/ton) and from the cost paid to the Fishers Island Ferry District for transporting waste off-Island to the mainland (\$513.00/trip). Finally, a fee of \$380.00 is paid to a hauler (Sterling Superior Services, LLC) to retrieve full MSW containers from the transfer station and deliver refuse by Ferry to the Preston WTE. Consequently, the cost of MSW disposal (excluding on-Island transfer station operation, and other expenses) is approximately \$155.00/ton.
- Mixed Source-Separated Container Recyclables and Newspaper & Paper: The District maintains a contract with Willimantic Waste Paper Co. Inc. (WWP) for the separation, processing and marketing services for source-separated metal and plastic food and beverage containers, as well as newspaper and print (N&P). At WWP's facility, N&P is sorted, baled and shipped to markets. At this time, the District is currently paying \$25.00/ton for recycling of old newsprint and mixed paper. An extension to the contract is currently being executed.
- Corrugated Cardboard: The District maintains a contract with WWP for its corrugated cardboard.
- Used Wood & Lumber: Wood wastes are accepted from residents and businesses at the compost station and are placed into an open-top roll-off container. Sterling Superior Services, LLC, the contractor who provides transportation services to the District, operates a facility where the District's wood wastes are segregated by type and are chipped for markets. At the facility, clean wood wastes are segregated and chipped for local market/users.
- Metals: Two types of metal wastes are accepted at the compost station: a mixed metal stream (primarily large items) and appliances. Mixed metals are delivered directly to scrap dealers in Connecticut. District staff are trained for the removal of refrigerants/CFC's and capacitors before being delivered to scrap markets. The District periodically bids the removal of certain materials from the transfer station and compost station, including metals. The current contract hauler for this material (Sterling Superior Services LLC) is responsible to locate and place the metals with a suitable scrap metal operator. CFC's are sent off-Island to an HVAC/Plumbing contractor that also provided the equipment to the District that is used for this purpose.
- Oversized & Bulky Wastes: The District has a leave-and-take area at the compost station for reusable items. For oversized, non-recyclable items, the District maintains a hauling contract with Sterling Superior Services, LLC, which transport the items to a processing facility operated by a related entity, Superior Recycling, LLC, which is located in Bozrah, Connecticut.
- Construction & Demolition Debris: The District accepts deliveries of C&D wastes generated on the Island. The District is accepting C&D wastes at the compost station, from contractors operating on the Island, and imposes a fee and associated policies to perform this service. The compost station houses roll-off containers to accommodate this material. Sterling Superior Services, LLC is under contract to haul and dispose of C&D debris to various facilities in the State of Connecticut.

The average per ton costs, based on ferry, hauling, and destination arrangements are as follows<sup>18</sup>:

Waste	Haul	Tip	Ferry	Total
MSW	\$38.22	\$58.00	\$58.79	\$155.02
B/C <sup>19</sup>	\$127.66	\$25.00	\$206.18	\$358.84
Paper	\$82.60	\$25.00	\$148.29	\$255.89
Cardboard	\$109.21	\$ -	\$144.84	\$254.05
Bulky	\$ 35.27	\$81.33	\$63.29	\$179.89
Metal	\$31.15	\$ -	\$55.89	\$87.05
Wood	\$ 40.28	\$81.33	\$72.27	\$193.87

When all fees for operating the District, including consulting expenses, insurance and legal fees, the total budget for 2018 was \$908,975, of which \$53,400 is obtained from user fees and the balance through a Refuse Tax. Overall, based on 2018, the cost per ton of waste and recyclables is approximately \$1,140.00 per ton (based upon an estimated 750 tons annually). This high cost per ton of waste for overhead expenses is due to the relatively low amount of waste produced on the Island, coupled with its geographical isolation and the disposal costs incident thereto.

2018 Budget: \$908,975

2018 User Fees: \$53,400

2018 Net Cost – Refuse Tax: \$855,575

Estimated Tons: 750

**Net Cost/Ton: \$1,140.76**

### 4.3 Regulations, Ordinances and Local Laws

#### *4.3.1 Town of Southold Local Laws, Including Zoning Laws*

Chapter 233 of the Town Code for the Town of Southold regulates solid waste activity; however, many of the provisions relate specifically to the use of the Town of Southold transfer station on the mainland, and not facilities on Fishers Island (which are managed by the District). Included is a requirement for transfer station users to obtain a permit and the hauler licensing provision mandates that haulers obtain a town carter’s license to collect waste in Southold. Importantly, the Town’s hauler licensing requirement specifically excludes those operating within the Fishers Island Waste Management District.<sup>20</sup> The Town of Southold also created the Southold Town Solid Waste Management District in 1993, which is responsible

<sup>18</sup> At the time of preparation of this Plan, National and international markets for recyclable materials have been disrupted through global economic factors and the future cost of managing recyclable materials diverted from the wastestream may be much higher than has historically been the case.

<sup>19</sup> Plastic, Metal and Glass Food Containers

<sup>20</sup> Chapter 233. Section 233-3.1. B. (1)

for ensuring the proper management of solid waste (i.e., residential and commercial waste and recyclables) generated within the Town of Southold. The Southold Town Solid Waste Management District manages a transfer station and compost station.

The compost station property is located in the Town of Southold's "R-120" zoning district, which is characterized as a low-density residential zoning district. The minimum lot size is three (3) acres. The District's property is more than 9 acres in size. In addition to the residential and agricultural uses permitted under the applicable zoning ordinance, "[b]uildings, structures and uses owned or operated by the Town of Southold, school districts, park districts and fire districts" (Southold Town Code § 280-13(A)(3)) are listed as permitted uses. The Southold Town Assessors Office identifies the property as a Town / municipal facility, which is consistent with the zoning uses permitted in this zoning district.

The transfer station property is 1.44 acres in size and is part of a larger parcel zoned R-400, which is also characterized as a low-density residential zoning district. The property is leased from the Town of Southold for the sole purpose of operating a solid waste transfer station.

#### **4.3.1 Source Separation Program**

The District has an active recyclables recovery program for old corrugated cardboard, mixed paper, metal, glass and plastic food containers, and scrap metals. There are also strict policies in place for the separation of wastes at the transfer station. The District also has strict inspection instructions, which prohibit disposal before inspection by a facility attendant. For any homeowner, island contractor or off-island contractor, they are required to schedule deliveries in advance with District staff if they plan to bring large and/or heavy loads to the station. To bolster the effectiveness of the attendant's supervision of on-going use of the transfer station, the District has adopted the following penalty structure for the transfer station: First offense: \$50; Second offense: \$100; and Third offense: denied usage of the facility.

#### **4.3.2 Waste Importation and/or Disposal Prohibitions, Flow Control or Local Hauler Licensing Laws**

There are no local hauler licensing requirements on Fishers Island. Residents and businesses either deliver their own wastes and recyclables to the District's facilities, or elect to engage one of two-or-three local contractors to pick up and dispose of their wastes.

The general concept of flow control relates to establishing local laws requiring that wastes or recyclables be delivered to specified facilities. Given the nature of the Island, there is no ready means to deliver waste or recyclables off-Island except through the use of the Fishers Island Ferry and the cost is high, due in large part to the additional travel time and cost of the ferry travel. In addition, there are no alternative transfer stations or similar solid waste management facilities on the Island. Finally, contractors on large construction and demolition projects manage debris on-site and arrange for the removal of debris off-Island.

### **4.4 Required Changes to Local Laws, Ordinances, and/or Regulations for Plan Implementation**

Recommendations contained in this Plan call for certain changes to the District's adopted policies, including:

1. Development of a formal permit/license program for haulers that use the facilities;
2. Adoption of a pay-by-bag program for MSW disposal by residents and small-quantity generators; and
3. Adoption of requirements for generators to source separate compostable food and other organic materials.



The Recommendations set forth in this plan may be implemented by the FIWMD as "rules of operation" of its facility. However, the implementation of policies and recommendations such as those set forth above may require the adoption of a local law by the Southold Town Board. Such a local law would either amend the Town's existing solid waste legislation set forth in Chapter 233 of the Southold Town Code, to include operations at the Fishers Island Solid Waste Management District, or would be drafted and adopted by the Town Board as "stand alone" legislation addressing matters unique to FIWMD. While a legal analysis of specific form of these actions is outside the scope of this review, the District would obtain legal advice as it approaches these matters in the course of implementing the Plan.

#### 4.5 Existing Solid Waste Management Policies

##### *4.5.1 Local Product Stewardship, Green Procurement and Sustainability Initiatives*

According to the Product Stewardship Institute: "Product stewardship is the act of minimizing the health, safety, environmental, and social impacts of a product and its packaging throughout all lifecycle stages, while also maximizing economic benefits. The manufacturer, or producer, of the product has the greatest ability to minimize adverse impacts, but other stakeholders, such as suppliers, retailers, and consumers, also play a role. Stewardship can be either voluntary or required by law.<sup>21</sup>" New York State has adopted product stewardship programs for the following waste streams:<sup>22</sup>

- Electronic Waste (eWaste)
- Rechargeable Batteries
- Mercury Thermostats

Elements of product stewardship have been adopted for other waste streams as well. While it is not practical for the District to implement product stewardship at the scale of its operations, cooperation with State and National programs can contribute to the success of the District's mission to reduce the volume and impact of its wastes upon the environment. It is also understood that the District currently follows a long-standing practice of using recycled products, and products with high recyclable content in its day-to-day operations.

##### *4.5.2 Local Environmental Justice Requirements*

The NYSDEC Commissioner Policy 29 on Environmental Justice and Permitting (CP-29) identifies Potential EJ Areas based upon the 2000 Census block groups of 250 to 500 households each that, in the 2000 Census, had populations that met or exceeded at least one of the following statistical thresholds:

- At least 51.1% of the population in an urban area reported themselves to be members of minority groups; or
- At least 33.8% of the population in a rural area reported themselves to be members of minority groups; or
- At least 23.59% of the population in an urban or rural area had household incomes below the federal poverty level.

The NYSDEC does not identify Fishers Island as being located within a potential EJ area. Further, the following information for Fishers Island, as offered by the U.S. Census Bureau, underscores the absence of environmental justice matters:

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<sup>21</sup> See: <http://www.productstewardship.us/?55>

<sup>22</sup> See: <https://www.dec.ny.gov/chemical/66746.html>

**Table 16 - U.S. Census Environmental Justice Related Information**

<u>Median Household Income:</u>	<u>\$152,652</u>
<u>Individuals below poverty level:</u>	<u>0.7%</u>
<u>Race and Hispanic Origin</u>	
White alone	297
Black or African American alone	0
American Indian and Alaska Native alone	0
Asian alone	0
Native Hawaiian and Other Pacific Islander alone	0
Some Other Race alone	0
Two or More Races	6
Hispanic or Latino (of any race)	0
White alone, Not Hispanic or Latino	297

**4.6 Assessment**

The FIWMD has an active recyclables recovery program with strict policies in place for the separation of wastes at the transfer station. The success of this program is, in part, due to strict inspection instructions by facility staff and penalties for not adhering to the separation requirements. The FIWMD also maintains an active website that provides detailed information and guidance on recycling and acceptable waste practices. Further, the Fishers Island community actively participates in good waste management practices. Through the current programs and policies, and an active community, the District has been able to achieve a recycling rate of 46% a relatively low MSW disposal volume of 1.09 lbs./person/day.

With the adoption of a pay-by-bag program for MSW disposal by residents and small-quantity generators, the disposal volumes would likely decrease. As discussed in Chapter 5, the source-separation of compostable food and other organic materials would further decrease disposal volumes; however, facility improvements would be required to implement this program.

As noted earlier, other than a per-item fee system for select oversized MSW items, the District does not have weight-based programs at this time. With large commercial generators on the Island, the District could implement a fee system, although such program would require the installation of a scale. At this time, the facilities are not equipped with scales although it is a desired improvement of the District.

There are no local hauler licensing requirements on Fishers Island, as the on-Island haulers are local contractors or similar, whom have agreements with certain residential properties. A license/permit to use the District’s facilities could require users to participate in its organics and glass source separation program and other practices. Additionally, such procedures may also provide a means to penalize or deny use to parties that do not comply with the District’s policies. This licensing and procedural change is achievable with little capital investment by the District.

## Chapter 5. Alternatives Evaluation and Selection

The District performed an assessment of the solid waste and recycling management alternatives available to the Island, together with an evaluation and identification of preferred options and recommendations for consideration.

When considering options for recycling and management of solid waste handled by the District, it must be emphasized that Fishers Island, while a part of the Town of Southold in New York, has direct ferry transportation access only to and from the State of Connecticut. Access to the mainland of Southold requires two separate ferry segments - first, from Fishers Island to New London, Connecticut and then, from New London over to Orient Point in Southold. By road, the distance from New London to Southold is approximately 225 miles or over four hours in travel time. For all practical purposes, residents and businesses on Fishers Island are dependent upon the District to manage solid waste and recyclables, including its partnerships with public and private Connecticut entities.

Another complicating factor for the District is the modest year-round population relative to its customer base. The 2010 Census reported just 236 persons, contributing to low volumes of material for much of the year. Even with the reported many-fold increase in population during the peak, summer months, the average annual population of the Island remains small when compared to most municipalities. These volumes prohibit the development of capital intensive, modern facilities with higher operating costs to process and manage most waste streams.

Even if the District had a land connection with the main portion of the Town of Southold, the Town as a whole would nonetheless be challenged to implement stand-alone modern solutions, since the combined population would still be less than 22,000 people according to the 2010 Census Bureau report. Again, this amount would nonetheless make most facility options impractical.<sup>23</sup> Fishers Island's volumes of waste streams and recyclables are consequently too small to support stand-alone cost-effective management of waste and recyclables in modern processing facilities. Only activities that can be performed effectively at very small-scale, such as composting, are deemed viable on-Island options for the District. Below is an assessment of the alternatives considered, as well as the viability, advantages, and disadvantages of each.

### 5.1 Alternatives Assessment

#### *5.1.1 Waste Reduction*

According to the USEPA, "the most effective way to reduce waste is to not create it in the first place."<sup>24</sup> Waste reduction involves elimination of waste at the point of generation through changing one's practices. For the Island, waste reduction can help minimize truck-trips off-Island for waste and recyclables processing services, thus reducing costs, among other benefits. On a larger scale, waste reduction avoids pollution and consumption of raw materials and energy.

Examples of strategies available to residents and businesses on the Island to reduce waste include:

- Packaging - Seek to purchase products that have less packaging. This could be accomplished through bulk purchasing and careful product selection.
- Avoid Disposable Items - Wherever possible, avoid the purchase and use of disposable items in favor of reusable items. Simple strategies can include the avoidance of single-use plastic bottles, and disposable plates, cups, and eating utensils, in favor of reusable products.

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<sup>23</sup> For example, a 500 tons/day facility for MSW such as an RRF, could serve approximately 250,000 people based upon typical disposal rates.

<sup>24</sup> <https://www.epa.gov/recycle/reducing-and-reusing-basics>

- Electronic vs. Paper - Promote on-line newspapers over paper, the use e-billing, and double-sided printing.
- Catalogues and Other Junk Mail - Contact companies to cease unsolicited mailings to your address.
- Yard Waste – Rather than bag in plastic, consider leaving grass clippings on the lawn.

The above waste reduction practices can be summarized in a flyer sent to all dwelling units and business owners, with appropriate guidance. The reduction of waste by the seasonal population can also be encouraged with posters and/or flyers on the Fishers Island Ferry and community center, explaining the importance of waste reduction, recycling and reuse on the Island.

Waste reduction must be undertaken by the individual generator but can be encouraged through educational programs, as discussed in more detail below. The waste management challenges that the District faces (in particular the need to transport off-Island all waste and recyclables that cannot be locally managed or beneficially used) support the need to examine strategies to encourage waste reduction by its residents and commercial entities.

### 5.1.2 *Reuse*

Like waste reduction, a reuse practice also eliminates waste at the point of generation and keeps materials out of the waste stream. Some waste reduction strategies are linked to waste reduction approaches, such as discontinuing the use of single-use plastic bottles and disposable eating utensils. In addition, like waste reduction, reuse can also minimize pollution and consumption of raw materials and energy on a broad scale.

Examples of reuse strategies to eliminate waste include:

- Donate items you no longer want rather than discarding them.
- Consider used items and materials rather than new, including building materials.
- Selection of durable products over less durable.
- Consider borrowing over purchase, such as use of a library.

There are two consignment/thrift shops on the Island, one each at two different churches. Each is open half-days twice per week, from Memorial Day until Labor Day. There are no other similar organizations, or benevolent organizations (such as Goodwill or Salvation Army), that have drop-off facilities or provide truck pick-ups on the Island.

The District supports reuse of discarded items by providing a leave-and-take area at the compost station. Users of the facility frequently place unwanted furniture and other items in that area, and, in turn, subsequent visitors remove those items for further use. However, the leave-and-take area is outdoors, and thus, many items eventually become unusable.

The District had recently adopted a plan of improvement, which included the installation of a formal “swap-shop” modular building, which could provide a designated, out-of-the-weather location for usable items that are no longer wanted. Given this practice is already active at the District’s site, and it has the interest of its customers, the improved approach would be expected to advance reuse on the Island and remains an important goal of the District.

### 5.1.3 *Recyclables Recovery for Paper, Metal, Glass, Plastic, and Textiles*

The District has an active recyclables recovery program for old corrugated cardboard, mixed paper, metal, glass, plastic food containers, and scrap metals. The program includes:

1. Dedicated containers at the transfer station - a compactor container for cardboard, and standard recycling containers for mixed fibers (paper, books, etc.) and source-separated metal, glass and plastic food containers.
2. A dedicated container for scrap metal at the compost station.

The District's program results in approximately 209 tons/year of recyclables being recovered and recycled. There are no recyclable-processing facilities or markets that could consume recyclable materials on the Island. As such, all recyclables must be delivered to off-Island processors in Connecticut.

The facility that currently receives as well as processes and markets the District's mixed recyclables is located in Willimantic, Connecticut. The facility includes a modern, single-stream sort system. While the District effectively manages the recovery and processing of these recyclables, it is at significant cost (relative to most local planning units) due to the need to transport the material off-Island by ferry and then truck deliver the material to a recycling facility. As with all waste and recyclables sent off-Island to processing facilities in Connecticut, these activities necessarily involve the addition of truck traffic, exhaust emissions, and at times may displace other traffic desiring to use the ferry system. Given the location of the Island, and lack of a local economy to consume recovered recyclables, many of these impacts are unavoidable with respect to off-Island shipments.

Recent costs have approached approximately \$170.00/ton to recycle old corrugated cardboard, and approximately \$150.00/ton for other recyclables. These amounts may understate on-going costs as the value of recovered materials is cyclical and the cost of recycling can be very high from time-to-time.

The District developed but withdrew from the current implementation of a plan to divert the compostable portion of the source-separated recyclables it receives, which would then be managed as follows:

- Old corrugated cardboard and compostable paper and other fiber materials would be source-separated and received in bins at the compost station. Examples of compostable fiber materials that will then be diverted from the disposal stream include the following:
  - Pizza boxes
  - Paper egg cartons
  - Paper bags
  - Paper towels and rolls
  - Paper cushion packaging
  - Shredded documents
  - Other similar uncontaminated organic wastes.
- These recovered organics would then be processed with a grinder and mixed with other compostable materials.
- Composting would be accomplished with a proprietary system featuring a cover and automatically controlled aeration of the composting mass.

Should this plan ever be implemented, the District would transform these materials into compost product for beneficial use on the Island. At a minimum, this program could capture up to 43 tons/year of cardboard, and much of the approximately 30 tons/year of mixed paper now handled.

Alternatively, the District could accept and manage a new stream of source-separated organics now part of the MSW disposal stream, and ship this material to an off-Island facility that processes this material. The stream would be comprised of food waste, green wastes, and some compostable papers now disposed of as MSW. There are digester and composting operations in the New England region that would likely be interested in accepting this new stream.

The District does not offer textile-recycling services to its residents. Assuming approximately 5%<sup>25</sup> of the MSW handled by the District is textiles; this would result in an estimated 13 tons/year of textiles currently being disposed of with MSW shipments off-Island for processing. This could be captured by accepting source-separated textiles in a container at the compost station or a consolidated facility. The District is in preliminary discussions with a party interested in supplying such containers for source-separated textiles, which the District would oversee filling and coordinate transport off-island to the New London Ferry Dock. The party would then collect and arrange to recycle the material. It is to be noted that the actual volume of textiles is too small to attempt to market as a baled product stream directly to textile markets. However, should the District's current effort prove unsuccessful, it could potentially seek to work with an organization such as Goodwill Industries, which is known to accept donated clothing and has locations in Southeastern Connecticut.

#### **5.1.4 Organics Recovery of Food Scraps & Yard Trimmings**

The District currently accepts yard waste and brush at the compost station. This material is processed in an industrial grinder and then composted using a traditional windrow system. In order to meet the NYSDEC 2030 goal, the District will need to significantly reduce the amount of MSW sent to disposal and food/organic waste in the MSW stream is considered the best candidate to increase diversion from the MSW stream and provide for separate receipt and management, either off-Island or on-Island.

The District had planned to expand the composting program to accept this material, which would have included the following:

- Receipt of source-separated food waste and other compostable materials;
- Processing this new stream in a grinder that will break up the material and size it for mixing with other compostable material; and
- Combine the new stream with currently composted materials, all of which would then be placed in a modern, covered and controlled aeration compost system.

As an alternative, a commercial food waste digester facility under development in Southington, Connecticut (and others) could be accessed by the District. This would involve receipt of source-separated materials and maintenance of a container for temporary storage and off-Island transportation of collected food waste. However, those facilities are distant from the District, indicating that, when combined with the tipping fees at those new facilities, the overall cost will be higher than current MSW disposal costs. Further, use of an off-Island food waste composting facility would likely require frequent (i.e., small payloads) removal of the source-separated waste to minimize on-site odor generation during off-peak seasons. This would further drive up costs due to the fixed expenses of the ferry service and the contract hauling company. While the

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<sup>25</sup> NYSDEC provides guidance to local planning units indicating that textiles are 5% of the MSW stream. Additionally, confirming this level, in a 2015 study of MSW composition, the Connecticut Department of Energy and Environmental Protection found that approximately 4.1% was textiles in 2010 and 5.7% was textiles in 2015.

current cost of disposing of MSW is approximately \$155.00/ton (tip fee, trucking and ferry fees), this alternative would be expected to cost upwards of \$245.00/ton or more to deliver source-separated organics to the Southington facility.

#### **5.1.5 Supporting Local & Regional Markets for Recyclables**

As discussed in Chapter 1 of this Plan, Fishers Island is primarily residential, with a small number of commercial operations such as golf courses with restaurants, grocery store, a gas station and similar operations.

There are no users of raw materials on the Island that could consume recyclable materials in the form handled by the District. Further, the amount of all recyclables (bottles, cans, mixed paper, and old corrugated cardboard) handled by the District averages only 3 tons/week, with dramatic seasonal swings. These facts combine to support the conclusion that the District is not practically able to promote a local market for any traditional recyclable item that can be diverted from the MSW stream (e.g., cardboard, paper, bottles, cans and containers, etc.). Consequently, the District must rely upon market conditions that exist in Connecticut. The District does not have influence over Connecticut's recycling programs. However, as is the case throughout North America, recyclable processors in the State rely upon national and international markets, key of which are Canada and Asia.

The FIWMD management personnel regularly attend Solid Waste Association of North America (SWANA) technical conferences and sessions where information is exchanged on the status of the industry and markets in general. This includes the annual meeting of the New York State Chapter of SWANA, which includes technical presentations on a range of recycling and solid waste practices and programs. Through this effort, the District keeps abreast of emerging technologies for the handling and processing of recyclables to meet emerging markets and optimize its program.

The District is also a member of the New York State Association for Reduction, Reuse and Recycling (NYSAR3). Personnel from the District attend the Annual Recycling Conference and the NYS Organics Summit. Both conferences allow the District to keep up with the latest State regulations and practices in the Waste Management field. NYSAR3 has also allowed the District to work with other organizations such as the Cornell Waste Management Institute and the New York State Pollution Prevention Institute. The District is also a member of the U.S. Composting Council and has had their personnel trained as Compost Technicians.

#### **5.1.6 Enforcement**

The District enforces its policies by placing an attendant at its facilities to regularly observe activities of users and provide general oversight of deliveries of wastes and recyclables. This oversight function includes educational guidance on where recyclables are to be placed and which items can and cannot be recycled. As stated in Section 3.3 of this Plan, to encourage good practices and compliance with the District's program, there are fees imposed for violations (first offense: \$50 fine; second offense: \$100 fine; and third offense: denial use of the facility).

As discussed above in Chapter 2, the District enjoys an overall recycling rate of approximately 46% of MSW materials.<sup>26</sup> This recovery rate is particularly noteworthy in light of the fact that the majority of the Island's annual average population is comprised of seasonal residents that one may normally expect to be less committed to recycling and waste reduction.

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<sup>26</sup> The total of mixed glass, metal and plastic food containers plus scrap metal plus old corrugated cardboard plus mixed paper, all divided by that amount plus MSW disposed of.

The District may benefit from development and adoption of an enforcement policy targeting the removal of additional recyclables from the MSW disposal stream. Since there is no publicly sponsored curbside collection program, all enforcement would need to be conducted at the District’s facilities, and in particular, the current transfer station, or at a consolidated facility. Such an enforcement program could include one or more of the following:

- Mandate the use of transparent bags, which will allow attendants to inspect MSW deliveries to insure that recyclables are not being discarded.
- Open and inspect all bagged contents.
- Prohibit delivery of MSW without a corresponding delivery of recyclables.
- Impose a series of warnings, fines, and denial of service for non-compliant users.

Increased enforcement at the District’s facilities will likely require additional personnel support, particularly during periods of peak arrivals by users.

**5.1.7 Incentive-Based MSW Pricing**

The District does not charge a fee for delivery of MSW or recyclables at the transfer station, rather a per-item pricing policy exists at the compost station (see Table 17).

**Table 17 - District Pricing System at Compost Station (Yard Waste, C&D, Bulky MSW/Household, e-Waste)**

Item	Fee
<b>Yard Waste</b>	
Pickup truck delivery	\$10.00 or Per Cubic Yd. \$10.00
Knotweed	\$15.00 Per pickup truck/cubic Yd.
Stumps Are Charged Depending On Size	
<b>Construction Debris</b>	\$40.00 Per Cubic Yd.
Pallets	\$5.00 Each
<b>Household Items</b>	
Carpets up to 5' x 8'	\$20.00 Each
Stuffed chair, Sofa, Similar Furniture	\$10.00 Each
Twin Mattress or Box Spring	\$30.00 Each
Double, QN, King Mattress, Box Spring	\$35.00 Each
Appliances; Washer, Dryer, Stove, Oil Tanks, Water Heaters, Dishwashers	\$10.00 Each
Freon; Freezer, Ice Maker, A/C, Dehumidifier	\$25.00 Each
<b>Misc. Items</b>	Depending on Size & Content
Tires	
Cars, Pick-up Trucks, SUVs	\$10.00 Each
Heavy Equipment, Backhoe, Dump Truck	\$50.00 Each
<b>e-Waste</b>	
Computers & Any Components That Come With A Pc, Satellite Receivers, Fax Machines, Printers, TV's	\$25 Each

The above per-item fee system is not considered incentive-based pricing in the traditional sense, which would be designed to discourage disposal and encourage recycling and waste reduction. Instead, these fees are intended to assist in paying the cost of managing each of the listed wastes.

Incentive-based pricing can be structured to encourage diversion of materials from the MSW disposal stream to augment waste reduction, reuse, and recycling. A common approach used by many localities is to charge a per-bag fee for refuse deliveries at transfer stations. This could involve use of an “official” sticker that residents affix to their bagged refuse, but more often includes use of a specific bag distinctive in color, size, and design, which is sold to residents for their use.



More than one size bag could be offered to provide residents more flexibility. In a pay-per-bag program, the resident purchases the bag at the stated price (e.g., \$2.00 per bag). With District-provided bags, program enforcement at the transfer station would consist of checking to insure residents use the proper bag, which often features a special, readily identifiable color with the District's logo or name prominently displayed.

This kind of incentive pricing provides a direct financial incentive for users to divert as much recyclable material from the MSW disposal system thereby reducing the consumption of bags. Assuming approximately 25 pounds per 33-gallon bag, a \$2.00 per bag price would cover the District's cost of hauling and disposal of MSW but not station operating and administration costs.<sup>27</sup> Another stated benefit of the approach is that those that generate less MSW and recycle more, pay less, or inversely; those that generate more waste for disposal contribute more to the operation of the system.

Another approach could involve installation of a scale certified to weigh commercial transactions at the level of weight for typical residential deliveries – in the range of 30 to 50 pounds. The District could then charge a fee; for example, \$.20/lb. for the actual weight of MSW delivered by each user. However, this approach involves not only the expense of installation of the resident-level scale, but also calls for the personnel expense of operating the scale and collecting payments from each residential customer.

A larger scale could be used for commercial deliveries, which can then be managed with remote scale monitoring from the office due to the small number of transactions.

#### **5.1.8 Education and Outreach**

The District maintains an active website that provides detailed information regarding its services, fees, and most importantly, guidance on recycling services and acceptable waste practices. The District also takes advantage of other Island-based publications and websites (<http://fishersisland.net>) to promote its programs and activities from time-to-time. The District takes advantage of social media platforms such as Facebook and Instagram. Postings on these platforms include reminders of upcoming events (such as HHW collection events), general information about the District's activities, and videos to illustrate specific operations and features of the District's program.

Other educational and outreach alternatives that could be performed include:

- Introduce recycling and effective waste management practices to the local school through special programs and classroom exercises that feature good practices. Through this approach, students not only bring those lessons home but also adopt at an early stage the benefits of waste reduction, reuse, and recycling.
- Provide educational materials to users as they visit each of the two facilities. This could be in the form of a handout that demonstrates the benefits to the Island of waste reduction, reuse and recycling.
- Special visits could be made to the few commercial generators on the Island to review current practices and explore whether there may be opportunities to divert materials from the disposal stream.
- With the approval and cooperation of the Fishers Island Ferry District, education could be provided to those travelling to and from the Island through displays, brochures and/or video.

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<sup>27</sup> The District's current trucking, ferry and disposal tip fee for MSW totals approximately \$155/ton.

#### **5.1.9 Data Collection/Evaluation**

As noted, the District does not have a scale and cannot weigh inbound materials to either of its two facilities. Consequently, it resorts to records of each outbound load of waste and recyclables, type of material, destination, and net weight as recorded at the destination. These records are used to evaluate the performance of the system and for financial checks and balances. The District has periodically kept records of each user's arrival at each facility over the course of a day and week, which are used for facility planning purposes (i.e., peak usage).

The addition of a scale in the future to weigh inbound and outbound deliveries would generate additional data that could be used for billing inbound commercial users, outbound sales of products, incentive-based pricing, and monitoring outbound loads. It is the District's desire to install a scale and implement a weight-based fee program when funding is available for the equipment and software costs. As further discussed in Section 5.3.3 (Selected Alternatives), a weight-based fee could be instituted for deliveries of MSW from commercial/business generators. The scale could also be used to weigh and charge a fee for commercial customers that do not use a "bagged waste" approach, such as the store, contractors and clubs. The scale could also prove valuable in monitoring the weight of outbound materials, instead of only relying upon destination facilities reporting to the District.

As discussed in Section 2.1.3, no record is kept of the amount of inert material (e.g., brick, concrete block and similar materials) accepted at the station. The District proposes to improve its recordkeeping of such materials. This could be done by recording when inbound loads contain this material. Larger deliveries could be associated with an estimate of the cubic yards delivered. Smaller deliveries (for example, where a resident may bring multiple items to the Station) may be more problematic to track but could nonetheless be noted as to what is in the load and how much.

#### **5.1.10 Collector Licensing**

The District does not require the few, small MSW collectors (which are contractors that perform this service as a "side" business) operating on the Island to obtain a license or permit to use the District's facilities. It is understood that residents or the few commercial facilities that do not desire to self-deliver material to the District's facilities individually engage the smaller trucks. The establishment of a hauler permit/licensing program could benefit the District, as follows:

- A permit/license requirement could include a range of provisions allowing the District to insure users have proper insurance, follow all recycling and use policies, and provide a basis for denial of access to the facilities for those that do not comply.
- A licensing requirement could also require collectors to insure their customers are following recycling policies.

#### **5.1.11 Flow Control**

The general concept of flow control relates to establishing local laws requiring that waste or recyclables be delivered to specified facilities. Given the nature of Fishers Island:

1. There is no ready means to deliver waste or recyclables off-Island except through use of the ferry and the cost is high, due in large part to the additional travel time and cost of the ferry travel;
2. There are no alternative transfer stations or similar solid waste management facilities on the Island;
3. The District does not have significant investment in a large processing system, where, if some amount of waste or recyclables now handled were to evaporate, the net economics of the District's

venture would be harmed. Just the opposite; any such reduction in waste would reduce the District's costs; and.

4. The net cost of operating the District's facilities are supported in substantial part by a special tax levy on Island property, meaning that any alternative facility, if one were proposed, would necessarily be more costly to the operator.

Contractors working large construction and demolition projects already remove container-sized loads of debris off-Island and this practice will continue, as the facilities are not designed to handle large debris volumes. For the above reasons, no discernable need is identified that would support the District's need to consider implementing flow control at this time.

#### ***5.1.12 C&D Debris Reduction, including Deconstruction, Reuse & Recovery***

The District facilities are not designed to accept and manage C&D debris from larger projects on the Island. At those sites, contractors are responsible for the proper removal and disposal of C&D debris at off-Island facilities.

Users of the District's facilities for C&D debris are typically from smaller-scale projects and in many cases, "do-it-yourself" projects. One of the primary C&D streams accepted by the District is source-separated wood, which is separated from other materials in the course of the construction/demolition activity and delivered separately to the District's compost station. As it is removed from the vehicle, the wood is placed in a dedicated container. The District contracts for removal and delivery of the wood waste to an off-Island, private C&D processing facility that recovers wood waste and other materials.

Since wood waste must be source separated before delivery to the District, generators necessarily must perform a degree of deconstruction. The District also accepts separate streams of metal waste, inert materials such as concrete and brick materials, and other mixed debris.

The nature of the Island is such that all raw materials for construction must be brought over by special trip on the ferry. Materials suppliers must either pay the additional cost of bringing a truck over by ferry, or, for smaller quantities and items, have the Fishers Island Ferry District move it from the dock in New London to the dock on Fishers Island. This measurable economic burden provides ample incentive to all parties to reuse construction materials and avoid waste generation whenever possible.

Given the District's limited role in handling the majority of C&D waste produced on the Island, and the dynamics of materials management on the Island, it is not recommended the District take further action on this waste stream at this time.

#### ***5.1.13 Private Sector Opportunities in Waste Management***

The District currently selects private contractors through competitive procurement to perform the following services:

1. Removal of full MSW containers and delivery to a privately-owned and operated waste-to-energy facility;
2. Removal of full recycling containers and delivery to a privately-owned and operated recyclables processing facility;
3. Removal of full wood, metal, bulky/oversized waste, and mattresses, for delivery to a privately-owned and operated processing facility;
4. Removal of eWaste and delivery to private facilities for recycling and processing; and
5. Periodic deployment to the District's facility to collect and remove HHW from users.

The District also uses an HVAC/Plumbing contractor, as an outlet for the recovered CFC's (the same private party that provided the equipment used for this purpose.) The District relies upon its own staff for facility management and operation, as well as the oversight of users. The operations manager has direct supervisory control over the employees, and has direct influence to insure only acceptable waste is received and materials are placed in the appropriate containers. In addition, by using its direct employees, the District is better able to receive feedback on user activities. Accordingly, no changes are recommended.

**5.1.14 Thermal Treatment Technologies for Waste Management**

Due to the small and highly variable seasonal population of the District, it is not feasible to consider implementing a thermal processing system on the Island. For over two decades, the District has arranged for its unrecovered MSW to be processed in a modern WTE facility in Preston, Connecticut. As explained in Section 4.2.2 of this Plan, this arrangement has been through a partnership with SCRRA and its member municipalities in the region. The District's Agreement with SCRRA expires on May 1, 2021; however, the District is currently executing an Amendment to the Agreement to extend services (see Appendix 2).

**5.1.15 Waste Management Options**

Table 18 provides a summary of waste disposal options that have been identified as available or potentially available to the District.

**Table 18 - Waste Management Options**

Waste/Recyclable	Management Options
MSW	- Waste-to-Energy (Current Practice) - Landfill
Recyclables (Old corrugated cardboard, mixed paper, metal, plastic and glass food containers, and similar items)	- Delivery to/Processing at a recyclables processing facility (Current Practice) - Processing and Preparation for Direct marketing of prepared products to markets - Receive compostable organics and create beneficial use products on-Island
Wood Waste	- Delivery to a processing and recovery facility (Current Practice)
Oversized/Bulky Waste	- Delivery to a processing and recovery facility (Current Practice) - Landfill
Metal	- Delivery to a scrap metal recycler (Current Practice) - Processing and Preparation for Direct marketing of prepared products to markets
Food Waste	- Composting on-Island - Accumulation and delivery to an off-Island composting facility
eWaste	Delivery to eWaste Recycler (Current Practice)
HHW	Collection by a licensed HHW contractor (Current Practice)

A description of each waste and the management options follows.

**A. MSW**

The District handles an average of approximately 260 tons/month of MSW. As noted in Section 4.2.2 of this Plan, the District currently has a contract with SCRRA that provides for disposal of MSW at a WTE facility that SCRRA had participated in developing. It is now privately owned and operated in Preston, Connecticut. Under the terms of that agreement, the tipping fee is approximately \$58.00/ton of MSW delivered, which is an amount that is being subsidized by a reserve account that SCRRA built up over a period of time during which the price paid for the

electrical energy sold under a long-term contract for the plant was unusually high. The actual cost to SCRRRA is \$84.00/ton, resulting in a subsidy of \$26.00/ton. SCRRRA anticipates that its reserve account balance will continue to support participating municipalities at the same level through 2027, when agreements with participating towns expire. As noted, the District's current agreement with SCRRRA has a term to May 1, 2021. An extension to that agreement is planned for execution.

SCRRRA has not yet developed a plan for service to its participating municipalities after the current term of those agreements (ending 2027) and has no financial projections of cost thereafter. It is also noteworthy that the Preston WTE began operation in the early 1990's, indicating it will have been in operation of over 30 years if still in service at the time of expiration of the municipal agreements.

A second WTE is located in Lisbon, Connecticut and is operated by a private company. That facility is owned by the Eastern Connecticut Resources Recovery Facility, which was created by the City of Middletown, Connecticut. There exist three other WTEs in Connecticut, one of which is in Hartford. It is unclear what the nature of the operation will be in Hartford in the future since efforts are currently underway to develop a renewal/replacement plan for the facility, which would include more advanced technologies and investment at the site.

There are no MSW landfills economically accessible by trucks that take the MSW compactor containers from Fishers Island. While MSW landfills do exist in Western New York, Pennsylvania, Ohio and other mid-western states, deliveries from private transfer and processing facilities in Connecticut to such facilities are typically accomplished by long-haul trucking (tractor-trailers) and rail transit. Many shippers bale MSW (and some also plastic-wrap it or put the bale in a large bag) to make the trip more cost-effective because with bales, they can ship the MSW on conventional flatbed trucks and van trucks one-way, with the truck then proceeding to another load and destination. If one were to ship MSW long-distance in an uncompacted transfer trailer, the truck would need to return empty to pick up another load, which makes the long distances more costly, and economically infeasible.

The District could potentially access private transfer station facilities as a means to access such landfills. The estimated tip fee for that service would be in the range of \$85.00-to-95.00/ton. This would not include the cost of baling, hauling the waste to the transfer station, or the ferry costs.

The cost of a baler setup typically starts at \$400,000-500,000. In addition, that approach requires a building of sufficient size to house the equipment and to store both uncompacted MSW and compacted bales awaiting out-shipment. The overall cost of such an installation is estimated to be in excess of \$2.5 Million, considering foundation requirements, push-walls, baler and related conveyor equipment, and sufficient floor space to store uncompacted MSW and bales. Depending upon the goal of the operation, costs can be significantly higher. Baling operations are also high electrical energy consumers and the overall costs of operation can approach \$25 to \$30/ton for high-volume operations. Assuming each long-haul trailer-truck manages approximately 22 tons/trip, the total amount of MSW shipped off-Island would require just 13 truck trips/year.

#### **B. Recyclables**

Recyclables from the District's transfer station are sent by truck and ferry and to a private recyclable materials recovery facility located in Willimantic, Connecticut. At that location, the individual components are separated, contaminants removed, and products are baled and

prepared for marketing. The delivery arrangements are subject to a procurement by the District from time-to-time.

There are other, more distant recyclables processing facilities in Connecticut that the District could access if needed. All of these facilities typically receive and process more inbound recyclables in a day than the District generates in a year. It is not considered commercially feasible for the District to build and operate its own facility. For the same reason, it is impractical for the District to install baling equipment to allow it to market corrugated cardboard or mixed paper to mills or other international buyers of such material.<sup>28</sup> The diversion of select organics from its recyclables stream to an improved on-Island composting program is deemed a viable and cost-effective option should the District be able to implement the necessary improvements to receive these wastes.

#### C. Wood Waste, Mixed Bulky Waste, & Mattresses

The District handles just under 20 tons/month on average (under 240 tons/year) of this waste stream. This material is being transported off-Island to a processing facility that recovers acceptable wood, metal components, and similar material, with unrecovered waste going to a WTE. The delivery arrangements are subject to a procurement by the District from time-to-time. There are many such off-Island facilities accessible by truck and which provide similar processing and recovery services. There are no landfills available to the District within reasonable transportation distance of the ferry dock in New London (e.g. within 50 miles).

#### D. Metal

The District handles an average of approximately 5.0 tons/month (approximately 55 tons/year) of this material, which is delivered off-Island to a scrap metal recycler. The delivery arrangements are subject to a procurement by the District from time-to-time. This is the only realistic option for this recyclable material and no other option is considered.

#### E. Food Waste

The District does not accept source-separated food waste; however, in order to meet the NYSDEC goal of reducing the amount of MSW disposed to an average of 0.6 lbs./person/day, this component of the MSW stream is recommended to be targeted.

As discussed in this Plan, the District previously put forth a plan to dramatically expand and modernize its composting program. By accepting food waste and other source-separated organic matter, processing and combining this material in its composting program the plan would have resulted in management of this material on-Island, reducing the amount of material sent off-Island for thermal processing in a WTE facility. That plan has now been set aside pending the formation and recommendations of a committee. The District could nonetheless recover as much as one-third of the MSW stream by separately receiving and managing source separated organics such as food waste, green waste and certain compostable papers now part of the MSW disposal stream. If not processed on-Island, this material would be shipped to an off-Island organics processing facility, to either a digester or composting program. Anaerobic digesters can be capital-intensive operations; however, they can recover methane from the biologic process and produce a soil amendment.

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<sup>28</sup> The District handles less than 50 tons/year of corrugated cardboard and less than 40 tons/year of mixed papers.

F. eWaste

The District handles approximately 50-60 eWaste items per year, which is presently shipped off-Island for recycling and processing. This is the only realistic option for this recyclable material and no other option is considered.

G. HHW

The District arranges for an HHW handling and disposal contractor to visit the Island periodically, where this material is received, properly manifested, containerized, and then taken off-Island for management. This is the only practically available option for this waste stream and no other option is considered.

5.2 Facility Improvements

*5.2.1 Adopted Statement of Commitment*

On September 25, 2017, the District adopted a statement of commitment to consolidate and modernize its facilities, in some form, while also setting forth numerous safety, environmental and operational goals. Furthering employee education and training, as well as the creation of a public education program were also included in this commitment. Such commitment was memorialized in an adopted Strategic Statement, which is summarized below; however, it must be noted that the consolidation plan has been withdrawn pending the formation of a committee to discuss the solid waste management goals for the Island. Appendix 4 provides a copy of the adopted statement, which was also posted on the District's website.

1. Combine the transfer station and the compost station at the current compost station location and use green technology to turn waste into usable products. The combined facility will allow for the following:
  - Grind and regrind all brush and logs to produce a usable product.
  - Store wood chips for reuse.
  - Crush glass for reuse.
  - Compost paper and cardboard for reuse.
  - Compost both yard and organics garbage for reuse.
  - Cut shipping garbage off island by 75%.
  - Reduce dependence on fossil fuels by producing and using heat from composting piles.
2. Reduce the amount of waste materials brought to the Island through education and financial incentives.
3. Reduce the amount of waste materials that leave the Island by using sophisticated composting techniques and crushing glass.
4. Increase collaboration opportunities with customers and contractors for mutual benefit.
5. Have employees who are enthusiastic about their contributions to waste management and earn a living wage. Included would be the following:

- Conferences and certifications that increase knowledge, skills and morale.
  - Training as advocates for environmental solutions.
  - Improved training in the operation, repair and maintenance of equipment.
  - Training in CPR and emergency first aid.
6. Market the Commission to attract new Commissioners and constantly improve our positive public image. Commission improvements include:
- Greater commitment from Commissioners to support and implement strategic outcomes.
  - Work as discussion based cohesive team.
  - Respect employees and avoid micromanaging.
  - Spend time at facilities to see improvements and know employee contributions first hand.
  - Advocating waste management solutions to the public.
  - Create a Public Education Plan.
7. Be more energy efficient.

#### 5.2.2 *Facilities Improvement Plan*

In early 2016, the District commenced a planning study and in December 2017, accepted a report entitled "Consolidated Facilities Planning Report Fishers Island Waste Management District," prepared by Project Management Associates LLC and Anchor Engineering Services, Inc. (Facility Planning Report). The review considered the condition of the current facilities and operations and identified the following issues when considering an upgrade to the District's operations and facilities:

1. The District has sought to maximize the amount of materials it composts with the available equipment and facilities. To perform this service, the District uses a shredder, screen, loader and related equipment. However, it does not have sufficient building space to store or maintain the composting equipment indoors and it is unable to process and manage some organic wastes that could potentially be compostable.
2. The metal chutes and closing systems at the transfer station are or have reached the end of their useful life.
3. The nearly century-old concrete walls and related structures at the compost station show evident weakness in some areas and there is no available information on the design of the structures. In one area under regular use, rebar is exposed and plainly compromised. In addition, fall protection should be upgraded with OSHA compliant barriers at the upper elevation positions where residents place bulky waste and other materials into the boxes and District employees actively manage operations.
4. For the first 10-15 years the Transfer Station was in operation, recycling in municipalities in the Northeast was conducted under a so-called "dual-stream" approach which involved separately handling mixed containers (bottles, cans and plastic containers) and fibers (newspaper, cardboard, mixed recyclable paper). These two streams were then separately transported to recycling plants that received and processed each stream separately. Beginning a decade or more ago, improvements in materials separation technology and collection (the curbside automated cart



collection truck) combined to move the industry from that approach and there are no longer any dual-stream recycling plants in Connecticut or New England. Instead, the industry now uses a "single-stream" approach whereby recycling plants accept the two previous streams as one combined truck delivery.

5. Additionally, these new single-stream processing lines accept inbound material collected in compactor-trucks, which maximize the number of households they can serve on a route. If the District were able to transition to a compactor box approach for the handling of single-stream recyclables, it could reduce the number of off-Island truck trips. Unfortunately, the Transfer Station does not now have space to accommodate another compactor box without sacrificing a slot historically used for trash or corrugated cardboard and reducing the flexibility the current three slots provide. Another compactor box is recommended.
6. The District's administrative building is limited to two offices, with no meeting space or general employee lockers or break areas.
7. The Transfer Station is at low grade and subject to flooding during large storm events, as was the case during Hurricane Sandy. Without some level of modification or reconstruction, there is no effective way to change this condition. Further, drainage at the station does not properly manage seepage from the trash containers.
8. There is no engineered stormwater collection and treatment at either facility. Best management practice and common, as well as cost effective treatment of stormwater from solid waste operations includes use of a device with oil/water separation and sediment removal.
9. Without a scale, the District cannot use a weight-based approach to charging fees for inbound or to monitor shipments of outbound material.
10. The District has no effective way to control moisture levels or aeration of the composting process at this time. There is also no means for operating staff to introduce moisture into the composting material, which is essential to maintaining ideal conditions to support the biological process. Finally, the compost windrows must be turned regularly to keep the process aerobic and minimize odor production.

Based upon the issues identified in the Facility Planning Report, and the additional studies and evaluations conducted at that time, improvements to the District's facilities were recommended and the following two options were evaluated:

Option 1: Perform the improvements at each of the two sites now operated by the District.

Option 2: As suggested in the 1997 LSWMP, consolidate the operations of the District at the larger, District-owned compost station, and perform the noted improvements.

Based upon the assessment that was undertaken, it was determined that the estimated capital cost of the two options was very similar. However, the consolidation of the District's activities at a single location offered greater management benefits and the potential to provide users with more hours of operation

without an increase in overall staffing costs. This results from the present conditions where there are times when only one or the other of the current facilities is open for service, but not both.

The specific improvements in the improvement program included the following:

1. Improve the composting technology used at the site through installation of composting pads and compost heap enclosures with blower control system. For conceptual design and pricing purposes, the technology offered by Sustainable Generation was considered well suited to this scale of operation on the Island.
2. Replace/reinforce the concrete walls along the perimeter of the grade elevation between the upper level (resident area) and lower level (working area) and improve fall protection;
3. Locate new chutes and electrical connections for four compactor boxes (MSW, cardboard, single-stream recyclables) and five open top boxes (scrap metal, bulky waste, etc.).
4. Add a 40 foot-by-60-foot new maintenance building.
5. Add a 50-foot-by-90-foot new mixing building to process and mix organics including corrugated, food waste and similar materials. Inside the building will be a grinder to process cardboard and food waste, and reinforced concrete wall area to mix organics.
6. Add a 40-foot scale to weigh single-unit trucks (not tractor-trailers) together with remote hookup and speaker system.
7. Add a 20-by-30-foot building (modular structure) for use as a “swap shop” to allow residents to place useable items in for selection and taking by other customers.
8. Relocate an existing modular building now located at the Transfer Station to receive e-waste and other items.
9. Renovate the current District office/garage building by converting the garage area to a meeting room with second floor employee area.
10. Perform associated site grading, fencing, paving, lights and site security and monitoring system.
11. Install an integrated stormwater management system.

The cost of the above improvements was estimated at \$4.13 Million, not including the cost of bonding and related administrative expenses. The DEC maintains a grant program that the District could apply for to support implementation of the needed improvements. The District has applied for grants under this program in the past and this opportunity does appear well suited to the organics/composting portion of the project. A grant, if approved and funded, is for 50% of the eligible costs not to exceed \$2 Million. Based on the proposed projects and program, the preliminary estimate for grant funding is \$1.8 million. The Overall Layout Plan for the consolidated facility is included in Appendix 4.

Whether the District will implement a consolidation of the two operations is unknown as of the date of this Plan. Nonetheless, the District could make the necessary improvements to separately handle and manage

wastes to meet the goals of the plan through Option 1 above, if that is the direction selected for implementation. Such improvements could include the following:

1. Undertake the safety and stormwater improvements identified above, including repair and replacement of chutes, hoppers and related equipment as required for both sites; and
2. Implement the necessary improvements to add containers for source separated food waste (which would then be shipped off-Island) and to manage single stream recyclables at the transfer station. This is likely to require additional space and modifications to the retaining wall structure at the site. A detailed review of the estimated cost of those improvements at the transfer station has not been undertaken at this time since, at the time the earlier work was performed, the recommendations contained in this Plan as necessary to meet the State's goal had not been developed. In particular, it was not anticipated that a recommendation would be made to receive source-separated food waste and related organics and potentially manage that material for off-Island shipment. When those plans were developed, the District intended to incorporate this material into an expanded composting program. Additional work is required to evaluate the impact of these recommendations upon the conditions at the transfer station site and would be undertaken at the time a committee is formed.

### **5.2.3 Additional Alternatives for Future Consideration**

Given that the District has withdrawn its plan to improve the facilities and implement an expanded composting program on-Island, it is expected that a process will begin to discuss the program further with representatives of the community. The outcome of this undertaking is expected to include a revised facilities improvement plan, at a minimum to address safety and regulatory issues, but which may also include revisiting how many of the intended goals of that program could be achieved while reducing some of the impacts (cost, visual, noise, etc.) that residents have identified as issues of concern.

Following are a few items that could be considered as part of this effort:

1. The withdrawn plan included constructing a permanent organics building where food waste and other source-separated organic materials are processed with a grinder and then mixed with wood chips and processed yard waste for introduction into the compost system. That facility was proposed as approximately 4,500 square feet, and was to be located on the upper level. As an alternative, a less permanent structure (such as a fabric hoop structure) could be located in the third bunker, at the lower grade. This option would reduce or eliminate the visual impact of the structure and reduce the cost of the enclosure.
2. A similar approach could be taken to substitute a less permanent structure for the proposed new maintenance building, although there may not be a ready alternative to the location proposed in the past.
3. For safety reasons, it has been recommended that the District rehabilitate the current 100-year old bunker walls, which are showing signs of weakness in some areas. It may be possible to delay some of this work to a future time; however, this may increase the overall costs since doing the entire project at one time is likely most efficient given the challenges of mobilizing and conducting work on the Island.

4. The District could eliminate some of the services it provides to Island residents and businesses, and seek to reduce capital, operating and maintenance costs.
5. The plan had allowed for purchase and location of a small modular wood structure to be used for “leave-and-take” activities at the compost site, thereby reducing volumes of material taken off Island for disposal. This component could be eliminated.
6. The District could delay work proposed to improve the current administration/maintenance building, leaving employees without locker or personal space.
7. Notwithstanding the above, the District should make any improvements needed to comply with regulations.

It is expected that these and perhaps other options will be considered as the District re-develops its facility plans for the future. This plan has identified certain improvements needed to accept additional streams of source-separated materials to meet the State’s per-capita disposal goals, which should be considered as part of this process.

### 5.3 Alternatives Evaluation

#### *5.3.1 Administrative/Technical Impacts*

A summary of the administrative and technical impacts of the alternatives considered in this Plan follows in Table 19 below.

Table 19 - Administrative & Technical Impacts of Options

Item	Advantages	Disadvantages
<b>Administration/Program Options</b>		
<p><b>Promote Waste Reduction Activities &amp; Programs</b></p>	<ul style="list-style-type: none"> <li>- May contribute to reducing the amount of waste handled by the District that must be taken off-Island for disposal. Amounts to be reduced are uncertain given the already-high recycling rates.</li> </ul>	<ul style="list-style-type: none"> <li>- Requires staff resources and development of public educational materials and on-going distribution and publication. However, if this effort were coupled with another educational effort, the marginal cost would be minimal.</li> </ul>
<p><b>Promote Reuse Activities &amp; Programs</b></p> <p>Promote Waste Reuse through Public Education</p> <p>Encourage Reuse through establishment of a formal swap-shop building</p>	<ul style="list-style-type: none"> <li>- Public education may contribute to reducing the amount of waste handled by the District that must be taken off-Island for disposal. Amounts to be reduced uncertain.</li> <li>- Installation of the formerly planned structure would encourage reuse and divert materials from the disposal stream. Expected to modestly-improve the success of the current leave-and-take program.</li> </ul>	<ul style="list-style-type: none"> <li>- Requires staff resources and development of public educational materials and on-going distribution and publication. However, if this effort were coupled with another educational effort, the marginal cost would be minimal.</li> <li>- Nominal cost for a modular structure.</li> </ul>
<p><b>Recyclables Recovery Programs For Paper, Metal, Glass, Plastic, &amp; Textiles</b></p> <p>Continue to use an off-Island private facility to process source-separated recyclables received.</p> <p>Build and operate a stand-alone facility on the Island to process source-separated recyclables received.</p>	<ul style="list-style-type: none"> <li>- Provides ready access to modern technology.</li> <li>- Contractor has a proven record of performance.</li> <li>- Avoids \$25 per ton processing fee otherwise paid.</li> </ul>	<ul style="list-style-type: none"> <li>- Cost of shipment.</li> <li>- Cost prohibitive for a locality the size of Fishers Island.</li> </ul>
<p><b>Organics Recovery Programs For Food Scraps And Yard Trimmings</b></p> <p>Implement the District's planned organics composting program expansion and associated technical approach.</p> <p>Separately collect and transport food waste off-Island.</p>	<ul style="list-style-type: none"> <li>- Would divert approximately 50 tons/year of food waste plus other compostable material.</li> <li>- Incorporates a proven technology for controlling the composting process.</li> <li>- Can be operated with current staffing of the District.</li> <li>- Allows for beneficial use of these organic streams on-Island.</li> <li>- Could divert a similar amount of food waste plus other compostable material'</li> <li>- Avoids improving the District's facilities to the extent proposed but still would require improvements to the transfer station or compost site. Maximum participation is likely to be realized if this new stream is accepted at the same location where MSW is received.</li> </ul>	<ul style="list-style-type: none"> <li>- Requires capital expenditure of approximately \$1.3 Million, however this amount includes managing other organic streams, not just food waste and yard trimmings.</li> <li>- Very high transportation and management costs- likely \$245/ton or more.</li> <li>- Requires storage of food waste on-site for longer periods (risk of odors).</li> </ul>
<p><b>Develop and Implement a Program to Improve Local &amp; Regional Markets for Recyclables</b></p>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>	<ul style="list-style-type: none"> <li>- No markets on the Island.</li> <li>- District's limited quantities insufficient to have a meaningful impact on markets.</li> </ul>

Item	Advantages	Disadvantages
<b>Implement an Enhanced Enforcement Program</b>	<ul style="list-style-type: none"> <li>- Can increase the amount of material recovered for diversion to digestion, composting and recycling.</li> </ul>	<ul style="list-style-type: none"> <li>- Requires more administrative action and procedures.</li> <li>- Takes effort to change habits; requires longer-term commitment.</li> <li>- The District is likely to get pushback from users of its facilities.</li> </ul>
<b>Design and Implement an Incentive-Based Pricing Program Like Pay-by-Bag</b>	<ul style="list-style-type: none"> <li>- In some circumstances, has been shown to be very effective to reduce waste and increase recycling.</li> <li>- Would create a financial incentive for users to cooperate fully with the increased source separation efforts associated with the District's planned organics program.</li> <li>- Would provide the District with another revenue source.</li> <li>- Has been shown to dramatically increase recycling and waste reduction in some communities; however, the District already enjoys a high recycling rate. Nonetheless, some increase is likely to be realized.</li> </ul>	<ul style="list-style-type: none"> <li>- Requires design and public education to launch the program.</li> <li>- Administrative effort required to oversee bag sales and financial accounting.</li> </ul>
<b>Improved Public Education and Outreach for Recycling and Cooperation with The District's Program</b>	<ul style="list-style-type: none"> <li>- Will generate support and cooperation in good waste management and recycling practices.</li> <li>- Expected to improve the District's program success.</li> </ul>	<ul style="list-style-type: none"> <li>- Requires development of public educational materials and on-going distribution and publication.</li> </ul>
<b>Improved Data Collection at District Facilities &amp; Evaluation Efforts</b>	<ul style="list-style-type: none"> <li>- A scale would allow the District to double-check statements from off-Island processing and disposal facilities.</li> <li>- Could allow for weight-based pricing of larger quantity users that would not be captured by a pay-by-bag program.</li> <li>- Provides a means to track success of diversion efforts real-time.</li> <li>- Scale could be set up for remote operation and management to minimize administrative impacts.</li> </ul>	<ul style="list-style-type: none"> <li>- Cost of truck scale installation is estimated at \$80,000.</li> <li>- O&amp;M cost of staff and maintenance.</li> </ul>
<b>Design and Implement a Local hauler Licensing Program</b>	<ul style="list-style-type: none"> <li>- Could require demonstration of insurance and equipment in good operating condition.</li> <li>- Could impose obligations to help enforce recycling and other management approaches.</li> </ul>	<ul style="list-style-type: none"> <li>- Requires administrative management.</li> </ul>
<b>Adopt Flow Control</b>	<ul style="list-style-type: none"> <li>- None perceived.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
<b>Design and Implement a C&amp;D Debris Reduction Program, including Deconstruction, Reuse and Recovery Activities</b>	<ul style="list-style-type: none"> <li>- May reduce the amount of C&amp;D generated on the Island.</li> </ul>	<ul style="list-style-type: none"> <li>- The District has minimal involvement in the C&amp;D debris management system.</li> </ul>
<b>Consider Using the Private Sector For Waste Management &amp; Coordination Efforts</b>	<ul style="list-style-type: none"> <li>- Could reduce the day-to-day management responsibilities of the Board of Commissioners.</li> </ul>	<ul style="list-style-type: none"> <li>- Engaging a private party to manage and operate the District's facilities could hamper enforcement efforts and limit incentives to reduce and recycle.</li> <li>- Loss of day-to-day control over activities at the facilities.</li> <li>- Could increase costs since a private entity would have tax obligations and naturally anticipate a profit in exchange for its undertaking.</li> </ul>



Item	Advantages	Disadvantages
<p><i>Source-Separated Mixed Recyclables (Old Corrugated Cardboard, old newsprint, mixed paper, and plastic, metal and glass food containers)</i></p> <p>Delivery to Recyclables Processor</p> <p>Construct and Build A Processing Facility</p>	<ul style="list-style-type: none"> <li>- A modern recyclables processing plant is reasonably close to the New London Ferry Dock and has provided the District with reliable service.</li> <li>- The above-mentioned facility accepts single-stream recyclables, which would allow the District to compact recyclables and reduce truck trips.</li> <li>- The cost of service at the facility is reasonable given current market conditions (\$25/ton).</li> <li>- If needed, there are other (though more distant) processors the District could use.</li> <li>- Avoids shipping unprocessed materials off-Island.</li> </ul>	<ul style="list-style-type: none"> <li>- Requires transportation of materials off-Island including hauling and Fishers Island Ferry District expenses.</li> <li>- Very costly to build and operate for the modest amount of material the District handles.</li> <li>- There are no local markets so all recovered products would still require off-Island shipment.</li> <li>- The very low annual volumes of material could result in lower prices from markets that value high-quantity generators.</li> <li>- The small amount of material handled may require storage of some smaller-content recovered materials (such as plastics) for a year or more before a truckload is accumulated.</li> </ul>
<p><i>Source-Separated Food Waste</i></p> <p>Process and Combine with other Compostable Materials on-Island</p> <p>Deliver to Distant off-Island Digester</p>	<ul style="list-style-type: none"> <li>- The material will enhance the quality of the District's compost product and provide for on-Island beneficial use.</li> <li>- Will reduce costs of off-Island transportation and disposal of MSW.</li> <li>- The capital cost of the processing equipment and facilities to facilitate handling this item (and other compostable wastes) is potentially subject to a 50% reimbursement grant from the NYS DEC.</li> <li>- Will contribute an important amount toward reducing MSW sent to disposal and meeting the NYSDEC MSW per-capita disposal goal.</li> <li>- The best candidate material to divert from the MSW disposal stream other than conventional recyclables diversion.</li> <li>- Avoids the need to handle and process the material on-Island</li> </ul>	<ul style="list-style-type: none"> <li>- Modest additional cost to incorporate this waste stream into the program.</li> <li>- Likely to cost upwards of \$240/ton or more.</li> <li>- May require improvements and special equipment at either the transfer station or the compost site to accept this material from generators on the Island, store, and then ship it to an off-Island facility.</li> </ul>



Item	Advantages	Disadvantages
<p><b>Other Source-Separated Compostable Organics</b></p> <p>Recover, Process, Compost On-Island</p> <p>Leave Compostable Paper and Cardboard Unrecovered in Recyclables and Disposal Streams</p>	<ul style="list-style-type: none"> <li>- The material will enhance the quality of the District's compost product and provide for on-Island beneficial use.</li> <li>- Will reduce costs of off-Island transportation and disposal of MSW.</li> <li>- The capital cost of the processing equipment and facilities to facilitate handling this item (and other compostable wastes) is potentially subject to a 50% reimbursement grant from the NYS DEC.</li> <li>- Avoids cost of handling separately and composting.</li> <li>- Acceptable to send to a recyclables processing facility as is the current practice.</li> </ul>	<ul style="list-style-type: none"> <li>- Modest additional cost to handle this waste stream.</li> <li>- Long term continuing cost of transportation and processing fees.</li> <li>- Cost of Recycling has been shown recently to be subject to cyclical product market conditions.</li> </ul>
<p><b>Brush, Logs, and Yard Waste</b></p> <p>Grind and Compost</p> <p>Shipment to off-Island Green Waste Processor</p>	<ul style="list-style-type: none"> <li>- Current approach; equipment and systems already in place.</li> <li>- Allows for beneficial use of product on-Island.</li> <li>- Avoids District activities.</li> </ul>	<ul style="list-style-type: none"> <li>- None</li> <li>- Loss of compost product now generated, which is beneficially used locally.</li> <li>- Other on-Island facilities are operated by landscapers and may not be equipped to handle the volume or size of materials received by the District.</li> <li>- Off-Island high cost of shipping is associated with this often-low-density waste off-Island.</li> </ul>
<p><b>Scrap Metal</b></p> <p>Deliver to Off-Island Scrap Metal Yard</p> <p>Attempt to separate and process this material on-Island</p>	<ul style="list-style-type: none"> <li>- Only feasible means to recycle this material, which must be further processed before delivery to markets.</li> <li>- Avoids shipping unprepared final products off-Island.</li> </ul>	<ul style="list-style-type: none"> <li>- Cost of shipment off-Island.</li> <li>- Cost prohibitive and absence of any recycling markets on-Island means that all products would be shipped off-Island.</li> </ul>
<p><b>eWaste, HHW</b></p> <p>Engage Specialized Collectors for Treatment</p>	<ul style="list-style-type: none"> <li>- Only feasible means to manage these materials.</li> </ul>	<ul style="list-style-type: none"> <li>- None other than the natural cost of transporting materials off-Island.</li> </ul>
<p><b>Wood Waste and Mixture of Oversized MSW, other C&amp;D received and Mattresses</b></p> <p>Deliver to Off-Island Processor /Recycler</p> <p>Landfill</p>	<ul style="list-style-type: none"> <li>- Multiple Connecticut facilities available to manage and process this material.</li> <li>- None</li> </ul>	<ul style="list-style-type: none"> <li>- Cost of shipment off-Island.</li> <li>- Facilities are very distant, All-in costs would be very high.</li> </ul>

### 5.3.2 *Jurisdictional Impacts*

While not legally able to become a full participating member, the District has entered into an agreement with SCRRA, which itself is a consortium of 12 southeastern Connecticut municipalities. For over two decades, the District has contracted with SCRRA and sent its MSW to the WTE for which SCRRA played an ongoing development and management role.

Due to the lack of transportation connections to the Town of Southold, it is not practical to consider participation with planning units in New York. In addition, there are no other jurisdictions with which the District could cooperate with in order to implement or operate a solid waste management program or facility.

As indicated in Section 4.3.2 of this Plan, Fishers Island is not identified as a potential Environmental Justice area based upon the income and demographic characteristics of the Island. In addition, this Plan does not include the creation of new facilities and would not expand the quantity of waste and recyclables that each facility manages. Rather, the District's intent to abandon the transfer station and consolidate its facilities to the compost station would include beneficial operational and programmatic changes. Of importance are the reduction of off-Island truck trips with waste reduction, reuse and composting programs, moving its composting operations indoors and processing under a state-of-the-art cover system (mitigating any impacts related to odors and dust), and moving equipment repairs to an exclusive building.

### 5.3.3 *Selected Alternatives and Programs*

A summary of the recommended/selected alternatives together with reasons and potential impacts follows.

1. The District develop and implement a public educational program that advocates the following best management practices:
  - a. Advocate waste reduction and reuse; and
  - b. Promoting source-separation of textiles and food waste and other compostable materials and separate delivery of those materials to the District.
2. The timing of the above programs may be impacted by decisions made regarding where these new streams will be received and managed, and the lead-time that may be required to implement any needed improvements to accommodate the new streams. The high recycling rate of the Island illustrates the willingness of residents to follow the District's policies. A renewed educational program should be focused on both improving waste reduction/reuse and converting residents to source separating textiles and food waste/ compostable organics for separate management and recovery by the District.
3. The District develop and implement a pay-by-bag incentive pricing system for residents that deliver MSW to its facilities. Other jurisdictions typically arrange for the purchase of special bags by residents for use at the transfer station, and charge a varying fee but often from \$1.50 to \$2.00 per bag. Adoption of a per-bag fee will provide residents with a financial incentive to reduce waste volumes and cooperate with source-separating food waste and other compostable organics that are now sent off-Island for diversion to the new compost program. It is also expected that a pay-by-bag approach would also increase diversion and recycling of non-compostable materials.

4. At the time the District implements the above incentive-pricing system for residents, a weight-based fee should be instituted for deliveries of MSW from commercial/business generators. A scale could be used to weigh and charge a fee for commercial customers that do not use a "bagged waste" approach, such as stores, contractors and clubs. A scale would be useful for an equitable fee-based system. A scale could also prove valuable in monitoring the weight of outbound materials, instead of only relying upon destination facilities reporting to the District.
5. The District develop and adopt rules/ordinances that provide for the following:
  - a. Require residents to purchase and use the District's special bag should it implement incentive-based pricing;
  - b. Require residents and businesses to source separate textiles and food waste and other compostable organics as defined by the District and deliver to the designated areas of the District's consolidated facility;
  - c. Implement a permit program for commercial haulers that requires demonstration of a minimum reasonable level of insurance for use of District facilities, and cooperation with the recycling program; and
  - d. Expand and incorporate the current enforcement program and fines into the above requirements.
6. The District continue its partnership with SCRRRA for MSW disposal services at the Preston WTE or the facility with which SCRRRA chooses to utilize. SCRRRA indicates it has sufficient reserves to continue to subsidize the tip fee, bringing the cost to \$58.00/ton of MSW delivered to the facility through the term of the current contract. The facility is reasonably close to the Fishers Island Ferry dock and has been reliable. SCRRRA will be negotiating a renewal contract for service in 2022. The District will monitor those discussions and determine if a change of course is needed thereafter. At some point, the WTE may prove unreliable and the District will need to evaluate options available at that time.
7. The District continue its use of a Connecticut recyclables processing facility for unrecovered, source-separated materials. Additionally, in keeping with the plan for its consolidated operations at the compost station, it is recommended the District convert to a single-stream recyclables product and utilize a compactor container to deliver the materials off-Island.
8. Continue the existing methods used for managing eWaste, HHW, scrap metal, single stream recyclables (following the consolidation of facilities) and for oversized/bulky waste items.

## Chapter 6. Implementation Plan & Schedule

The foundation for the District's ability to meet the reduction and diversion goals outlined in this Plan is the implementation of the following programs and activities:

1. An active public educational program.
2. Design, bidding, funding, and construction of any improvements that the District identifies as desired or needed to fully implement the program elements.
3. Phased Implementation of those program elements that will drive recycling rates higher and divert more materials from the disposal stream, including:
  - Implementation of a pay-by-bag program for residential MSW and small commercial generators that deliver bagged waste;
  - Implementation of a scale and weight-based fee system for larger business deliveries that arrive on a bulk basis. The purchase and utilization of a scale would also allow for improved recordkeeping;
  - Source separation of textiles and separate management for recycling and/or re-use; and
  - Source separation of food waste from the MSW stream and separate management for either composting on-Island or delivery to an off-Island digester or composting operation.

This schedule discussion is based upon the District's intent to revisit the planning process for an expanded composting program and the consideration of other facility options in more detail than was previously undertaken. The potential schedule identified below is general in nature, and not associated with the previously planned development improvements. Additional information regarding steps to implement this Plan is provided below.

### 6.1 Public Education Program

The District will need to implement and maintain throughout the planning period a vigorous public education program in order to achieve the planning goals outlined in this Plan, and to reduce by nearly one-half the amount of MSW sent to disposal on a per-capita basis. The program will need to target both the year-round and seasonal residents of the Island (including renters), and to advance:

- Waste reduction;
- Source-separated delivery of glass containers to facilitate the District's processing of the stream for beneficial use on the Island;
- Source-separated delivery of textiles through separate handling and receipt of this material for off-Island shipment;
- Source-separated delivery of food waste and similar compostable organics so that this material can be processed for beneficial reuse either on-Island or off-Island; and
- Increased recovery of recyclables such as corrugated cardboard, office and mixed papers, metal, glass and plastic containers for recycling and beneficial use.

The elements and content of the public educational effort will follow the timing and details of the decisions made by the District regarding how each wastestream will be managed, including the role of each facility in its operations. The challenge of meeting recycling goals through public education targeting reduction and recycling is universally difficult for many municipalities. Some of the traditional challenges are not present on the Island, the fact that approximately 80% of the housing is seasonal with many rented by vacationers with no long-term tie to the Island presents special challenges to the District.

## 6.2 Facility Improvements

The District is embarking upon a re-evaluation of its facilities within the context of new neighboring development and the role of each in its long-term program. This review is expected to include the following potential actions:

1. Whether consideration will be made to relocate any of the current activities conducted at either the transfer station or compost site to a new site, or to consolidate current activities at one of the two existing locations.
2. Once conclusions are reached regarding the role of each site in its permanent program, it will be necessary to identify any improvements needed. This may include decisions such as:
  - a. At which location would source-separated textiles and food waste/organics be received and what improvements are needed for the placement and management of the associated equipment?
  - b. Where will a scale be installed to weigh and charge for larger deliveries?
  - c. If the District is to abandon either or both of its current sites, where will the operations be placed?
  - d. What safety deficiencies exist at current facilities that will be relied upon in the future?
  - e. What must be done to comply with stormwater or other regulations?
3. As each improvement is defined, the District will need to arrange for the design, bidding and funding.

## 6.3 Phased Implementation of Program Strategies

The District will likely implement the various elements of this Plan on a phased basis, taking into consideration the timing of any required facility improvements to accommodate each element. For example, an enhanced public education program could be designed to adapt over time to promote participation in the program, as each item is available. The initial effort could start with encouraging waste reduction and greater diversion to recycling, and then expanded to add information about a pay-by-bag undertaking, source separation of textiles, source separation of food waste/organics, all timed to coincide with the availability of facility improvements and the District's desired timing for each component.

## 6.4 Implementation Schedule

The following schedule has been developed based upon the above described implementation steps and individual tasks. This schedule assumes there will not be a move to a completely new site; if this were to occur, an extended process would follow associated with site selection, site acquisition, environmental permitting and review, and construction.

- Identify Desired Facility Improvements and Permitting Requirements: Through Fall 2019
  - Safety Improvements
    - Identify fall protection and other recommended safety improvements associated with each of the transfer station and compost station.
    - Develop a plan and estimated cost of the improvements for consideration by the District.
    - Identify and review permitting requirements, if any apply.
    - Determine which improvements will be pursued for implementation.
  - Swap Shop Consideration
    - Identify a practical low-cost means to improve the "swap-shop" area at the compost site.
    - Develop a plan and estimated cost of the improvement for the District's consideration.
    - Select an approach to be implemented if desired.
  - Operational Improvements

- Identify candidate operational improvements for each of the two facilities for review and consideration by the District. This may include but not be limited to addition of a scale at the compost site, dust mitigation equipment, or similar items that may contribute to the District's effective management of waste and recyclables.
    - Develop a technical plan or selected equipment as may be appropriate for each such improvement, including estimated cost.
    - Consider whether any of the activities may require permitting or approvals by another agency.
    - Select the operational improvements to be pursued.
  - Environmental Compliance
    - Identify any operational or physical improvements to the facilities that are based upon current regulatory requirements.
    - Develop a plan and schedule for implementation of any required changes and estimated cost for each.
    - Once approved by the District, proceed to implementation.
- Permitting and Approvals: January 2020 through June 2020
  - For the range of improvements selected by the District for implementation, develop and implement a permitting strategy and plan.
  - Make application to respective agencies as required.
- Design/Bid/Fund Improvements: September 2020 through January 2021
  - Once the District has secured the necessary permitting approvals (if any) and secured the required funding for any improvements, develop the bid/quote documents to be used in proceeding with implementation. Such procurement documents will comply with NY applicable law regarding the deployment of individual trades and prevailing wages.
  - Conduct procurement processes including responding to questions from interested parties.
  - Consider the offers received and make an award.
- Construction Activities: April 2021 through October 2021
  - Perform any construction activities associated with the program.
- Phased Program Implementation, including Education: Mid-2019 through End of 2022
  - Identify those elements of the program that either would benefit from public education (complying with the existing recycling program for example), or which may be necessary to the safety, operational, or other improvements to be made to the District's facilities or services.
  - Develop a recommended schedule for implementing each component of the plan and identify the materials that may be required (flyers, announcements, etc.)
  - Prepare the public educational materials according to the recommended schedule
  - Implement as appropriate.

In addition to the activities above, the following actions have been identified for implementation:

- Evaluating Off-Peak MSW Shipments: Current through Fall 2019
  - The District is currently evaluating its pick-up schedule for more frequent shipments in the off-peak periods or in the alternative, may seek to apply for an individual permit with a variance on this issue.
- Improvements to Data Collection and Recordkeeping: Current through Fall 2020
  - A number of data collection and recordkeeping improvements will be explored by the District as part of this plan, including improving its recordkeeping of inert materials and brush and yard waste received at the compost station, and exploring methods to quantify the amount of C&D debris generated on the Island but not handled by the District.

## Chapter 7. Waste Stream Projections

The long-term goal of the State in its *Beyond Waste Plan* is “a progressive reduction in the amount of MSW destined for disposal to reach the ultimate goal of reducing disposal to 0.6 pounds per person per day by 2030.” The individual actions described in this Plan, when taken together are expected to active this goal. As noted earlier, the District does not rely upon landfills for disposal of MSW but instead has used waste-to-energy for MSW management over the approximately past two decades.

### 7.1 Waste Types and Quantities

Section 2.1 of this Plan provided a summary of the waste streams managed by the District and current quantities. Regarding future projections, the overall waste stream of the U.S. is under constant change due to evolutions in packaging and the ever-fluctuating economy. There is reason to expect that, for Fishers Island, the composition of the waste stream could contain more packaging materials like corrugated cardboard in light of the remote character of the Island and the associated transportation requirements. However, no compositional analysis has been undertaken as part of this planning effort.

### 7.2 Disposal, Reduction, and Recovery Projections

#### *7.2.1 Phased Participation Rates*

The Plan must take into account the pace at which residents and other users of the District’s facilities cooperate with increased requirements to source separate materials to allow the District to achieve its diversion goals. The District intends to spur participation in its Plan through a two-prong approach:

1. Establish and maintain a public education/informational program to spur waste reduction and diversion from disposal.
2. Implement of a pay-by-bag system, which will provide users with a direct financial incentive to source separate increasing amounts of materials in accordance with this Plan.

In light of the District’s close supervision of visitors to its facilities, and high current rate of recycling, which demonstrates a willingness to cooperate, there is reason to anticipate that a new public education program and implementation of pay-by-bag approach will spur rapid participation in the new system. However, there have been no decisions regarding the implementation dates of each strategy. For the purpose of this review, the following assumed phased implementation by the District and participation by users in adoption of new source separation requirements has been used in this Plan:

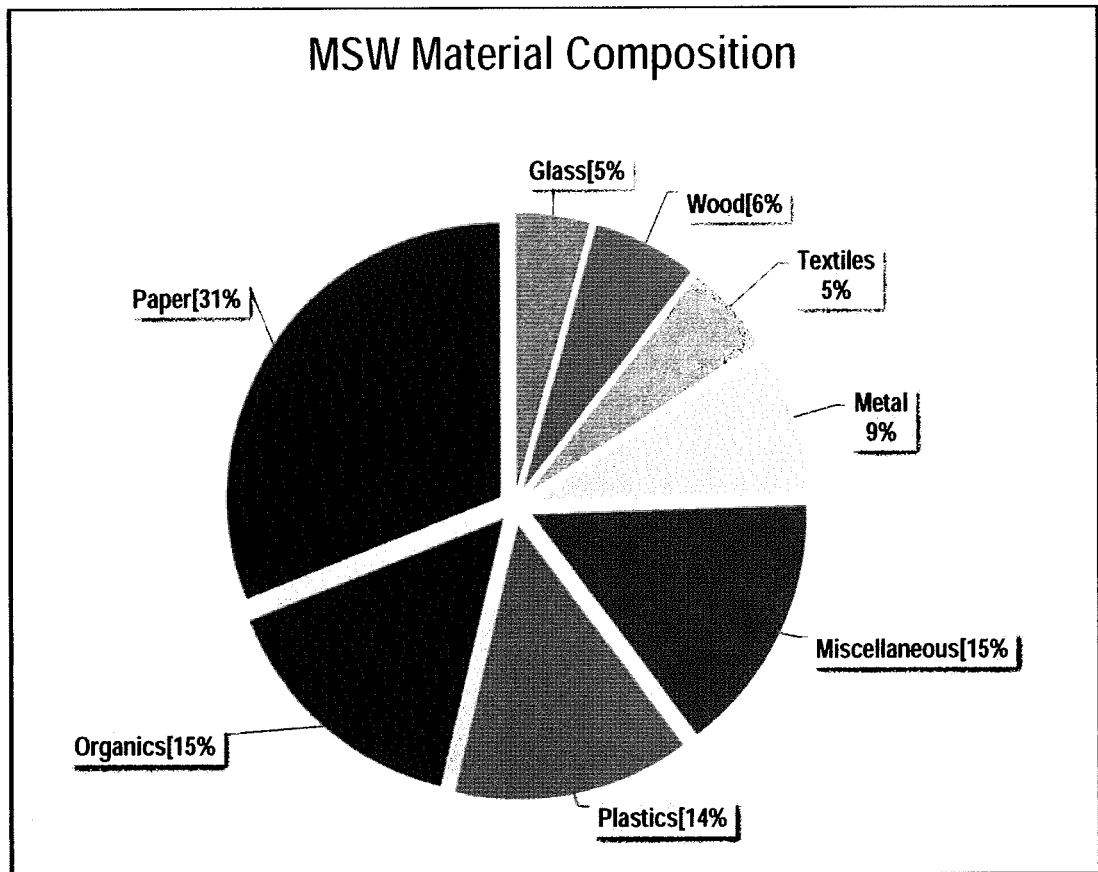
- A participation rate of 0% for 2019, reflecting a projected 3<sup>rd</sup> quarter start-up of the public education program;
- The potential first full year of implementation of these strategies is 2020, and it is assumed the District will realize only a 30% participation/success rate; and
- Thereafter, rates at which the District’s users will cooperate are to increase 10% per year to 2026, after which a maximum participation rate of 90% will be realized.

These assumed rates of participation are designed to take into consideration a combination of the rate at which the District adopts each of the recommended strategies, the rates at which residents and seasonal visitors begin to cooperate and comply or a combination of both factors.

7.2.2 Projected MSW Quantities with Diversions

The NYSDEC provides a guidance document and tool for use by planning units in preparing projections of waste and recyclables managed. Unfortunately, the State’s planning tool could not be used in this effort since it does not provide a means to incorporate the very significant seasonal population changes on the Island, where 80% of the housing units are seasonal. Nonetheless, New York does provide the guidance on the composition of the overall MSW stream<sup>29</sup>, as summarized in Figure 5, following.

Figure 5 - NYSDEC Estimated MSW Composition



The State of Connecticut, to which the Island is associated with for transportation and waste management purposes, has also examined MSW compositional issues through a 2015 compositional study.<sup>30</sup>

Connecticut’s study provided an estimate of the amount of material that could be diverted from the MSW disposal stream to composting. In this study, the authors estimated the “compostable organics – which include food wastes, green wastes, and some compostable papers – are quite significant at 41.4 percent” as associated with curbside and site collected MSW. However, the study also concluded some of these materials may not be easily source separated (in the home before disposal) or separated after disposal.

<sup>29</sup> [ftp://ftp.dec.state.ny.us/dshm/Planning/Waste\\_Composition\\_Calculators/popandmswcompcalc.xlsm](ftp://ftp.dec.state.ny.us/dshm/Planning/Waste_Composition_Calculators/popandmswcompcalc.xlsm)

<sup>30</sup> Connecticut Department of Energy and Environmental Protection, 2015 Statewide Waste Characterization Study.



Connecticut's field-sort data is, therefore, consistent with the NYSDEC data in Figure 5, which itself indicates a total of 46% organic and paper content.

This Plan calls for the District to require users of the facilities to source-separate compostable organics, which would be received for separate management from the balance of the MSW stream. For the purpose of this Plan, it has been assumed that approximately 80% of the potentially recoverable organics will ultimately be diverted to composting, providing an estimated potential net reduction in MSW disposed of approximately 33.1%<sup>31</sup>, also depending upon the rate of participation achieved at any point in time.

Another component of the MSW stream that can be captured for recycling/reuse is textiles. As illustrated in Figure 5, NYSDEC estimates that approximately 5% of the MSW disposal stream is textiles.<sup>32</sup> It is recommended that the District arrange to accept source-separated textiles for recycling and reuse. For this Plan, it is assumed that approximately 90% of the textiles in the MSW stream could potentially be captured, or 4.5% of the total MSW otherwise generated.

It is also assumed that an active public education program in combination with pay-by-bag can yield success in reducing the amount of waste generated on the Island through encouraging reuse and resident cooperation in avoiding waste generation. There is little overall data on the success of waste reduction advocacy upon volumes of waste disposed. However, for the purpose of this Plan, it is assumed that this strategy has the potential to reduce the amount of MSW generated by 10 percent.

Finally, it is also reasonable to recognize that implementation of a pay-by-bag program will have an effect upon the amount of recyclables diverted from disposal and captured for recycling. Unfortunately, data outlining the experience other communities realized that have adopted pay-by-bag programs is scarce. One USEPA study<sup>33</sup> indicates that typical communities with pay-by-bag realize on average 17.1% recycling rates compared to those without at 13.6%. While the District's recycling rate already exceeds these amounts, the current high rate of diversion on the Island illustrates that the Island's residents are inclined to participate in best management practices. For this Plan, it is assumed that a further 4% of the MSW stream could potentially be diverted to recycling through pay-by-bag adoption, matching the reported diversion success in other communities.

Table 20 provides a summary of the estimated amount of MSW that would be generated if no new programs are initiated, the estimated impact of the above MSW diversion opportunities, and projected amounts of MSW to remain for off-Island management and disposal. Additionally, the table shows the net disposed amount translated to calculated per-capita-per-day pounds using the estimated average annual population of the Island.

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<sup>31</sup> Of the otherwise generated amount based upon average population growth. The 33.1% represents 80% of the 41.4%.

<sup>32</sup> The Connecticut 2015 composition study estimated this component at 5.7%, which is consistent with the NYSDEC breakdown.

<sup>33</sup> Pay As You Throw (PAYT) in the US: 2006 Update and Analysis, December 30, 2006 (an EPA/SERA Report)

**Table 20 - Forecasted MSW Quantities for the Planning Period**

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
No Action MSW To Disposal:	255.0	260.2	265.3	270.5	275.6	280.8	285.9	291.1	296.3	301.4	306.6
No Action MSW Disposal Lbs./Capita/Day:*	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
New Program Participation or Success Rate:	0%	0%	30%	40%	50%	60%	70%	80%	90%	90%	90%
Organics Diverted From MSW:	-	-	26.4	35.8	45.6	55.8	66.3	77.1	88.3	89.8	91.4
Textiles Diverted from MSW:	-	-	3.6	4.9	6.2	7.6	9.0	10.5	12.0	12.2	12.4
Additional Recyclables Diverted:	-	-	3.18	4.33	5.51	6.74	8.01	9.32	10.67	10.85	11.04
Additional Source Reduction:	-	-	8.0	10.8	13.8	16.8	20.0	23.3	26.7	27.1	27.6
Total MSW Diverted:	-	-	41.1	55.8	71.1	87.0	103.3	120.2	137.6	140.0	142.4
<b>Net MSW to Disposal:</b>	255.0	260.2	224.2	214.6	204.5	193.8	182.6	170.9	158.6	161.4	164.1
<b>Estimated Average Annual Population:</b>	1,280	1,306	1,332	1,357	1,383	1,409	1,435	1,461	1,487	1,513	1,539
<b>Net MSW To Disposal Lbs./Capita/Day:</b>	1.09	1.09	0.92	0.87	0.81	0.75	0.70	0.64	0.58	0.58	0.58

(tons unless stated otherwise)

\*Plan assumes waste quantities follow population changes. As such, the per capita per day factor remains the same.

### 7.2.3 Glass Captured for Beneficial Reuse

Clean glass is another category of waste/recyclable material historically shipped off-Island that could be received as a source-separated stream, processed and beneficially used on the Island. The District has recently purchased a glass grinder and begun processing clean source-separated glass. Of the current mixed glass/metal/plastic container stream now handled by the District, it is estimated that approximately 54% is glass. For this Plan, it is assumed that 60% of the glass is ultimately diverted, and processed for local consumption. See Table 21 below.

**Table 21 - Forecasted Glass Diverted for Local Beneficial Use**

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Mixed Glass/Metal/Plastic Containers:	79	79	83	85	88	90	93	95	98	99	101
Glass Container Portion:	43	43	45	46	47	49	50	51	53	54	55
Assumed Participation Rate:	30%	40%	50%	60%	70%	80%	90%	90%	90%	90%	90%
Mixed Glass Diverted:	8	10	13	17	20	23	27	28	29	29	29

(tons unless stated otherwise)

#### 7.2.4 *On-Island Composting Program*

As noted above, the District had developed a plan to implement an expanded on-Island organics composting program, which plan has been set aside as of the date of this Plan. In the event this plan were to be implemented, the below information summarizes the effect of that activity upon the net amounts of waste and recyclables shipped off-Island for processing and management.

Because this Plan recommends the District implement source separation of compostable organics from the MSW disposal stream, whether the material is composted/digested off-Island or on-Island, the amount of MSW remaining for disposal would remain unchanged. However, an on-Island composting program could also target three other wastestream components for processing and management, and incorporate them into the District's composting program on-Island:

1. The mixed paper component of the recyclables stream is now sent off-Island at great expense for ferry, trucking, and processing fees. This material could be readily processed with a grinder and would be suitable for introduction into the composting program.
2. It is assumed that approximately 95% of the old corrugated cardboard that is shipped off-Island could also be processed and added to the organic mass subject to composting. This allows for exclusion from the composting program of certain corrugated cardboard items that may be wax or plastic-coated and, therefore, not good candidates for composting.
3. The District separately receives source-separated wood from residents and contractors, which is sent off-Island for processing and disposal/recycling. A reasonable portion of the wood is clean wood that, with sufficient planning, could be integrated into the new composting program. The vast majority of the wood is kiln dried, which needs to be incorporated with other organic materials and water to achieve good composting conditions. For this Plan, it is assumed that 40% of the wood is clean, untreated and unpainted and can be processed (shredded) and introduced into the composting program.

Table 22 provides a summary upon amounts of each of the above items that could potentially be recovered for composting if such a plan were pursued. Since the mixed paper and corrugated cardboard streams are already received source-separated, if facilities were available to process this material, there would be no need to provide for a phased-in participation rate in access to these streams.

**Table 22 - Summary of Additional Materials Diverted To Composting**

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Mixed Paper Received/Diverted:	0	0	31	32	33	34	35	36	37	38	38
SS Corrugated Cardboard:	45	45	46	47	48	49	49	50	51	52	53
Corrugated Cardboard Diverted:	0	0	44	44	45	46	47	48	49	50	50
Source-Separated Wood Waste:	86	86	88	89	91	93	95	96	98	100	101
Wood Waste Diverted:	0	0	35	36	36	37	38	39	39	40	41
Total Diverted to Compost:	0	0	110	113	115	118	120	123	125	127	129
Cardboard Recycled Off-Island:	45	45	2	2	2	2	2	3	3	3	3
Wood Waste Managed Off-Island:	86	86	53	54	55	56	57	58	59	60	61

\*All volumes in tons

The above provides information regarding the amounts of each waste stream that could be recovered for beneficial use on the Island in some form according to the District's previously adopted plan, which has now been withdrawn for further study. Table 23 below summarizes the remaining portion of each waste stream that would then be sent off-Island for recycling, processing and/or disposal as applicable to each material under this concept.

**Table 23 - Summary of Material Remaining for Off-Island Management with Expanded On-Island Composting**

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Net MSW Disposed:	255.0	260.2	224.2	214.6	204.5	193.8	182.6	170.9	158.6	161.4	164.1
Single Stream Recyclables:	101	99	69	68	66	65	63	65	66	67	69
Cardboard Recycled:	45	45	2	2	2	2	2	3	3	3	3
Wood Waste To Off-Island Facility:	86	86	53	54	55	56	57	58	59	60	61
Oversized MSW:	130	130	133	135	138	140	143	146	148	151	153
Scrap Metal Recycled:	55	55	56	57	58	59	60	62	63	64	65
Mattresses (Units)*:	152	152	155	158	161	164	167	170	173	176	179
e-Waste (Units)*:	54	54	55	56	57	58	59	60	62	63	64
Textiles:	0.0	0.0	3.2	4.3	5.5	6.7	8.0	9.3	10.7	10.9	11.0
Total Off-Island Tons:	679.8	682.6	547.3	542.7	537.4	531.5	524.9	520.8	516.2	525.2	534.2

(tons unless stated otherwise)

\*It is assumed mattresses weigh 80 lbs. and eWaste items weigh 50 lbs., both on average.

7.2.5 No Expansion of On-Island Composting Program

Recognizing that the expanded composting program may not be implemented, it is important to estimate the amount of material requiring off-Island shipment and management given the assumptions and analysis outlined in this Plan. Table 24 provides a summary of the estimated amount of each waste stream required to be sent off-Island for recycling, processing and/or disposal as applicable to each material under this option.

**Table 24 - Summary of Material Remaining for Off-Island Management with Plan Strategies But Without Expanded On-Island Composting**

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Net MSW Disposed:	255.0	260.2	224.2	214.6	204.5	193.8	182.6	170.9	158.6	161.4	164.1
Single Stream Recyclables:	101	99	101	101	101	101	101	104	106	108	110
Cardboard Recycled:	45	45	46	47	48	49	49	50	51	52	53
SS Organics to Digester/Composter:	0.0	0.0	26.4	35.8	45.6	55.8	66.3	77.1	88.3	89.8	91.4
Wood Waste To Off-Island Facility:	86	86	88	89	91	93	95	96	98	100	101
Oversized MSW:	130	130	133	135	138	140	143	146	148	151	153
Scrap Metal Recycled:	55	55	56	57	58	59	60	62	63	64	65
Mattresses (Units)(1):	152	152	155	158	161	164	167	170	173	176	179
e-Waste (Units) (1):	54	54	55	56	57	58	59	60	62	63	64
Textiles to Off-Island Processor:	0.0	0.0	3.6	4.9	6.2	7.6	9.0	10.5	12.0	12.2	12.4
Total Tons Shipped Off-Island:	679.8	682.6	685.2	692.9	700.4	707.6	714.5	724.2	733.8	746.6	759.4

(tons unless stated otherwise)

(1): It is assumed mattresses weigh 80 lbs. & eWaste items weigh 50 lbs., both on average.

As indicated above, the total amount of waste being shipped off-Island is approximately 680 tons per year. Over the forecasted planning period, it is estimated that the total annual waste shipment will increase to approximately 760 tons, an increase of 80 tons or 11.8% of the current off-island shipment.

**APPENDIX 1**  
**General Registration for District Facilities**

DEPARTMENT USE ONLY					
DEC REGISTRATION #	MSW T/S SS MRF	5	2	R	0
		5	2	M	4
DEC ADMINISTRATION #					
DATE RECEIVED	1, 7, 98				

REGISTRATION FORM FOR A  
SOLID WASTE MANAGEMENT FACILITY  
Please read and follow all instructions before completing  
this registration form

Please Type or Print clearly THIS IS NOT A UPA PERMIT

1. FACILITY NAME AND LOCATION <u>Transfer Station</u>		2. FACILITY OWNER'S NAME	
Street <u>Whistler Avenue</u>		Mailing Address	
City/Village <u>Fishers Island</u>		City/Town/Village	
County <u>Suffolk</u>		State/Zip Code	
Telephone Number <u>(516) 758-5515</u>		Telephone Number	
3. FACILITY OPERATOR'S NAME (if different) <u>Fishers Island Garbage + Refuse Dist</u>		4. SITE OWNER'S NAME (if different)	
Mailing Address <u>P.O. Box 22</u>		Mailing Address	
City/Town/Village <u>Fishers Island</u>		City/Town/Village	
State/Zip Code <u>New York 06390</u>		State/Zip Code	
Telephone Number <u>(516) - 758 - 7455</u>		Telephone Number	
5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)			
<input type="checkbox"/> Energy Recovery Incinerators or Pyrolysis Units [360-3.1(c)]		<input checked="" type="checkbox"/> Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities [360-12.1(d)]	
<input type="checkbox"/> Land Application and Sludge Storage Facilities [360-4.1(c)]		<input type="checkbox"/> Waste Tire Retreaders [360-13.1(d)(1)(i)]	
<input type="checkbox"/> Composting and Other Distribution and Marketing Facilities [360-5.3(b)]		<input type="checkbox"/> Waste Tires Stored for On-site Energy Recovery [360-13.1(d)(1)(ii)]	
<input type="checkbox"/> Land Clearing Debris Landfills three acres or less [360-7.2(a)]		<input type="checkbox"/> Tire Dealers Selling Waste Tires [360-13.1(d)(1)(iii)]	
<input checked="" type="checkbox"/> Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of household solid waste annually [360-11.1(b)(1)]		<input type="checkbox"/> Tire Manufacturing Facilities [360-13.1(d)(1)(iv)]	
<input type="checkbox"/> Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of containerized solid waste annually [360-11.1(b)(2)]		<input type="checkbox"/> Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock [360-16.1(d)(1)(i)]	
<input type="checkbox"/> Other facilities not specifically described above, Specify Type _____		<input type="checkbox"/> Uncontaminated Unacquitterated Wood Processing Facilities [360-16.1(d)(1)(ii)]	
6. SOLID WASTE HANDLED		7. OPERATIONS SCHEDULE - Normal schedule of operation	
a. List wastes and/or materials to be accepted <u>paper, cardboard, bottles+trans, plastic, household garbage</u>		<u>Monday - Friday - 7:30 - 4:30</u> <u>closed Wednesdays</u> <u>Sat. 7:30 - 11:30am. Sun 10:00am - 1:00pm</u>	
b. Quantity (Specify Units - see instructions) design capacity <u>3 compactor units</u> storage on site <u>3 closed dumpster units</u>		8. NAME(S) OF ALL MUNICIPALITIES SERVED <u>Fishers Island</u>	
9. CERTIFICATION: I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as <u>Chairperson</u> (title) of <u>F.I. Garbage + Refuse Dist</u> (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.			
Printed/Typed Name <u>Gregory C Thibodeau</u>		Signature <u>Gregory C Thibodeau</u>	Mo. Day Year <u>9   10   98</u>

REGISTRATION FORM FOR A  
SOLID WASTE MANAGEMENT FACILITY

Please read and follow all instructions before completing  
this registration form

Please Type or Print clearly THIS IS NOT A UPA PERMIT

DEPARTMENT USE ONLY

DEC REGISTRATION #	09D debris 75	5	2	R	1	3	R
DEC ADMINISTRATION #							
DATE RECEIVED	1/7/99						

1. FACILITY NAME AND LOCATION <u>Transfer Station + Composting</u> Street <u>Whistler + Fox Ave.</u> City/Village <u>Fishers Island</u> Town <u>Southold</u> County <u>Suffolk</u> Telephone Number <u>(516) 788-7227</u>		2. FACILITY OWNER'S NAME Mailing Address City/Town/Village State/Zip Code Telephone Number	
3. FACILITY OPERATOR'S NAME (if different) <u>Fishers Island Garbage + Refuse Dist.</u> Mailing Address <u>P.O. Box 22</u> City/Town/Village <u>Fishers Island</u> State/Zip Code <u>New York 06390</u> Telephone Number <u>(516) - 788-7455</u>		4. SITE OWNER'S NAME (if different) Mailing Address City/Town/Village State/Zip Code Telephone Number	
5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)			
<input type="checkbox"/> Energy Recovery Incinerators or Pyrolysis Units [360-3.1(c)] <input checked="" type="checkbox"/> Land Application and Sludge Storage Facilities [360-4.1(c)] <input checked="" type="checkbox"/> Composting and Other Distribution and Marketing Facilities [360-5.3(b)] <input type="checkbox"/> Land Clearing Debris Landfills three acres or less [360-7.2(a)] <input checked="" type="checkbox"/> Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of household solid waste annually [360-11.1(b)(1)] <input type="checkbox"/> Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of containerized solid waste annually [360-11.1(b)(2)] <input type="checkbox"/> Other facilities not specifically described above, Specify Type _____			
<input checked="" type="checkbox"/> Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities [360-12.1(d)] <input type="checkbox"/> Waste Tire Retreaders [360-13.1(d)(1)(i)] <input type="checkbox"/> Waste Tires Stored for On-site Energy Recovery [360-13.1(d)(1)(ii)] <input type="checkbox"/> Tire Dealers Selling Waste Tires [360-13.1(d)(1)(iii)] <input type="checkbox"/> Tire Manufacturing Facilities [360-13.1(d)(1)(iv)] <input type="checkbox"/> Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock [360-16.1(d)(1)(i)] <input type="checkbox"/> Uncontaminated Unadorned Wood Processing Facilities [360-16.1(d)(1)(ii)]			
6. SOLID WASTE HANDLED		7. OPERATIONS SCHEDULE - Normal schedule of operation	
a. List wastes and/or materials to be accepted <u>Contracting materials, household materials, metals, wood.</u> b. Quantity (Specify Units - see instructions) <u>Bush, leaves</u> design capacity <u>compost</u> storage on site <u>6 open dumpsters</u>		<u>Monday - Friday 8:00 - 4:30 p.m.</u> <u>Sat. 8:00 - 11:00am</u> <u>closed Sunday</u>	
		8. NAME(S) OF ALL MUNICIPALITIES SERVED <u>Fishers Island</u>	
9. CERTIFICATION: I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as <u>Chairperson</u> (title) of <u>F.I. Garbage + Refuse Dist.</u> (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.			
Printed/Typed Name <u>Gregory C Thibodeau</u>		Signature <u>Gregory C Thibodeau</u>	Mo. Day Year <u>19</u>   <u>11</u>   <u>98</u>





Department of Environmental Conservation

DIVISION OF MATERIALS MANAGEMENT

DEPARTMENT USE ONLY	
DEC ACTIVITY #	
DATE VALIDATED	
EXPIRATION DATE	

## REGISTRATION FORM FOR A SOLID WASTE MANAGEMENT FACILITY

Please read attached instructions (found at the end of this document) before completing this application. This is not a UPA permit. Solid waste management facility operations are not authorized until a registration is validated by the Department. Attach all required information to this form, as described in the instructions.

<b>1. REQUEST TYPE</b> (check applicable box)			
<input type="checkbox"/> Initial (new facility)		<input checked="" type="checkbox"/> Renewal	
<input type="checkbox"/> Modification			
<b>2. FACILITY INFORMATION</b>			
Facility Name Transfer Station and Compost Facility		Facility Address 2660 Whistler Ave	
City/Town Fishers Island	Zip Code 06390	Phone 631-788-7455	DEC Region 1
<b>3. FACILITY OWNER</b>			
Owner Name Fishers Island Waste Management District		Owner Address PO Box 22	
City/Town/State/Zip Code Fishers Island, NY 06390	Owner Phone 631-788-7455	Owner Email fiwastemanagement@gmail.com	
<b>4. FACILITY OPERATOR</b>			
Operator Name <input checked="" type="checkbox"/> same as facility owner		Operator Address	
City/Town/State/Zip Code	Operator Phone	Operator Email	
<b>5. SITE OWNER</b>			
Site Owner Name <input checked="" type="checkbox"/> same as facility owner		Site Owner Address	
City/Town/State/Zip Code	Site Owner Phone	Site Owner Email	
<b>6. PREFERRED CONTACT</b>			
<input checked="" type="checkbox"/> Facility Owner <input type="checkbox"/> Facility Operator <input type="checkbox"/> Site Owner <input type="checkbox"/> Other (provide): _____			
<b>7. FACILITY OPERATING HOURS</b> <small>Daily 7:30 A.M. to 4:30 P.M. Saturday &amp; Sunday 7:30 A.M. to 12:30 P.M. May close one or more days/week based on seasonal and other factors</small>			
<b>8. SERVICE AREA</b> List all municipalities within the service area of the facility The facility and the District serve only Fishers Island.			

**9. REGISTRATION TYPE**

Facility Type (check all applicable)	
<input type="checkbox"/> Research, Development, and Demonstration Project [360.18(a)]	<input type="checkbox"/> Waste Tire Collection and Storage [361-6.3(a)(1)]
<input type="checkbox"/> Recyclables Handling and Recovery [361-1.3]	<input type="checkbox"/> Waste Tire Sellers [361-6.3(a)(2)]
<input type="checkbox"/> Land Application and Associated Storage [361-2.3] *	<input type="checkbox"/> Waste Tire Retreaders [361-6.3(a)(3)]
<input checked="" type="checkbox"/> Composting and Other Organics Recycling [361-3.2(b), 3.3(b), 3.4(b), 3.5(b), 3.6(b)] *	<input type="checkbox"/> Motor Vehicle Repair Shop [361-7.3(a)(1), (b)(1)]
<input type="checkbox"/> Mulch Processing [361-4.3] *	<input type="checkbox"/> Vehicle Dismantling Facility [361-7.3(a)(2), (b)(2)]
<input type="checkbox"/> CDDHRF – Concrete, Brick, Rock [361-5.2(a)(1)]	<input type="checkbox"/> Mobile Vehicle Crusher [361-7.3(b)(3)]
<input type="checkbox"/> CDDHRF – Asphalt Pavement or Millings [361-5.2(a)(2)]	<input type="checkbox"/> Used Cooking Oil and Yellow Grease Processing [361-8.3]
<input type="checkbox"/> CDDHRF – Asphalt Roofing Shingles [361-5.2(a)(3)]	<input type="checkbox"/> Navigational Dredged Material Handling and Recovery [361-9.2]
<input type="checkbox"/> CDDHRF – Gypsum Wallboard [361-5.2(a)(4)]	<input type="checkbox"/> Combustion and Thermal Treatment [362-1.3]
<input type="checkbox"/> CDDHRF – Uncontaminated, Unadulterated Wood [361-5.2(a)(5)]	<input checked="" type="checkbox"/> Transfer Facility [362-3.3]
<input type="checkbox"/> CDDHRF – Soil/Sand/Gravel/Rock without contamination [361-5.2(a)(6)] <b>Cannot be combined with 361-5.2(a)(7)</b>	<input type="checkbox"/> HHW Collection Event [362-4.2] *
<input type="checkbox"/> CDDHRF – Restricted Use Fill, Limited-Use Fill [361-5.2(a)(7)]	<input type="checkbox"/> Landfill Reclamation [363-11.2] *
<input type="checkbox"/> CDDHRF – Other CDD with Case-Specific BUD [361-5.2(a)(8)]	<input type="checkbox"/> Regulated Medical Waste Treatment, Storage, and Transfer [365-2.3] *
	<input type="checkbox"/> Infectious Waste Management [365-3.3] *

\*Submit Addendum in addition to Site Plan and, if appropriate, Certificate Under Seal of the Department of State

**10. SOLID WASTE HANDLED – List all wastes and/or materials to be accepted**


Material	Maximum Throughput		
	Quantity	Units	Frequency (circle one)
1. MSW/Oversized MSW	500	Tons/Yr	Year
2. Wood Waste, Brush, Yard Waste	300	Tons/Yr	Year
3. Recyclables and eWaste	250	Tons/Yr	Year
4. Scrap Metals	100	Tons/Yr	Year

**11. TOTAL STORAGE CAPACITY**

Describe storage on-site and list total capacity  
 In cubic yards. Unprocessed Brush/Logs, etc.: 150; Processed Brush/Logs, etc.: 75; Brick, Concrete, Inert Materials: 150; Organics in Mixing Building: 75; Compost in Windrows: 250; Finished Compost at Storage Pad: 75; MSW In Compactors: 35; OCC/SS Recyclables In Containers: 60; Scrap Metal: 40; Bulky/Oversized Waste In Containers: 60; eWaste in Shed: 15; Total Potentially On-Site: 985

**12. CERTIFICATION**

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as \_\_\_\_\_ (title) of \_\_\_\_\_ (entity) to sign this registration form pursuant to 6 NYCRR Part 360, Section 360.15. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements under Parts 360, 361, 362, 363, and 365, as applicable. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Printed/Typed Name Beth A. Stern	Signature 	Date 12/28/17
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**WASTE CONTROL PLAN**  
**FISHERS ISLAND WASTE MANAGEMENT DISTRICT**  
**SOLID WASTE TRANSFER STATION &**  
**COMPOSTING FACILITY**  
**2760 WHISTLER AVE, FISHERS ISLAND, NY 06390**

December 19, 2017



**Project Management Associates, LLC**  
**PO Box 271777 • West Hartford, CT 06127**  
**860.756.0302 f 866.483.8588**

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Site Plan

## 1.0 Introduction

This Waste Control Plan has been prepared with respect to the solid waste transfer station and organics composting facility owned and operated by the Fishers Island Waste Management District ("FIWMD") that is located at 2760 Whistler Ave, Fishers Island, NY 06390

The facility is comprised of:

1. An access roadway
2. Elevated locations where users park and deposit waste and recyclables into containers for off-Island shipment to licensed facilities in Connecticut;
3. Shredding and composting equipment and an area of the site used to manage yard waste, brush and other organic materials delivered by users to the facility; and,
4. Administrative and equipment maintenance facilities associated with the operation and equipment used to manage waste and recyclables received at the facility.

The facility has been in operation for many years and was historically a coastal gun emplacement established during WWI. FIWMD is preparing to make certain improvements to the site which includes:

1. Relocation of MSW and recyclables transfer equipment and activity to the facility from a second transfer station FIWMD operates that is located on Town of Southold property;
2. Addition of building space for organics processing and equipment maintenance;
3. Improvements to the composting process including controlled aeration of piles.

This Waste Control Plan addresses the facility features and method of operation planned to be put in place following the completion of the proposed improvements.

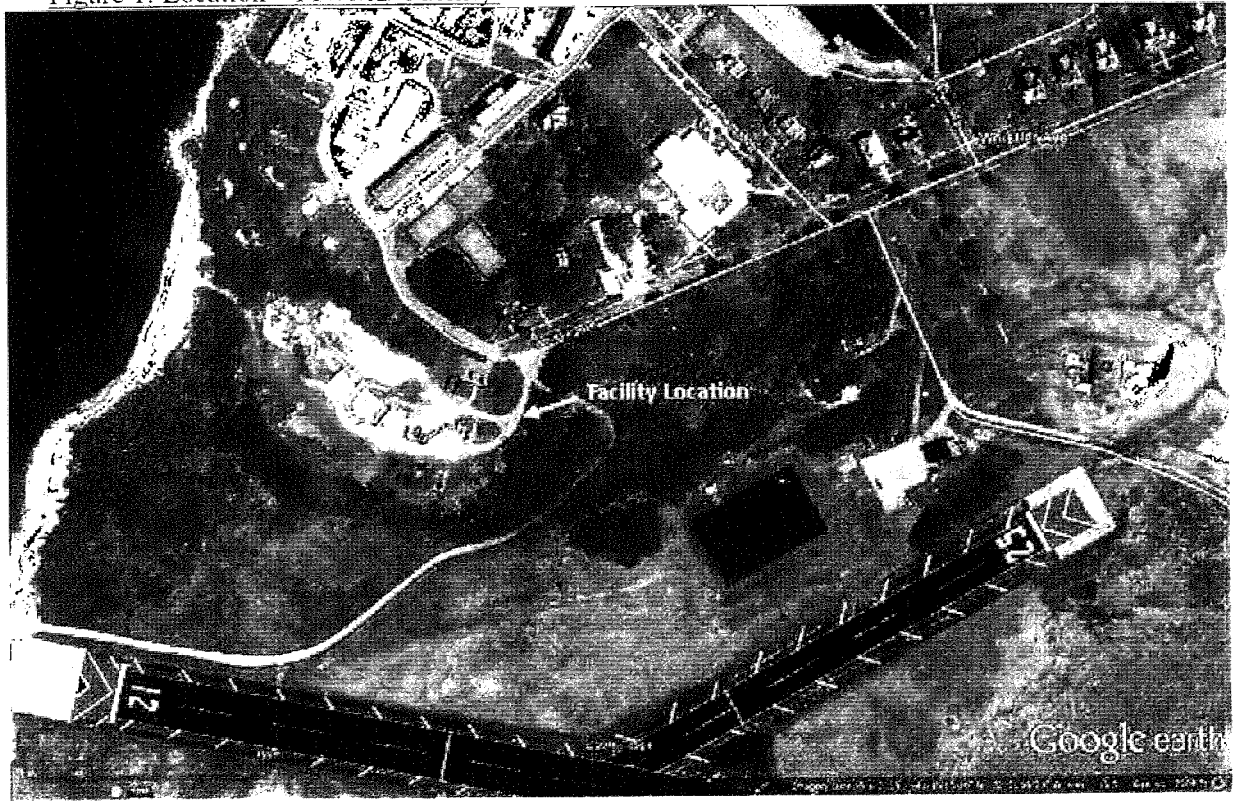
### 1.1 Site Location

Figure 1, below, shows the location of the site on the western area of the Island. To the south of the facility is the airport which is used primarily by private craft visiting the Island. There are no commercial flights to/from the Island.

Also visible in the image is the current facility configuration with the access road at the end of Whistler Avenue, and existing administration building and general limit of operating area for the facility, which is not planned to increase. Also visible in the upper portion of the image are industrial buildings used by contractors on the Island. Just off the image to the north is the ferry dock which is used for all vehicle travel to/from the Island.

The site location is well suited for the facility operations, given its general isolation from the balance of the Island to the east which is primarily residential in nature. Also, this site is near to the ferry dock and therefore allows for minimal use of Island roadways by trucks removing waste and recyclables destined for the ferry dock, and by returning trucks bringing empty containers.

Figure 1: Location – FIWMD Facility



## 2.0 Site Location And Traffic Flow

### 2.1 Site Access and Signage

The operating areas of the facility are directly accessed via the entrance roadway on Whistler Avenue. The main access road will have a gate that will be closed when wastes and recyclables are not being received at the facility. The District maintains a sign at the entrance. Acceptable wastes and hours of operation are noted on the sign and also on the District's website.

### 2.2 On-Site Traffic Flow

Please refer to the attached Solid Waste Plan to review the features of the facility and in reference to this discussion of method of operations.

FIWMD may elect to direct all or a portion of inbound traffic over the on-site scale to be located near the entrance gate. Whether inbound vehicles are weighed will be dependent upon the fee policy that may change from time-to-time. Once facility improvements are implemented, inbound vehicles will then proceed in a clockwise, circular, one-directional route into the site. Users delivering/removing waste and recyclables will proceed as follows [note; some users may be delivering more than one material type and may visit any of the designated areas and access the respective containers and storage areas]:

- E-waste, oversized waste (furniture, etc.) or wood: proceed to the first station, park and unload in the respective areas.
- MSW, organics, or recyclables: proceed further into the site and park near to the waste/recyclables compactors.
- Source Separated Organics: will be placed either in a small container near the MSW compactors, or directly onto the tip floor of the organics processing building if a larger quantity is being delivered.
- Brush, logs or similar material: proceed along the access road past the organics processing building to the brush/yard waste receiving area where the material will be unloaded.
- After depositing waste and/or recyclables, users will then continue clockwise through the site and approach the entrance/exit area. As appropriate, vehicles may be directed to again access the on-site scale before exiting the site.
- Users may also deposit useful items in the “swap shop” building, or remove items placed there by other parties.
- Trucks coming to the site to remove full containers and deliver empty containers will first cross the scale and then proceed to the lower working level of the facility where empty containers will be unloaded and full containers picked up for removal. Those vehicles will then proceed to the scale to obtain an outbound weight and proceed off the site and to the ferry dock for off-Island transportation.
- Trucks and cars seeking to remove compost product may cross the scale and then proceed to the finished compost product storage pad where they will load the material and then proceed to the exit, after weighing as instructed by FIWMD staff.

**3.0 Types and Quantities of Wastes**

The estimated annual amounts of waste handled at the facility relies upon recent records of materials removed from the Island for delivery to recycling and processing facilities. For those items not removed from the Island (brush, yard waste) an estimated generation rate has been used since a scale has not been in historical use. The following table summarizes waste types and estimated quantities.

**Table 1: Types and Quantities of Wastes**

Waste Type	Est. Annual Tons <sup>1</sup>	Comments
MSW (Excluding Bulky)	290	Note: Source separation of compostable organics will reduce the tons shipped off-Island to an RRF.
Bulky MSW	80	May include non-wood C&D waste. Includes approximately 7 tons of mattresses.
Wood Waste	150	From construction, demolition waste

<sup>1</sup> Where outbound weigh records were , these estimates incorporate that data. All amounts (except for eWaste) have been rounded up to nearest 10 tons.

Waste Type	Est. Annual Tons <sup>1</sup>	Comments
Recyclables	160	Household recyclables (glass, metal, plastic food containers plus paper and OCC) plus corrugated cardboard from all sources.
eWaste	2.5	This estimate is on-half the amount derived from 4 lbs/capita/year using the peak estimated population of 2,500 people (Note: year-round population is reported to be less than 250). Actual amounts handled in the past are less than 200 units, demonstrating that the seasonal population does not significantly contribute to this wastestream.
Scrap Metals	50	
Tree Debris and Brush Yard Trimmings	60	No weigh records exist. This waste is processed and composted at the facility. Estimate assumes 50% capture of all such waste produced on the Island since all private contractors do not bring this material to the facility. From .234 lbs/capita/day times 2,500 people (size of housing stock)
<b>Total Handled:</b>	<b>792.5</b>	

Table 2, following, provides an estimate of the maximum volume of each wastestream that may be present at any time on the site. It should be noted that the maximum volume of all items would in the normal course not be realized at a single moment in time. For example, full containers of MSW would be removed when full however the amount shown is in excess of the amount contained in a full container. The same is also the case for other items to shipped off-Island. Therefore, it is expected that these maximums will be achieved individually, but not simultaneously for all streams.

**Table 2: Estimated Maximum Cubic Yards On-Site of Each Waste/Recyclable**

Waste/Recyclable	Est Max Cubic Yards
Unprocessed Brush/Logs, etc.:	150
Processed Brush/Logs, etc.:	75
Brick, Concrete, Inert Materials:	150
Organics in Mixing Building:	75
Compost in Windrows:	250
Finished Compost at Storage Pad:	75
MSW In Compactors:	35
OCC/SS Recyclables In Containers:	60
Scrap Metal:	40
Bulky/Oversized Waste In Containers:	<u>60</u>



Total Potentially On-Site: 970

#### 4.0 Waste Handling Activities

Following is a summary of how key wastestreams are to be handled at the facility:

##### 4.1 Municipal Solid Waste (MSW)

MSW is ordinary mixed refuse generated from households and businesses on the Island. MSW is to be deposited into the fixed position hopper, drop into the compactor unit on the box where it will be compacted hydraulically in the self-contained roll-off box. When full, the box will be picked up for transportation and disposal off-Island at permitted facilities in the State of Connecticut. FIWMD will use two compactor-box positions for this purpose, which will rotate as each fills up.

Noteworthy, however, is that once the site improvements are complete, residents and businesses will be asked to source-separate food waste and similar compostable organics from the MSW stream prior to delivery to the facility. As a result, the amount of MSW received and disposed of in this manner, is expected to decline over time in comparison to historical records.

##### 4.2 Mixed Recyclables (Single-Stream)

The District does not currently offer single-stream recycling to its customers since it does not have space at the transfer station to install an additional compactor unit, which is the preferred method of receiving, storing and transporting these materials. At this time residents and the Island's limited business sector are asked to source separate recyclables into three different streams; a.) paper and mixed fibers; b.) mixed bottles, cans, and jars; and, c.) corrugated cardboard. These separate streams are placed by the delivering party into the three containers.

With consolidated operations at the compost site, recycling activity will change. First, residents and other users will be asked to separate clean uncontaminated paper/fiber materials that can be shredded and introduced into the composting program. Examples of uncontaminated materials that could be separately delivered to the site for composting include: pizza boxes, fiber egg cartons (not Styrofoam type), coffee grounds and filters, paper bags, paper towels and rolls, paper cushion packaging, shredded documents, and other similar uncontaminated organic wastes.

All other recyclables (bottles, cans, plastic food containers, paper, and similar materials) would then be received by the District as one, single-stream and placed into a hopper connected to a compactor roll-off box. When full, the box would be removed by truck and delivered to off-Island recyclables processing and recovery facilities.

##### 4.3 Source Separated Food Waste & Other Recyclable Organics

The District will encourage residents and users to source-separate and deliver to the site this new stream of uncontaminated food waste and recyclable organics for processing and introduction into the composting program. Bins will be located at the upper, resident parking area to receive these materials from residents. The District will use on-site equipment to move the bins into the

organics processing building on a daily or more frequent basis. Larger deliveries, such as from the two golf clubs, would be dropped directly in the organics mixing building by the inbound truck.

Inside the organics mixing building, operating staff will introduce the organic materials into a grinder designed to process: a.) food waste rich material; and, b.) paper, cardboard and other fibrous materials. Once the organics are reduced in size, they will be mixed with other materials (chipped brush, logs and yard waste) in a concrete storage area. Staff may also add water to the mixture at this point to insure the composting mass is optimal for biological activity and decomposition. Staff will periodically add the fresh mixture to the compost heap by pulling back the cover and adding to the heap.

Composting has historically been conducted in open windrows, which are periodically turned. Once the proposed improvements are complete, all composting will be conducted on a concrete pad, and with a special cover system. The pad will have an integrated air supply system and leachate collection system. The composting activity will be controlled through monitoring the temperature of the composting material while maintaining adequate air supply to insure the heap does not convert to anaerobic activity. Collected leachate, if any, will be recirculated into the compost program to minimize discharges.

The District has a large mobile shredder to process logs and brush, which activity would continue. The District also has a portable screen for use in maximizing the quality of the final product.

#### **4.4 Bulky, Oversized Wastes**

For FIWMD, this category of waste includes a range of oversized waste materials that includes things like: carpets, chairs and other furniture, mattresses and box springs, appliances, tires and other similar materials. Mixed C/D materials (other than wood) is also placed in this container. There will be no change in how these wastes are received and managed at the compost site. Metals will be placed in the metals box for recycling and the non-recyclable materials will be placed into containers. Once full, the boxes of recyclable and non-recyclable materials will be picked up by truck and taken by ferry where they will be delivered to recycling and processing facilities.

#### **4.5 Source Separated Clean Wood/Lumber**

Source separated and untreated clean wood and lumber such as pallets, spools and similar materials will be co-managed with clean brush and processed with the on-site shredder for use in the composting program. The District will not be separating wood from inbound wastes.

#### **4.6 Source Separated Construction and Demolition Wood Waste**

Source separated waste wood from construction and demolition materials will be received as is currently the practice; users must deposit the wood in the dedicated container for transportation to off-Island processing facilities. The District will not be separating wood from inbound wastes.

#### **4.7 Re-Use of Discarded Items**

At present there is an informal process at the compost site where residents can leave usable items such as furniture, bicycles and similar unwanted items. One of the proposed improvements is the installation of a small modular building that can be used to store and protect these items so as to encourage re-use of items in good condition, commonly called a “Swap-Shop” at municipal drop-off sites.

**4.8 E-Waste**

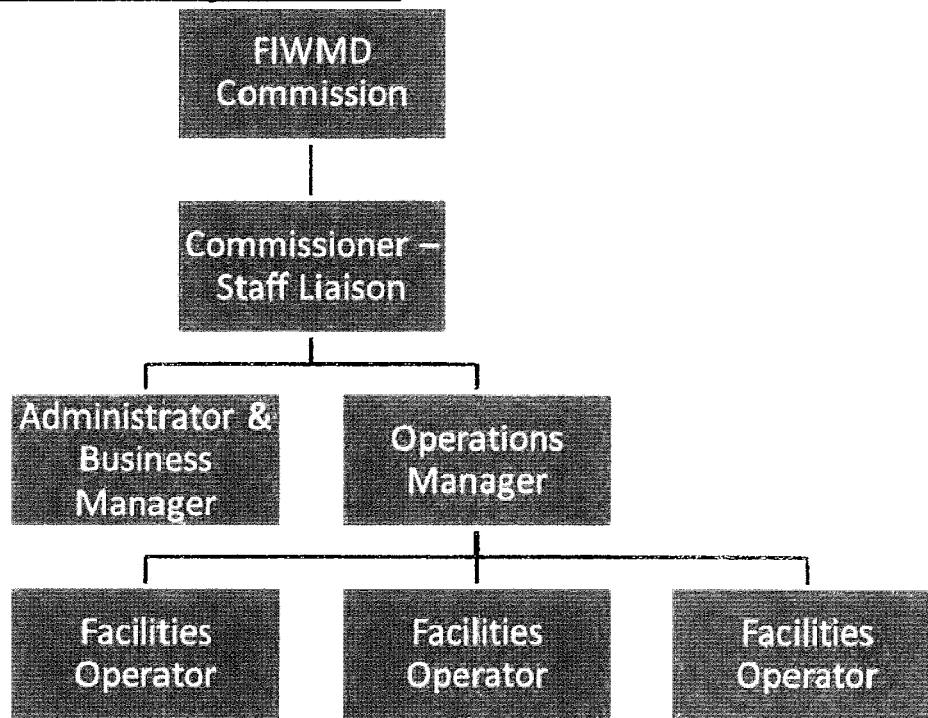
E-Waste will be placed in a storage building near the entrance to the site. FIWMD will then periodically arrange for the removal and recycling of items received and stored at this location.

**5.0 Staffing & Employee Training**

**5.1 Staffing**

The following chart illustrates the organization of FIWMD and its operating staff.

Figure 2: FIWMD Organization Chart



**5.2 Employee Qualification and Training**

All loads of incoming waste material shall be inspected by a representative of the facility who has been trained in the methods and procedures outlined in this waste control plan. The Operations Manager is responsible for qualification and training of operating staff. These activities generally include:

- Determining that prospective employees meet the minimum qualifications to perform the assigned position and;
- Train all personnel to ensure that all personnel are given the opportunity and guidance to acquire the knowledge, skills, and experience necessary to perform their responsibilities in a safe manner and in keeping with FIWMD's operating requirements.

While FIWMD's approach is intended to be flexible so as to accommodate qualification of personnel with various backgrounds, skills, and knowledge, while all personnel must meet certain requirements to ensure that they can perform the job adequately and safely with a high degree of mutual confidence.

#### Qualifications

FIWMD insures that each employee is qualified to perform the assigned duties through:

- Clearly identifying required qualifications for each position before hiring and managing the hiring process to determine that each candidate meets such applicable minimum requirements; and,
- Provision of ongoing and specialized training. Ongoing training includes routine review of FIWMD's operating requirements and specialized training is provided whenever necessary such as to prepare the individual to operate unfamiliar equipment, new processes, to perform new responsibilities, or similar circumstances.

#### Training

The training program includes a combination of formal and informal training. Formal training may include an employee's review of documentation such as FIWMD's operations plans, permit requirements, and, where equipment operation and maintenance is involved, review of documentation related to the subject equipment.

The District's Administrator and Business Manager is responsible for training and maintaining all records of waste receipts and shipments and appropriate reporting.

Informal training methods include the day-to-day, on-the-job training that is provided to individuals in the normal course of operations by the Operations Manager and other experienced staff. In particular, this includes:

- Provision of guidance and assistance to users to insure safety procedures are complied with;

- Instruction on which materials are not acceptable and how to insure that unacceptable wastes are rejected or, if not rejected, properly separated from acceptable materials and stored safely until they can be properly managed;
- Insuring that wastes and recyclables are placed in the proper locations;
- Maintenance of site access controls; and,
- Safe operation and maintenance of all on-site equipment.

The Operations Manager is responsible to insure that any employee that is to operate equipment at the site or on behalf of FIWMD is properly trained and has the qualifications to perform the duties assigned in a safe manner and in accordance with all applicable laws.

Employees will be trained in the operations of emergency equipment (i.e. fire extinguishers, spill response kit, first aid kits) at the facility. All employees at the facility will be trained in the recognition and the handling procedures for unauthorized and/or hazardous waste.

## **6.0 Education of Facility Users and Managing Unauthorized Wastes**

### **6.1 As-Received Inspections and Education of Users**

There is a two-fold inspection process that will be used for materials delivered to this facility. Initially, FIWMD staff will observe all waste deliveries by residents and others delivering waste and recyclables. This observation process will accomplish multiple goals, including:

- Providing guidance and education regarding acceptable material streams;
- Helping users understand which materials may not be acceptable. Unacceptable materials discovered during the delivery process will be rejected.
- Provision of guidance and follow-up to insure materials are placed in the appropriate on-site location/container; and,
- Monitoring users for compliance with safety procedures.

Material delivered to the organics processing building will be visually inspected by the attendant as it is dumped onto the tipping floor. Unacceptable materials discovered at that time will be rejected and the delivering party must remove it from the site.

FIWMD's staff has been effective in identifying unacceptable materials at the point of delivery since users are supervised during much of their on-site activity. Whenever this occurs, the item is rejected and the user is not allowed to deposit the item at the facility. However, unacceptable items may be discovered where it is not possible to reject the material prior to delivery and FIWMD will therefore be responsible for its storage and proper disposal. In some cases, waste may not be actually unacceptable for delivery to the facility, however it may be placed in a location that could contaminate other materials.

## 6.2 Unacceptable Materials Discovered – Delivering Party Not Known

Following is a description of how unacceptable materials are to be managed:

1. Unacceptable waste material discovered generally on the site will be brought to the attention of the Operations Manager, who will make an assessment of the potential risk associated with handling the waste. If safe to do so, such waste will be placed in one of the on-site buildings for safe-keeping until arrangements can be made for its safe disposal. Locations to be used for this purpose include the maintenance garage and also the residue storage area in the new organics building. If the Operations Manager cannot identify the material, or it does not appear to be normal material of the types accepted, then the material will be removed and staff will attempt to limit the potential spread of contamination (if any appears to be present). All personnel should exercise caution whenever handling abandoned, unknown, or potentially hazardous materials;
2. Material on the organics building tipping floor will be exposed and inspected a second time by the attendant and/or the loader operator as it is being processed. The operators are responsible for removing unacceptable materials from the tip floor and placing it in the waste container located in the designated storage area inside the building or into the MSW compactor unit. In most cases, unacceptable materials discovered in this area are not expected to present a hazard, but a potential source of contamination to the compost product (example; plastic bags);
3. Material located in the unprocessed brush/yard waste storage area will also be inspected by the loader operator as it is being processed.

The supervisor will be responsible for contacting qualified personnel or a hazardous waste management firm, to properly identify, remove and dispose of such wastes, as appropriate.

## 6.3 Storage of Unacceptable Materials

All unacceptable materials that are discovered on the site and where it cannot be rejected during the delivery process or returned the delivering party will be placed in a container in either the maintenance garage or in the new organics processing building as shown on the site plan (unless deemed hazardous for this location). FIWMD will arrange for the proper management of any unacceptable materials that result from these activities.

## 7.0 Signage

FIWMD will provide for the following signage at the facility:

1. Entrance: a sign will be erected at the entrance that shows the hours of operation and acceptable materials handled. A second sign will also show a list of typical kinds of unacceptable wastes that users may seek to deliver to the facility;
2. At each receiving location signs will identify allowable materials. At a minimum, the following locations will have signage:
  - a. E-Waste storage shed;
  - b. Swap-shop shed;
  - c. Scrap Metal, Wood and Bulky Waste containers;

- d. Organics containers and organics building tip floor area;
  - e. Recycling Containers (OCC and single-stream);
  - f. MSW containers; and,
  - g. Brush, yard trimmings and tree debris drop-off area.
3. Safety signage will also be installed as follows:
    - a. At areas of the site available to users where particular risks may be present, such as fall risks.
    - b. In operating areas where FIWMD staff may be subjected to workplace hazards.
  4. Traffic Control Signage  
Traffic control signs will be strategically placed at the facility to enhance the safety of users and site operating staff.

## 8.0 Site Plan

The attached site plan provides information on the operation of the facility and locations of waste materials on the site.

## 9.0 Safety

The operations manager is responsible for on-site safety and serve as compliance officer with respect to health and safety issues and help ensure that all on site operations are performed in accordance with OSHA regulations, including implementation of informational programs for employees with respect to on the job health and safety on an as needed basis.

Appropriate safety equipment will be maintained on site, as necessary, including but not limited to the following types of equipment:

- Personal Protective Equipment - Gloves, earplugs, overalls, safety glasses, steel-toed boots, hard-hats, etc.
- Moving Equipment - Seat belts, backup warning buzzers, rollover bars, brakes, etc.

### 9.1 Safety Procedures

Safety training will consist of the following information and practices:

- The location of first aid and safety equipment;
- The correct use of safety equipment, including, but not limited to, gloves, masks, eye protection, and safety boots;
- Specific work place practices, specifically:
  - Hand washing.
  - Handling of sharp objects.
  - Working around moving equipment.
  - Routine examinations of equipment.
  - Disposal of contaminated materials.
  - Correct and safe operation of all on site firefighting equipment.
  - Procedure for reporting safety violations.

All precautions to be taken to safeguard employee health and welfare shall be, at a minimum, in accordance with OSHA regulations and any applicable local rules and regulations.

Physical hazards will be identified, listed, and marked in accordance with 29 CFR 1910.144.

Protective equipment for personnel may include the following devices as applicable to individual tasks:

- Respirators as required by 29 CFR 1910.134
- Safety boots/shoes as required by 29 CFR 1910.136
- Hard hats as required by 29 CFR 1910.135
- Safety glasses/goggles as required by 29 CFR 1910.156
- Gloves as required by 29 CFR 1919.156 (C)
- Faces shields as required by 29 CFR 1910.133
- Emergency stop switches for machinery as required by 29 CFR 1910.216(e)
- Hearing protection as required by 29 CFR 1910.95 (C)

#### **10.0 Record Keeping & Reporting**

FIWMD maintains records of all outbound materials by material type and destination. These records are currently based upon weigh data from the receiving facility but would be based upon weigh data produced at the facility once the new scale is installed and operational.

To the extent inbound weights are recorded in the future, FIWMD will maintain records of inbound vehicles weighed in the database.

FIWMD will rely upon these records to produce and file the facility annual reports in NYSDEC's prescribed forms.





**APPENDIX 2**  
**Solid Waste Procurement Contracts**

## RECYCLABLE CONTAINER PROCESSING AGREEMENT

This Agreement between Willimantic Waste Paper Company, Inc., a Connecticut Corporation having its principal place of business at Columbia Avenue, Willimantic, Connecticut (hereinafter "WWP") and Fishers Island, New York, (hereinafter the "City") is hereby entered into as of \_\_\_\_\_, 1995.

Wherefore, the parties agree as follows:

1. Recyclable Containers shall mean only those commingled items which include metal food containers, glass food containers, PETE (#1) and HDPE (#2) plastic, aseptic drink boxes, and milk cartons. Recyclables shall also include aluminum foil, aerosol cans and large tin containers. WWP will also accept rinsed paint cans and #2 HDPE oil containers. Other items may also be considered upon the written agreement of the City and WWP.
2. The City agrees it will deliver to WWP all Recyclable Containers under its control during the term of this Agreement. WWP shall separate such materials as can be recovered from the material so delivered, and be solely responsible for marketing recoverable materials, and disposing of non-recoverable materials.
3. WWP shall weigh all vehicles delivering Recyclable Materials from the City, and shall invoice the City not less often than once each month for the Recyclable Materials delivered. The City shall pay such invoices within thirty (30) days of receipt. Any amounts due WWP and which have not been paid within such period shall accrue interest at the rate of one and one-half percent per month.
4. The City shall pay a processing/disposal fee of \$7.50 per ton for the first year, \$12.50 per ton for the second, \$15.00 per ton for the third, and \$20.00 per ton for years four and five. WWP shall retain any amounts received from markets for recyclable materials. If this Agreement is extended by the City pursuant to paragraph 6, below, the cost of service during six through ten shall be the amount paid for the prior year, as escalated. Escalation shall be calculated each year by determining the percentage increase in the Consumer Price Index-All Items-Northeast Urban (the "CPI"), most recently available on February 1 preceding the contract year under consideration, as compared to the level of such twelve months earlier. Such percentage increase in the CPI shall be the amount by which the then-current cost shall be increased to determine the cost of service

for the subsequent contract year.

5. The City and/or its operator shall provide WWP evidence of insurance for all vehicles delivering Recyclable Containers. Recyclable Containers shall be clean, and free from bags, ceramics and excessive contamination. Deliveries which have been "compacted" by the City or its operator to increase the weight of deliveries, or which contain excessive contamination, unacceptable materials, and contaminated recyclables may be rejected. WWP may charge a fee necessary and reasonable to the extra cost it incurs as a result of accepting contaminated or compacted loads for processing. WWP retains the right at any time to reject loads. The City shall indemnify and hold WWP harmless from all costs and losses which may result from the delivery of hazardous waste.
6. The initial term of this agreement shall be for five (5) years from the date shown above. Upon written notice delivered to WWP not less than ninety days prior to the end of the initial term, the City may extend this agreement for an additional five (5) year term.

Agreed To By: \_\_\_\_\_ Fisher Island, New York  
Willimantic Waste Paper Company, Inc.

By: James DeVivo By: \_\_\_\_\_  
James C. DeVivo, President Its: \_\_\_\_\_  
Duly Authorized Signature

Witness: Michael [Signature] Witness: \_\_\_\_\_

Execution Copy

SOUTHEASTERN CONNECTICUT REGIONAL  
RESOURCES RECOVERY PROJECT

SOLID WASTE PROCUREMENT CONTRACT

between

SOUTHEASTERN CONNECTICUT REGIONAL RESOURCES RECOVERY AUTHORITY

and

FISHERS ISLAND GARBAGE & REFUSE DISTRICT

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CONTRACT

between

SOUTHEASTERN CONNECTICUT REGIONAL RESOURCES RECOVERY AUTHORITY

and

FISHERS ISLAND GARBAGE & REFUSE DISTRICT

A SPECIAL ASSESSMENT DISTRICT

OF THE TOWN OF SOUTHHOLD

IN THE STATE OF NEW YORK

TO PROVIDE SOLID WASTE MANAGEMENT SERVICES

PREAMBLE

THIS CONTRACT, made and dated as of January 10, 1992 by and between SOUTHEASTERN CONNECTICUT REGIONAL RESOURCES RECOVERY AUTHORITY (hereinafter sometimes referred to as the "Authority"), a body politic and corporate, constituting a public



instrumentality and political subdivision of the State of Connecticut (hereinafter referred to as the "State") and the FISHERS ISLAND GARBAGE & REFUSE DISTRICT, a special improvement district created pursuant to the statutes of the State of New York and located in the Town of Southhold in the State of New York (hereinafter referred to as the "District").

A. Representations of the District - The District represents that:

1. The District manages all of the Acceptable Waste generated on Fishers Island, an island located in Long Island Sound and within the corporate boundaries of the Town of Southhold, New York and, pursuant to the authority granted it under New York State law, the District is agreeing to deliver all of said Acceptable Waste to the system other than Acceptable Waste which the District segregates or recycles as provided in section 102 below.
2. It is authorized by New York State law (i) to enter into a long-term contract for adequate resources recovery and waste disposal processing, (ii) to pay reasonable fees and charges established for such services and (iii) to pledge the full faith and credit of the District for the payment of such fees and charges; and pursuant to such law, it is authorized to enter into and perform this contract.

3. It has received and reviewed such matters and such information as it considers necessary or appropriate for the execution of this Contract and has taken such action as is required or necessary acting pursuant to New York State law, the municipal charter or ordinances of the Town of Southhold and/or the charter and by-laws of the District required as a condition to the execution hereof so as to cause this Contract to be binding on it and enforceable as to its terms.

B. Representations of the Authority. The Authority represents that:

1. The Authority, established pursuant to Chapter 103b of the Connecticut General Statutes (the "Act"), has the authority to implement a regional solid waste disposal and resources recovery system and facility in accordance with the applicable statutes and regulations of the State.

2. Pursuant to and in accordance with the provisions of the Act, the Authority has been duly created and established for the performance of an essential public and governmental function, and is authorized (i) to make plans, surveys, investigations and studies necessary and desirable to process and transport solid waste, (ii) to design, acquire, construct, erect, build, alter, reconstruct, improve, enlarge or extend, own, operate, maintain and finance waste management projects, and to make provision for their management, for the manufacturing, processing and

transportation operations necessary to derive recovered resources from solid waste, and for the contracting for the sale of such, and (iii) to contract with entities located within and without the State of Connecticut to provide the service of recovery, storing and processing of solid waste in such a way as to produce materials or energy which may be used in manufacturing, agriculture or other processes, (iv) to charge reasonable fees and charges for the services it performs, and (v) to provide for the production, from such services and resources recovery operations, of revenues to reduce the costs of the services of the Authority to the users thereof.

NOW, THEREFORE, in consideration of the undertakings and agreements hereinafter set forth, the Authority and the State agree as hereinafter stated.

#### ARTICLE I DEFINITIONS

Section 101. Specific Definitions. As used in this Contract, except as otherwise expressly provided or unless the context otherwise requires, the words and terms listed in this section shall have the following meanings:

"Act" shall mean Section 7-273aa through 7-273cc of the Connecticut General Statutes, codified as Chapter 103b, as amended and supplemented to the date of this contract.

"Additional Charges" shall mean any charges or fees imposed on the Authority as a result of its acceptance and processing of Solid Waste from the District, which charges or fees are not similarly applicable to Solid Waste from the Member Municipalities, including additional fees imposed by the Town of Montville under its Pilot Agreement with the Authority for ash resulting from Solid Waste delivered by entities other than the Member Municipalities.

"Authorized Representative of the District" shall mean any officer, employee, elected official or other person authorized by the District to act as an Authorized Representative for the purposes of this Contract.

"Billing Period" shall mean each one-month period ending on the last day of each month in each Contract Year.

"Bond or Bonds" shall mean any bond or bonds, as the case may be, authenticated and delivered under the Bond Resolution (hereinafter defined) and any other bonds, notes or other evidences of indebtedness issued by the CRRA to pay the Cost of System or bonds, notes or other evidences of indebtedness issues by the CRRA in substitution for, in lieu of, or to refund, retire or pay any such bonds, notes or other evidences of indebtedness.

"Bond Resolution" shall mean the bond resolution or indenture of the CRRA authorizing the issuance of Bonds, as originally adopted, or, if amended or supplemented or restated as in the Bond Resolution provided, as so amended or supplemented or restated.

"Bridge Agreement" shall mean the Agreement between the Authority and CRRA with respect to the financing, construction and operation of the System or any successor agreement.

"Commercial Operation Date", with respect to the System, shall mean 12:01 A.M. prevailing time, on the day when the System has been completed and tested and is, in the written opinion of the Consulting Engineer appointed by the Authority and the CRRA for purposes of so certifying, ready for commercial operation.

"Consulting Engineer" shall mean any independent engineer, firm, or firms of engineers of sound reputation for skill and experience with respect to resource recovery facilities, selected by the Authority and the CRRA and approved by the Trustee.

"CRRA" shall mean the Connecticut Resources Recovery Authority, a political subdivision of the State established by the Connecticut Solid Waste Management Services Act, codified as Chapter 446e of the General Statutes of the State.

"Contract Year" shall mean the twelve-month period commencing at 12:01 A.M., prevailing time, on July 1 of each year, except that the first Contract Year shall begin on the Commercial Operation Date or on the Scheduled Commercial Operation Date, as defined in the Bridge Agreement, whichever is the first to occur, and end at 12:00 P.M., prevailing time, on the following June 30.

"Facility" shall mean the solid waste disposal and resources recovery facility constituting a part of the System.

"Member Municipalities" shall mean those Connecticut municipalities which are members of the SCRRA and which have executed a Municipal Contract.

"Month" shall mean a calendar month.

"Municipal Contract" shall mean a Municipal Solid Waste Management Services Contract by and between a Member Municipality and the Authority.

"Service Payments" shall mean the amounts due the Authority pursuant to this Contract for the Solid Waste delivered by or on behalf of the District and accepted by the System for any period.

"Solid Waste" shall mean unwanted and discarded solid materials, consistent with the meaning of that term pursuant to Section 22a-260(7) of the Connecticut General Statutes, excluding:

(a) liquid wastes including, but not limited to, semi-solid, liquid materials collected and treated in a municipal sewerage system;

(b) non-combustible construction debris or street sweepings;

(c) oversized bulky items including, but not limited to, discarded appliances, large parts or automobiles, and oversized tree stumps, logs and branches; and

(d) hazardous, toxic, radioactive, explosive, pathological or biological materials which may adversely affect operations of the Facility and/or the environment.

"State" shall mean the State of Connecticut.

"System" shall mean the "Southeastern Connecticut Project", not inconsistent with the definition of such term as contained in the Bond Resolution, and including the Facility, transfer station or stations, disposal site or sites and such alternative site or sites for processing or disposal of Solid Waste.

"Trustee" shall mean the Trustee under the Bond Resolution, and its successor or successors and any other corporation which may at any time be substituted in its place pursuant to the Bond Resolution.

Section 102. General Definitions and Construction. As used in this Contract, except as otherwise provided or unless the context otherwise requires:

(a) The terms defined in this Article have the meanings assigned to them in this Article, and include the plural as well as the singular;

(b) All other terms used herein which are defined in the Bond Resolution, either directly or by reference therein, have the meanings assigned to them therein;

(c) All accounting terms not otherwise defined herein have the meanings assigned to them in accordance with generally accepted accounting principles, and the term "generally accepted accounting principles" with respect to any computation required or permitted hereunder shall mean such accounting principles which are generally accepted at the date or time of such computation; and

(d) The words "herein", "hereof" and "hereunder" and words of similar import refer to this Contract as a whole and not to any particular Article, Section or other subdivision.

ARTICLE II  
SYSTEM AND SERVICES TO BE PROVIDED

Section 201. Responsibilities of Authority and the District.

(a) The Authority shall, in accordance with the terms of this Contract, receive and dispose of Solid Waste from the District.

(b) The Authority shall with due diligence and practicable speed cause to be prepared and completed, either directly or through the CRRA, plans for the construction and financing of the System, and upon completion of such financing or the making of arrangements therefor satisfactory to the Authority, shall use its best efforts to cause the System to be constructed and completed. The Authority shall also do such other acts and things as are necessary and desirable to entitle it receive and collect at the earliest practicable time Service Payments and other payments from the District pursuant to this Contract. The Authority will thereafter operate and maintain, or cause to be operated and maintained, alter, improve, renew and replace, and to the extent feasible, enlarge and extend the System so as to dispose of all Solid Waste delivered to and accepted by the System pursuant to this Contract.



(c) The District shall cause all or any portion of the Acceptable Waste generated on Fishers Island to be delivered to the system on the later of the following: (1) the date when, in the written opinion of the Consulting Engineer, the Facility is ready for acceptance testing and upon the direction of the Authority; or (2) the date on which the District is prepared to begin the shipment of Acceptable Waste from its transfer station. However, if the Facility is ready for acceptance testing on or before May 1, 1992 and the District is not prepared to begin the shipment of Acceptable Waste from its transfer station by May 1, 1992, the Authority may terminate this Contract. It is expressly understood and agreed that nothing in this Contract shall require the District to deliver a specified minimum tonnage to the Facility on either a daily, monthly or annual basis.

(d) Upon the terms and conditions herein stated, the District shall pay the Service Payments and other payments for the disposal of such Solid Waste.

(e) The Authority shall accept any vehicle compatible with the System and its equipment and authorized by the District for the delivery of Solid Waste pursuant to this Section.

(f) The Authority shall, whenever reasonably possible, schedule hours and days for receiving Solid Waste consistent with and compatible with the District's normal collection and delivery schedule.

Section 202. Requirements Regarding Solid Waste.

Notwithstanding any other provisions of this Contract, the District agrees that the Solid Waste to be delivered to the System or any portion thereof shall meet each of the following requirements:

(a) It must be Solid Waste emanating from Fishers Island, provided that nothing herein shall preclude the District from cooperating with any municipalities either through Municipal Collection or Contract Collection as defined in Section 22a-207(14) and (15) of the Connecticut General Statutes, as in effect as of the date hereof, for delivery of Solid Waste emanating from any such municipality, being delivered in one bulk to the System provided the Authority is informed of the arrangement, including the appropriate method of allocating the Solid Waste among such municipalities and the District;

(b) It must not be of such a quantity, quality or other nature as to materially impair the operation or capacity of the System or any portion thereof, normal and reasonable wear and usage excepted;

(c) It must not be of such a quantity, quality or other nature as to create flammable or explosive conditions in the System or any portion thereof;

(d) It must not contain chemical or other properties which, in the opinion of the Authority, are deleterious or capable of causing material damage to any part of the System or to personnel; and

(e) It must not include any hazardous or toxic substance as defined by applicable Federal statute or regulation, except to the extent permitted by the Authority, from time to time, in writing at such points and under such conditions as the Authority shall prescribe.

It is understood and agreed that the System is not intended to be designed or used for the transportation, storage or disposal of hazardous waste, and the State agrees to use their best efforts to take all necessary or appropriate action to ensure that no part of the System shall become classified as a hazardous or toxic materials storage or processing facility.

Section 203. Compliance with Requirements. The District will cause all Solid Waste at any time delivered directly or indirectly to the System by it or on its behalf to comply with any requirements of the Authority as permitted by law. In all cases where such requirements involve technical or scientific analyses or determinations, the Authority shall have final authority as to methods, standards, criteria, significance, evaluation, and interpretation of such analysis and determinations. The District will permit no new deliveries and will discontinue existing deliveries of Solid Waste of the District by the District or by others which includes any Solid Waste that does not comply with such requirements of the Authority. The Authority may from time to time make a determination of the respects in which Solid Waste delivered to the System by or on behalf of the District is not in compliance with such requirements then in effect. A copy of said determination shall be mailed to the District at its usual places

of business and for all purposes of this Contract shall be conclusively deemed to have been made in accordance with this Article and to be correct at the expiration of sixty (60) working days after such mailing unless within such period of sixty (60) working days the District shall have filed with the Authority an objection thereto stating that such determination is incorrect and stating the changes therein which should be made in order to correct such determination.

The Authority shall thereafter accept or reject the District's correction and/or objection in a timely manner. Notice of the Authority's decision shall be mailed to the District at its usual places of business within three (3) working days of the date of decision.

Where the Authority has rejected all or any portion of the District's corrections and/or objection, and the parties have agreed to forego their right to submit the matter to arbitration as envisioned by Section 517 of this Contract, then the Authority, acting by its designated hearing officer, shall notify the District of, and thereafter conduct a full and meaningful hearing upon, the matter. Said hearing shall be scheduled to take place within a reasonable period of time following the date upon which notice of the Authority's request has been mailed to the District in question.

The District shall be accorded a full and meaningful opportunity to participate in said hearing and to therein present such evidence and/or testimony as may be material to the course of proceedings.

Following said hearing, the hearing officer shall write a memorandum of decision which shall include, but not be limited to, findings of fact and a statement of conclusion. Said memorandum of decision shall be rendered and mailed to the Authority and the District at their usual places of business in a timely fashion.

Said hearing officer's memorandum of decision shall be considered a final adjudication of the issues unless, within 30 days from the date of such decision, a party commences an action in the Superior Court of the State of Connecticut as provided by the Connecticut General Statutes.

Solid Waste which does not conform to such requirements as provided in Section 202 and Section 203, for the purposes of this Contract, is deemed not accepted by the System, whether or not delivered to the System.

Section 204. Non-Exclusive Use. The District shall not have any right or claim to the exclusive use of the System or any portion thereof.

### ARTICLE III SERVICE PAYMENTS

Section 301. Service Payments.

(a) The Authority will make and impose Service Payments with respect to all Solid Waste from the District delivered to and accepted by the Authority in accordance with this Contract.

(b) Not less than 180 days prior to the commencement of each Contract Year, the Authority shall develop the Annual Budget for such Contract Year, which shall include: (1) an estimate of the Service Payments to be paid by all the Member Municipalities; (ii) an estimate of other revenues to be received by the Authority; and, (iii) the per ton fee to be charged by the Authority. The Authority shall submit such information within the specified time to the Authorized Representative(s) of the District.

(c) The District, after the receipt of such estimate, shall make all budgetary and other provisions or appropriations necessary to provide for and to authorize the payment by the District to the Authority of the Service Payments as so estimated as the same become due and payable.

(d) All Service Payments and other Payments of the District under this Contract shall be deemed to be current operating expenses of the District.

(e) The District shall be obligated to make Service Payments pursuant to this Contract for the Authority's services of accepting Solid Waste delivered by the District pursuant to this Contract.

Section 302. Bills to District. On or before the fifteenth (15th) day following the end of any Billing Period for which payments are required to be made pursuant to Article II hereof, the Authority shall submit to the District a bill setting forth the Service Payments for such Billing Period. The Service Payments shall be equal to the sum of (i) the product of (a) the per ton fee charged by the Authority for Solid Waste delivered by

or on behalf of the Member Municipalities and (b) the number of tons of Solid Waste delivered by the District and (ii) any Additional Charges. On or before the thirtieth (30th) day following the date of invoice, the District shall pay to the Authority or its designee, the full amount of such Service Payments.

Section 303. Failure to Pay Bill. If payment in full of any bill rendered by the Authority is not made on or before the close of business on the thirtieth (30th) day following the date of invoice, a delayed-payment charge at the prime rate on the unpaid amount due will be made, as from time to time established by the commercial bank serving either as the Trustee or, in the event the Bonds shall not have been issued by such date, as designated by the Authority. If said thirtieth (30th) day is a Sunday or a holiday, the next following business day shall be the last day on which payment may be made without the addition of the delayed-payment charge. The Authority may, whenever any amount due remains unpaid subsequent to the thirtieth (30th) day after the due date (provided at least thirty (30) days' advance notice in writing has been given), discontinue accepting Solid Waste from the District until such bill and any subsequent payments which have become due are paid. No such discontinuance shall relieve the District from any of its obligations under this Contract.

ARTICLE IV  
COVENANTS BY AUTHORITY AND PLEDGE

Section 401. Records and Accounts. The Authority shall keep proper books of record and account (separate from all other records and accounts) in which complete and correct entries shall be made of the transactions of the Authority relating to the System, including records of the quantity, quality and other characteristics of Solid Waste delivered by the District and all other users of the System and accepted by the Authority. Such books shall at all reasonable times be subject to the inspection of the Authorized Representative(s) of the District.

Section 402. Scale and Tests. The Authority will provide, install and use scales or other devices or methods for determining the quantity, quality and other characteristics of all Solid Waste which shall be delivered and discharged into the System by the District and all other users of the System and accepted by the Authority.

Section 403. Right of Inspection. Subject to the provisions of the Operating Contract, the Authority covenants and agrees to permit duly Authorized Representative(s) of the District to enter the System at all times during usual business hours for the purpose of inspecting the same.

Section 404. Insurance. The Authority shall at all times maintain or cause to be maintained with responsible insurers all such insurance as is customarily maintained with respect to facilities of like character to the System and as may be



reasonably required and obtainable within limits and at costs deemed reasonable by the Authority against loss or damage to the System, against use and occupancy, and against public and other liability to the extent at least reasonably necessary to protect the interest of the Authority and each of the Municipalities.

Section 405. Certain Provisions Conditional. The provisions of this Contract requiring expenditure of monies by the Authority shall be subject to the condition that the Authority shall have monies legally available for such purposes, and no monetary liability on account thereof shall be incurred by the Authority beyond monies legally available for such expenditures. The Authority shall not be deemed to be in default of this Contract if the construction or operation of the System shall be delayed or interrupted by the inability of the CRRA or others to issue Bonds to secure needed labor or materials, or by stormy or inclement weather which delays completion or impairs operation of the Project, or by strikes, labor disputes, lockouts or like trouble among personnel which delay construction or impair operation of the System, or by acts of God or the common enemy, or by acts of neglect of the District or its agents or employees, or by regulations or restrictions imposed by any governmental agency or authority, or by fire or other similar catastrophe or other similar delay beyond the control of the Authority, its agents or contractors.

Section 406. Effect of Breach. Failure on the part of the Authority in any instance or under any circumstances to observe or fully perform any obligation assumed by or imposed upon it by the Contract or by law shall not make the Authority liable in damages to the District or, so long as the Authority shall render the service of accepting Solid Waste delivered by the District pursuant to this Contract, relieve the District of its obligations to make payments pursuant hereto or to fully perform any other obligation required of it under the Contract. The Authority specifically recognizes that the District is entitled to sue the Authority for injunctive relief, mandamus, specific performance or to exercise such other legal or equitable remedies, not herein excluded, to enforce the obligations and covenants of the Authority under this Contract. The District specifically understands that Operating Contracts are not intended to confer upon any person other than the Operator, the Authority, CRRA or the Trustee any rights or remedies by reason of such Operating Contracts except as expressly provided therein. Notwithstanding the foregoing, the District shall have the option to terminate this Contract upon written notice to the Authority in the event the Authority is unwilling or unable to perform its obligations under this Contract for a continuous period of six months.

Section 407. Pledge. In accordance with the Act the Authority hereby includes the following pledge and undertaking:

The Authority hereby pledges to and agrees with the District and with any assignee of any right of the Authority under this contract that the Authority will not limit or alter the rights hereby vested in the Authority until this Contract is fully performed on the part of the Authority; provided nothing contained in this Section shall preclude such limitation or alteration if and when adequate provision shall be made by law for the protection of the District and any such assignee.

ARTICLE V  
MISCELLANEOUS

Section 501. Effective Date and Duration of Contract -  
Extension Option.

(a) This Contract shall be in full force and effect and be legally binding upon the Authority and the District upon its execution by the Authority and the District.

(b) The term of this Contract and each and every provision hereof shall remain in full force and effect so long as any Bond or Bonds or any sums for interest or principal thereon remain outstanding or an Operating Contract continues to be in effect, whichever is later, but in no event later than thirty (30) years from the effective date of this Contract.

Section 502. Solid Waste Segregation Programs. The Authority and the District agree that no provision of this Contract as initially executed is intended to either discourage or prohibit either voluntary or locally ordained Solid Waste segregation or recycling programs or the sale of such segregated or recycled materials.

Section 503. Obligation of District to Make Payments. The District hereby pledges its full faith and credit for the payment of all Service Payments to be made pursuant to this Contract and any other payments including delayed-payment charges and costs and expenses of the Authority, and its representatives in collecting overdue payments to be made by the District under this Contract. The District agrees that its obligation to make any such Service Payments and such other payments in the amounts and at the times herein specified, whether to the Authority or the Trustee, shall be absolute and unconditional, shall not be subject to any setoff, counterclaim, recoupment, defense (other than payment itself) or other right which the District may have against the Authority, the Trustee or any other person for any reason whatsoever, shall not be affected by any defect in title, compliance with the plans and specifications, condition, design, fitness for use of, or any damage to or loss or destruction of, the System or any part thereof, or by any interruption or cessation in the possession, use or operation of the System or any part thereof by the

Authority or the Operator for any reason whatever, except that the District shall not be obligated to make Service Payments if the Authority does not render the service of accepting Solid Waste delivered by the District pursuant to this Contract.

Section 504. Default of the District and Remedies of Authority. The Authority shall have all the remedies prescribed by law and by this Contract for the enforcement of collection of any payments to be made by the District under this Contract, including the right to refuse to accept Solid Waste from the District. Notwithstanding the initiation or continuance of any of such remedies, the District shall remain obligated to make the payments required to be made by it under this Contract. The District shall be deemed to be in default hereunder if for a period of thirty (30) days after the due date of any payment by it hereunder the District shall fail to pay the full amount of such payment.

Section 505. Levy on Taxes and Cost Sharing or Other Assessment. To the extent that the District shall not make provisions or appropriations necessary to provide for and authorize the payment by the District to the Authority of the payments required to be made by it hereunder, the District shall levy and collect such general or special taxes or cost sharing or other assessments as may be necessary to make such payments in full when due hereunder.

Section 506. Enforcement of Collections. The District will diligently enforce or levy and collect all taxes, cost sharing or other assessments or fees, rentals or other charges for the collection of Solid Waste, and will take all steps, actions and proceedings for the enforcement and collection of such taxes, cost sharing or other assessments or fees, rentals or other charges lawfully levied, which shall become delinquent, to the full extent permitted by the laws of the State of New York.

Section 507. Disputes on Billing. In the event of any dispute as to any portion of any bill, the District shall nevertheless pay the full amount of the disputed charges when due and shall, within thirty (30) days from the date of the disputed bill, give written notice of the dispute to the Authority. Such notice shall identify the disputed bill, state the amount in dispute and set forth a full statement of the grounds on which such dispute is based. No adjustment shall be considered or made for disputed charges until notice is given as aforesaid. The provisions for dispute resolution as set forth in Section 517 hereof shall apply to any such unresolved dispute.

Section 508. Limitations Upon Consent. Whenever under the terms of this Contract the Authority is authorized to give its written consent, the Authority in its discretion may give or may refuse such written consent and, if given, may restrict, limit, or condition such consent in such manner as it shall deem advisable.

Section 509. Form of Consent. All consents of any party required under this Contract shall be given in writing. Whenever under the terms of this Contract the Authorized Representative(s) of the District is authorized to give consent, such consent may be given and shall be conclusively evidenced in such manner as is required by law. Whenever, under the terms of this Contract, the Authority is authorized to give its consent, such consent may be given and shall be conclusively evidenced by a certified copy, executed by its President, of a duly authorized act of the Authority giving such consent.

Section 510. Notices, Documents and Consents. All notices required to be given or authorized to be given by any party pursuant to this Contract shall be in writing and shall be served personally or sent by certified or registered mail to the Authorized Representative (s) of the District and the President of the Authority.

Section 511. Conformity with Laws. Each party hereto agrees to abide by and to conform to all applicable laws of the United States of America, the State or any political subdivision thereof having any jurisdiction in the premises. Nothing in this Section contained, however, shall require any party hereto to comply with any law the validity or applicability of which shall be contested in good faith and, if necessary or desirable, by appropriate legal proceedings.

Section 515. Severability. If any provision of this Contract shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such provision shall not affect any of the remaining provisions of this Contract and this Contract shall be construed and enforced as if such invalid or unenforceable provision had not been contained herein.

Section 516. Resolution of Dispute.

(a) All disputes, disagreements and questions arising between the parties to this Contract shall be adjudicated, either by arbitration or litigation, as provided in sub-section (b) below. Whether or not specific provision is hereinbefore made, arbitration shall be conducted in the manner specified in this Section.

(b) Each party shall give written notice to the other of the existence and nature of any dispute in sufficient detail and shall choose either arbitration or litigation as the dispute resolution mechanism. If, within fifteen (15) days, the dispute is not resolved to the satisfaction of both parties or the parties cannot agree upon litigation or arbitration, then either party may initiate litigation. If arbitration is mutually agreed upon, the party serving notice of such dispute shall appoint a person to serve as one of the arbitrators and so advise the other party in writing. Within fifteen (15) days thereafter, the other party shall by written notice appoint a second person as an arbitrator



and the two thus appointed shall select a third arbitrator to serve as Chairman of the panel of arbitrators; and such three arbitrators shall as promptly as possible determine such matters by majority vote; provided, however, if the two arbitrators appointed by the parties shall be unable to agree upon the appointment of the third arbitrator within fifteen (15) days after the appointment of the second arbitrator, both shall give written notice of such failure to agree to the parties, and, if the parties fail to agree upon the selection of such third arbitrator within fifteen (15) calendar days after the arbitrators appointed by the parties give notice as aforesaid, then within ten (10) calendar days thereafter any one of the parties upon written notice to the other party may request such appointment from and pursuant to the rules of the American Arbitration Association.

(c) Any party hereto shall be entitled to present evidence and argument to the arbitrators. Such arbitration shall be held in the County of New London, State of Connecticut in accordance with the prevailing rules of the American Arbitration Association.

(d) The arbitrator or arbitrators shall have the right only to interpret and apply the terms of this Contract and may not change any such terms or deprive any party hereto of any right or remedy provided in this Contract.

(e) The determination of the majority of the arbitrators shall be conclusive upon the parties and judgment upon the same may be entered in any court having jurisdiction thereof. The majority of the arbitrators shall give written notice to the parties stating their determination and shall furnish to each party a copy of such determination signed by them or him.

(f) The expenses of arbitration shall be borne equally by the parties to the arbitration, except if otherwise determined for good cause by the arbitration panel. The arbitration expenses to be paid by the parties under this Section shall be limited to the fees of the arbitrators, administration costs of the arbitration hearings and similar items. Each party shall pay its own direct costs with respect to the arbitration such as counsel fees, expert witness fees and similar items.

(g) During the pendency of the arbitration the parties hereto will continue to perform their respective obligations under this Contract.

Section 517. Execution of Documents. This Contract shall be executed in one (1) or more counterparts, any of which shall be regarded for all purposes as an original and all of which constitute but one and the same instrument. Each party agrees that it will execute any and all deeds, documents or other instruments, and take such other action as is necessary to give effect to the terms of this Contract.

Section 518. Waiver. No waiver by either party of any term or condition of this Contract shall be deemed or construed as a waiver of any other term or condition, nor shall a waiver or any breach be deemed to constitute a waiver of any other breach, whether of the same or a different section, subsection, paragraph, clause, phrase, or other provisions of this Contract. Making payments pursuant to this Contract during the existence of a dispute shall not be deemed to and shall not constitute a waiver of any claims or defenses of the party making such payment.

Section 519. Remedies. Except as limited herein and if permitted by law, this Contract shall be specifically enforceable by any party hereto.

Section 520. Governing Law. THIS AGREEMENT SHALL BE GOVERNED BY THE LAW OF THE STATE OF CONNECTICUT.

Section 521. Entirety. This Contract merges and supersedes all prior negotiations, representations, and agreements between the parties hereto relating to the subject matter hereof and constitutes the entire agreement between the parties hereto in respect thereof.

#### ARTICLE VI

#### ADDITIONAL PROVISIONS FOR SOLID WASTE PROCUREMENT CONTRACTS

Section 601. Termination by Authority. Notwithstanding Section 501, the Authority may terminate this contract upon at least three years' prior written notice, provided that no such

termination or reduction shall be effective until at least ten (10) years has elapsed from the Commercial Operation Date. The Authority shall select in its sole discretion which of the Municipalities or other entities which executed contracts for Solid Waste Procurement after January 1, 1987 should have their contracts terminated pursuant to this Section 601.

Section 602. Delivery of Solid Waste. The District shall deliver their Solid Waste to the Facility at its own cost and shall not receive any reimbursement for transportation expenses. The District understands and acknowledges that the Annual Budget may include costs or reimbursements of Member Municipalities for transporting and delivering Solid Waste to the System, provided that the portion of the Service Payment attributable to such costs or reimbursements, expressed on a rate per ton basis, shall not exceed two dollars (\$2.00) per ton in the first Contract Year and shall not exceed the "Ceiling Amount" calculated as set forth below in subsequent Contract Years. The "Ceiling Amount" shall be two dollars (\$2.00) per ton, adjusted by the percentage change in the Consumer Price Index between June 30 of the calendar year preceding the year in which the first Contract Year ends, and June 30 of the year in which the Contract Year in question begins. For the purposes of this section, the Consumer Price Index shall be the Index for Cities published by the Bureau of Labor Statistics of the United States Department of Labor or any successor index which reasonably measures the change in the cost of living in the State of Connecticut.

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed by their duly authorized officials as of the day and year first hereinabove set forth.

WITNESS

Teri A. Young  
Dec. 30, 1991

FISHERS ISLAND GARBAGE &  
REFUSE DISTRICT

Howard Howard

Chief Executive Officer  
Duly Authorized

(SEAL)

WITNESS

Walter Blankens  
John L. Triviere

SOUTHEASTERN CONNECTICUT REGIONAL  
RESOURCES RECOVERY AUTHORITY

Edward D. Steward  
Edward D. Steward  
President  
Duly Authorized

serra\muncon\fishers:3:jmi



April 12, 2018

Ms. Beth Stern  
Business Manager  
Fishers Island Waste Management District  
P.O. Box 22  
Fishers Island, NY 06390

**Re: Solid Waste Contract Between SCRRRA and Fishers Island Garbage and Refuse District**

Dear Ms. Stern:

The Board of the Southeastern Connecticut Regional Resources Recovery Authority (SCRRRA) recently reviewed the status of the above referenced Agreement between SCRRRA and Fishers Island Garbage and Refuse District (Fishers).

In your email of March 16, 2018, you questioned whether Fishers had an agreement with SCRRRA. It appears from reviewing the Agreement in our files (copy enclosed for your reference) that there is a current agreement which by its terms has a termination date of January 9, 2022.

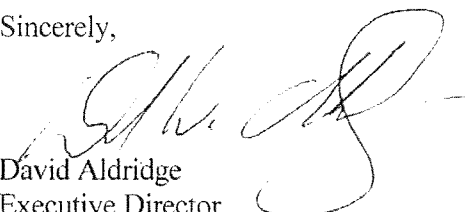
The Board also reviewed the matter of the tip fees which Fishers has been paying. While they are the same as the tip fees which SCRRRA Member Towns have been paying, the SCRRRA Member Towns have been financially subsidizing that tip fee level. Fishers has been an unintended beneficiary of this subsidy.

For this reason, the Board sends this letter as Notice of Termination pursuant to Section 601 of the Agreement. With this three-year notice requirement, please consider the termination effective May 1, 2021.

Perhaps in lieu of a termination, if Fishers is interested, the Board would be willing to consider an Amendment to the Agreement which would address the aforementioned subsidy issue.

Please feel free to contact me with any questions or concerns you may have.

Sincerely,

  
David Aldridge  
Executive Director

7 Hurlbutt RD, Gales Ferry, CT 06335  
P: (860) 381-5558 F: (860) 381-5948

[www.scrrra.org](http://www.scrrra.org)  
Printed on recycled paper

**Sterling  
Superior  
Services**

P.O. Box 62, Bozrah CT 06334-0062 Phone: 860-642-7351  
Fax: 860-642-7219

AGREEMENT

This agreement is entered into this 1<sup>st</sup> day of January, 2018, between Fishers Island Waste Management, Fishers Island, New York and Sterling Superior Services, Bozrah, CT and witnesses the following:

1. The Term of the Agreement shall be from January 1, 2018 through December 31, 2018.
2. During the Term of this Agreement, Sterling Superior Services agrees to haul and dispose of all Municipal Solid Waste, Recycling Material and Bulky Material from Fishers Island Transfer Stations, see attached.

We would like to thank the committee for their consideration to Sterling Superior Services. It has been a pleasure and privilege to service the trash/recycling removal for Fishers Island and we look forward to continuing that service for you.

Dated 1/25/18

By [Signature]  
Fishers Island Waste Management

Dated 2/14/18

By [Signature]  
Sterling Superior Services

**APPENDIX 3**  
**District Financial Information (FY 2017 and FY 2018)**



**FISHERS ISLAND WASTE MANAGEMENT DISTRICT  
BUDGET FOR FISCAL YEAR 2017**

4000-00 · COMPOST STATION INCOME	\$50,000
4015-00 · INVESTMENT DIVIDENDS & INT.	\$3,400
	<b>\$53,400</b>
6000- · PAYROLL EXPENSE-	
6000-00 · SALARIES & WAGES	\$309,225
6000-02 · DISABILITY/GUARDIAN	\$375
6000-04 · EMPLOYEE HEALTH INSURANCE	\$104,120
6000-09 · EMPLOYER 401K	\$3,000
6000-10 · PAYROLL TAX EMPLOYER SS	\$19,200
6010-00 · PAYROLL TAX NY EMPLOYMENT TAX	\$7,000
6302-00 · EMPLOYEE TRAINING	\$4,000
6360-02 · INSURANCE - WORKERS COMP	\$12,000
6000- · PAYROLL EXPENSE/OTHER	\$325
<b>TOTAL 6000- · PAYROLL EXPENSE</b>	<b>\$459,245</b>
6099-00 · OPERATING COSTS	
6100-00 · FERRY TRANSPORT	\$60,000
6150-00 · TRANSFER STATION HAULING FEES	\$25,000
6200-00 · COMPOST STATION HAULING	\$33,000
6250-00 · GARBAGE TIPPING FEES	\$19,000
<b>Total 6099-00 · OPERATING COSTS</b>	<b>\$137,000</b>
6299-00 · COMMISSION	
6300-00 · COMMISSIONER FEES	\$10,000
6301-00 · COMMISSION EXPENSE	\$3,000
<b>Total 6299-00 · COMMISSION</b>	<b>\$13,000</b>
6360-00 · INSURANCE	
6360-01 · LIABILITY	\$9,000
6360.02 · PROPERTY	\$4,500
6360.03 · EQUIPMENT	\$8,000
6360.04 · PUBLIC OFF LIABILITY & BONDS	\$3,370
<b>Total 6360-00 · INSURANCE</b>	<b>\$24,870</b>
6380-00 · PROFESSIONAL FEES	
6380-01 · ACCOUNTING	\$11,000
6380-02 · LEGAL	\$10,000
6380-03 · CONSULTING	\$100,000
<b>Total 6380-00 · PROFESSIONAL FEES</b>	<b>\$121,000</b>

6499-00 · OTHER OPERATING EXPENSES	
6500-00 · BUILDING MAINTENANCE	\$3,500
6510-00 · BUILDING UTILITIES	\$8,000
6520-00 · OFFICE SUPPLIES	\$3,500
6530-00 · ADVERTISING	\$500
6535-00 · SUBSCRIPTIONS	\$120
6600-00 · TRANSFER STATION UTILITIES	\$3,500
6620-00 · TRANSFER STATION MAINTENANCE	\$4,000
6630-00 · COMPOST UTILITIES	\$2,800
6640-00 · COMPOST IMPROVEMENTS	\$1,500
6650-00 · COMPOST MAINTENANCE	\$3,215
6653-00 · SHOP	\$2,000
6654-00 · COMPACTOR/DUMPSTER MAINTENANCE	\$1,000
6655-00 · HEAVY EQUIPMENT MAINTENANCE	\$10,000
6657-00 · EQUIPMENT RENTAL	\$10,000
<b>Total 6499-00 · OTHER OPERATING EXPENSES</b>	<b>\$53,635</b>
6690-00 · BANK FEES	
6690-01 · CITIZENS FEES	\$450
6690-04 · RBS MO FEE	\$2,250
6690-06 · MORGAN STANLEY CHANGE IN VALUE	\$400
<b>Total 6690-00 · BANK FEES</b>	<b>\$3,100</b>
6900-00 · MISCELLANEOUS EXPENSE	
6002-00 · INTERCOASTAL CLEANUP	\$300
6900-00 · MISCELLANEOUS EXPENSE/OTHER	\$850
<b>TOTAL 6900-00 · MISCELLANEOUS EXPENSE</b>	<b>\$1,150</b>
<b>TOTAL EXPENSE</b>	<b>\$813,000</b>
<b>INCOME</b>	<b>\$53,400</b>
<b>FUNDING FROM FUND BALANCE</b>	<b>\$193,052</b>
	<b>\$566,548</b>

**REQUEST FROM TOWN OF SOUTHOLD FOR  
 FISHERS ISLAND WASTE MANAGEMENT DISTRICT  
 FOR 2017 BUDGET  
 \$566,548**

School Districts 2016/17

Rates per \$1,000 Assessed Valuation

School District	Code	Assessed Valuation	Rate** per IM	Estimated State Aid	Levy
Orient-E. Marion	473802	13,590,314	375.893	327,996	5.114,056
Fishers Island	473804	8,487,051	376.942	290,352	3,200,363
Southold	473805	30,159,137	847.961	1,953,306	25,604,343
Greenport	473810	15,672,628	879.077	1,525,895	13,780,531
Mattituck	473812	39,817,534	894.241	2,800,000	35,636,005
New Suffolk	473815	2,415,401	330.262	2,000	798,471

\*\* Library budgets and rates listed under LIBRARY DISTRICTS on previous page.

The Board of Assessors Office does all of the computations on your tax bill. If you have any questions regarding assessments, veteran's exemptions, senior citizen exemptions, farm exemptions, clergy exemptions, STAR exemptions, disability exemptions or the computation of a rate, please call their office at (631) 765-1937, or write to Southold Town, Board of Assessors, Main Road, PO Box 1179 Southold, NY 11971.

You may also visit the Southold Town Website at: <http://www.southoldtownny.gov> If you have any questions about the Town Rate, please call the Supervisor's Office at (631) 765-1800.

If you have any questions about the County Rate, please call the County Legislature's Office at (631) 853-4070.

The Town of Southold acts merely as an agent for the collection of school taxes. If you have any questions about the School Rate, please call the School Superintendent in your area.

473802 Orient- E. Marion Greenport  
 473804 Fishers Island Mattituck-Cutchogue-Laurel  
 473805 Southold New Suffolk

Oysterponds UFSD – 23405 Main Rd, Orient, NY 11957

Richard Malone -- (631) 323-2410

Fishers Island School – 78 Greenwood Rd #600, F I, NY 06390

Karen Goodwin -- (631) 788-7444

Southold UFSD – Oaklawn Ave, PO Box 470, Southold, NY 11971

David Gamberg -- (631) 765-5400

Mattituck-Cutchogue UFSD – 385 Depot Ln, Cutchogue, NY 11952

Anne Smith – (631) 298-8460

Greenport UFSD – 720 Front Street, Greenport, NY 11944

David Gamberg - (631) 477-1950

New Suffolk Common School – 1295 4<sup>th</sup> Street, New Suffolk, NY 11956

(631) 734-6940

TOWN OF SOUTHOLD

December 1, 2016 to November 30, 2017

(Equalization Rate 1.08%)

GENERAL TOWN & COUNTY (47-38-00) State Wide Information System SWIS

Amount of taxes to be raised for State & County	18.177	4,205,898
Suffolk County Tax Rate	18.177	
Suffolk County - NYSRPTL	19.953	
Suffolk County – MTA Payroll Tax	.609	
Suffolk County – Out of Cty SCCC	2.027	
Valuation of Town Outside Incorporated Village		103,274,212
Valuation of Greenport Village		5,018,205
Town Rate for Greenport Village	234.875	

TOWN BUDGET	VALUATION	TAX RATE	TAX LEVY
Highway	103,274,212	58.874	6,080,110
General Fund Townwide	108,292,417	234.875	25,530,030
Part Town General Fund	103,274,212	7.512	775,754
Town Rate & Town Budget		301.261	32,385,894

SPECIAL DISTRICTS

FIRE DISTRICTS	VALUATION	TAX RATE	TAX LEVY
FD025 Orient	7,236,136	87.601	635,045
FD026 East Marion	6,541,231	77.881	509,437
FD027 Fishers Island	8,450,551	47.553	402,000
FD028 Southold	31,162,534	60.448	1,883,884
FD029 Cutchogue	19,749,190	75.671	1,494,655
FD030 Mattituck	23,501,785	82.237	1,932,956
FD031 E-W Protection	10,286,695	73.817	759,329

PARK DISTRICTS

PK065 Orient-East Marion	13,777,367	3.191	44,000
PK070 Southold	17,810,162	18.399	327,726
PK071 Mattituck	23,502,585	17.885	420,391
PK090 Cutch-New Suffolk	19,738,890	7.092	140,000

MISCELLANEOUS DISTRICTS

OM060 Orient Mosquito District	7,598,336	12.220	93,000
FF080 Fishers Island Ferry	8,450,551	95.122	804,137
FG081 Fishers Island Garbage	8,450,551	67.017	566,548
SW011 Solid Waste	103,903,251	17.454	1,813,927
OB001 Orient by the Sea Rd	Per Parcel	93.346	2,427

LIBRARY DISTRICTS

OL037 Orient-E. Marion	13,590,314	35.855	487,790
FL038 Fishers Island	8,487,051	6.007	51,000
GL039 Greenport	15,672,628	35.937	563,350
SL042 Southold	30,159,137	28.716	867,000
CL040 Cutchogue	17,010,784	82.796	1,409,086
ML041 Mattituck	22,806,750	60.432	1,379,247
NL044 New Suffolk	2,415,401	80.629	194,879

EXAMPLE OF TAX BREAKDOWN  
ACCOUNT # 1

District Name	TOTAL TAX RATE
School 473802 - Orient	375.893
Library	35.855
Southold Town	301.261
MTA Payroll Tax	.609
NYSRPTL	19.953
Out of Cty SCCC	2.027
Suffolk County	18.177
FD025 Orient Fire District	87.601
PK065 Orient-E. Marion Park District	3.191
OM060 Orient Mosquito District	12.220
SW011 Solid Waste District	17.454
WC021 Waste Water District	(.187)
TOTAL TAX RATE of above District Breakdown	874.054

HOW TO CALCULATE TAXES

Take your assessed value (displayed on tax bill in box labeled assessed value) divide by \$1000 and multiply by the total tax rate. Example: Assessed value of \$5000 ÷ \$1000 = 5  
5 × \$874.054 (Total tax rate of Acct #1) = \$ 4,370.27 Total Tax

IMPORTANT EXEMPTION INFORMATION

HOW TO CALCULATE:

**VETERAN'S EXEMPTION:** Exempt from town and county times amount of assessed valuation shown on tax bill in box labeled Veterans exemption. Subtract this amount from your computation of total tax, as described in tax computation.  
**THIRD PARTY NOTICE:** If you are either 65 years of age or older, or disabled and you own and occupy a one or two family residence, you may designate a consenting adult third-party to receive duplicate copies of your tax bills and notices of unpaid taxes until further notice. Applications may be obtained in person from your tax-collecting officer, or by mail if you include a self-addressed stamped envelope. Applications for third-party notifications must be filed with the tax-collecting officer no later than October 1.

**CLERGY EXEMPTION:** First \$1500 of assessed valuation exempt on school, town and county tax. Subtract \$1500 from box labeled assessed valuation, then multiply by the correct mill rate.

**OVER 65 EXEMPTION:** This exemption may apply to county and/or town/highway and/or school taxing jurisdictions. The taxable value for any of these tax purposes is 50% of full value. Below are the qualifications for 2017/18:

- 65 years of age or over
- Maximum combined income \$37,400
- Minimum of one year ownership of property
- Must be legal residence of all owners

**STAR EXEMPTION:** This exemption applies to school tax jurisdictions. This is a fixed amount exemption.

ENHANCED STAR REQUIREMENTS for 2017/18

- 65 years of age or over
- Maximum combined income \$86,000
- Must be primary residence in the Town of Southold

BASIC STAR REQUIREMENT:

- Must be primary residence in the Town of Southold
- Maximum combined income of \$500,000

**OTHER EXEMPTIONS:** The box marked oth. exempt. refers to exempt amount other than aged or veterans. Codes used: BUS=Business, AG=Agricultural, (Total building and/or land), SE=Solar Energy, MIN=Ministers.

DISABILITIES EXEMPTION:

- Documented evidence of the disability
- Maximum combined income of less than \$37,400
- Must be legal residence and be occupied by the person with the disability

EXPLANATION OF ACCOUNT NUMBERS

Individual total mill rates (per thousand dollars of assessed valuation) for the entire township as per account (#s 1-43). To get individual tax rates for Town, County, School, Fire, Park and Misc. Districts, see cover page to calculate breakdown of total mill rate using appropriate District associated with your Acct #.

BOARD OF ASSESSORS, Town of Southold  
Kevin W. Webster, Chairman  
Robert I. Scott, Jr., Assessor  
Richard L. Caggiano, Assessor

A	c	c	t	#	Solid Waste	School Dist	MTA County	Fire Dist	Park Dist	M I S C. D I S T R I C T S	W	C	Total Tax Rate														
1	2	3	4	6	7	8	10	11	12	13	14	17	18	19	20	23	24	31	32	33	34	35	36	37	38	42*	43
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
473802	473802	473802	473802	473804	473804	473805	473805	473805	473810	473810	473812	473810	473810	473810	473810	473815	473815	473802	473810	473810	473805	473805	473812	473812	473815	473802	473802
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
FD025	FD026	FD026	FD026	FD027	FD028	FD028	FD029	FD029	FD031	FD028	FD030	FD031	FD028	RPTL	FD029	FD025	FD031	RPTL	RPTL	FD028	FD028	FD029	FD030	FD029	FD025	FD025	FD025
PK065	PK065	PK065	PK065	FF080	PK070	PK070	PK090	PK090	PK071	PK090	PK071	PK090	PK090	V	PK090	PK065	PK065	V	V	PK070	PK070	PK090	PK071	PK090	PK065	PK065	PK065
OM060	OM060	OM060	OM060	FF080	PK070	PK070	PK090	PK090	PK071	PK090	PK071	PK090	PK090	V	PK090	PK065	PK065	V	V	PK070	PK070	PK090	PK071	PK090	PK065	PK065	PK065
OL037	OL037	OL037	OL037	FL038	FL038	SL042	SL042	SL042	ML041	GL039	GL039	GL039	GL039	GL039	NL044	NL044	OL037	GL039	GL039	SL042	SL042	SL042	CL040	ML041	NL044	OB001	OL037
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
874.054	771.229	864.334	852.114	934.668	724.976	1314.818	1296.419	1236.158	1414.089	1348.125	1334.756	1274.495	1208.109	852.948	770.372	874.241	1348.312	1207.922	1315.005	1296.606	1419.281	1414.276	853.135	874.054	753.775		

\* Add an additional \$93,346 to the total tax for the Orient by the Sea Road District.

FIWMD FISCAL YEAR 2018 BUDGET

Ordinary Income/Expense

Income

4000-00 · COMPOST STATION INCOME	50,000
4010-00 · TAX INCOME	
4015-00 · INVESTMENT DIVIDENDS & INT.	3,400
4300-00 · MISCELLANEOUS INCOME	

Total Income

**53,400**

Expense

6000- · Payroll Expense-

6000-00 · SALARIES & WAGES	380,000
6000-02 · Disability-Guardian	375
6000-04 · EMPLOY. HEALTH INSURANCE	109,120
6000-09 · EMPLOYER 401K	4,000
6000-10 · Payroll tax expense EMPLOYER SS	24,000
6000 · PAYROLL EXP OTHER	325
6010-00 · PAYROLL TAXES-NY EMPLOYMENT TAX	7,000
6302-00 · EMPLOYEE TRAINING	6,000
6360-02 · INSURANCE - WORKERS COMP	12,000
6000- · Payroll Expense- - Other	5,000

Total 6000- · Payroll Expense-

**547,820**

6099-00 · OPERATING COSTS

6100-00 · FERRY TRANSPORT	60,000
6150-00 · TRANSFER STN HAULING FEES	25,000
6200-00 · COMPOST STATION HAULING	33,000
6250-00 · GARBAGE TIPPING FEES	19,000

Total 6099-00 · OPERATING COSTS

**137,000**

6299-00 · COMMISSION

6300-00 · COMMISSIONER FEES	10,000
6301-00 · COMMISSION EXPENSE	3,000

Total 6299-00 · COMMISSION

**13,000**

6360-00 · INSURANCE

6360-01 · LIABILITY	9,000
6360.02 · PROPERTY	4,500
6360.03 · EQUIPMNT	8,000
6360.04 · PUBLIC OFF LIABILITY & BONDS	3,370

Total 6360-00 · INSURANCE

**24,870**

6380-00 · PROFESSIONAL FEES

6380-01 · ACCOUNTING	11,000
6380-02 · LEGAL	10,000
6380-03 · CONSULTING	100,000

Total 6380-00 · PROFESSIONAL FEES

**121,000**

<b>6499-00 · OTHER OPERATING EXPENSES</b>	
6500-00 · BUILDING MAINTENANCE	3,500
6510-00 · BUILDING UTILITIES	<u>3,500</u>
6510.06 · BUILDING FO	2,500
6510-00 · BUILDING UTILITIES - Other	<u>3,000</u>
<b>Total 6510-00 · BUILDING UTILITIES</b>	<b>5,500</b>
6520-00 · OFFICE SUPPLIES	3,500
6530-00 · ADVERTISING	500
6535-00 · SUBSCRIPTIONS	120
6600-00 · TRANSFER STATION UTILITIES	3,500
6620-00 · TRANS. STN.MAINTENANCE	4,000
6630-00 · COMPOST UTILITIES	3,000
6640-00 · COMPOST IMPROVEMENTS	1,550
6650-00 · COMPOST MAINTENANCE	3,215
6653-00 · SHOP	2,000
EQUIP FO	2,500
6654-00 · COMPACTOR/DUMPSTER MAINTENANCE	4,000
6655-00 · HEAVY EQUIP. MAINTENANCE	15,000
6657-00 · EQUIPMENT RENTAL	<u>10,000</u>
<b>Total 6499-00 · OTHER OPERATING EXPENSES</b>	<b>52,885</b>
<b>6690-00 · BANK FEES</b>	
6690-01 · CITIZENS FEES	450
6690-04 · RBS MO FEE	2,250
6690-06 · MORGAN STANLEY CHANGE IN VALUE	400
6690-07 · LATE FEE CC	
<b>Total 6690-00 · BANK FEES</b>	<b>3,100</b>
66900 · Reconciliation Discrepancies	
6900-00 · Miscellaneous Expense	
6002-00 · INTERCOASTAL CLEANUP	300
6900-00 · Miscellaneous Expense - Other	
<b>Total 6900-00 · Miscellaneous Expense</b>	<b>300</b>
<b>Total Expense</b>	<b>908,975</b>
<b>Net Ordinary Income</b>	
<b>Net Income</b>	

FUND FROM TAXES		
EXPENSES		908,975
INCOME		53,400
		<u>855,575</u>

**TOWN OF SOUTHDOLD**  
 December 1, 2017 to November 30, 2018  
 (Equalization Rate 1.01%)  
**GENERAL TOWN & COUNTY** (47-38-00) State Wide Information System SWIS

Amount of taxes to be raised for State & County	19,068	2,823,041
Suffolk County Tax Rate	6.134	
Suffolk County - NYSRPTL	.619	
Suffolk County – MTA Payroll Tax	1.378	150,626
Suffolk County – Out of Cty SCCC		103,857,472
Valuation of Town Outside Incorporated Village		
Valuation of Greenport Village		5,043,505
Town Rate for Greenport Village	239.345	

TOWN BUDGET	VALUATION	TAX RATE	TAX LEVY
Highway	103,857,472	58.624	6,088,491
General Fund Townwide	108,900,977	239.345	26,156,931
Part Town General Fund	103,857,472	6.894	715,988
Town Rate & Town Budget		304.863	32,961,410

SPECIAL DISTRICTS			
FIRE DISTRICTS			
FD025 Orient	7,334,545	88.085	646,255
FD026 East Marion	6,605,068	77.525	512,100
FD027 Fishers Island	8,429,224	48.546	409,200
FD028 Southold	31,251,749	62.123	1,942,020
FD029 Cutchogue	19,854,841	80.524	1,599,095
FD030 Mattituck	23,615,223	84.015	1,984,237
FD031 E-W Protection	10,295,350	76.267	783,267

PARK DISTRICTS			
PK065 Orient-East Marion	13,939,613	2.941	41,000
PK070 Southold	17,857,922	18.342	327,726
PK071 Mattituck	23,635,623	11.972	283,000
PK090 Cutch-New Suffolk	19,824,941	6.556	130,000

MISCELLANEOUS DISTRICTS			
OM060 Orient Mosquito District	7,712,845	12.055	93,000
FF080 Fishers Island Ferry	8,429,224	98.010	826,140
FG081 Fishers Island Garbage	8,429,224	101.502	855,575
SW011 Solid Waste	104,398,836	19.141	1,998,649

LIBRARY DISTRICTS			
OL037 Orient-E. Marion	13,777,012	33.186	457,628
FL038 Fishers Island	8,465,724	6.025	51,000
GL039 Greenport	15,659,676	33.195	520,184
SL042 Southold	30,244,616	34.516	1,045,000
CL040 Cutchogue	17,057,402	84.453	1,441,394
ML041 Mattituck	22,949,106	61.547	1,414,243
NL044 New Suffolk	2,460,637	81.008	199,347

School District	Code	Assessed Valuation	Rate** per IM	Estimated State Aid	Levy
Orient-E. Marion	473802	13,777,012	372.653	327,863	5,138,562
Fishers Island	473804	8,465,724	378.038	289,541	3,200,363
Southold	473805	30,244,616	858.387	1,998,066	25,994,058
Greenport	473810	15,659,676	912.872	1,581,631	14,304,000
Mattituck	473812	40,006,508	889.905	2,800,000	35,641,831
New Suffolk	473815	2,460,637	345.562	2,000	850,375

\*\* Library budgets and rates listed under LIBRARY DISTRICTS on previous page.

The Board of Assessors Office does all of the computations on your tax bill. If you have any questions regarding assessments, veteran's exemptions, senior citizen exemptions, farm exemptions, clergy exemptions, STAR exemptions, disability exemptions or the computation of a rate, please call their office at (631) 765-1937, or write to Southold Town, Board of Assessors, Main Road, PO Box 1179 Southold, NY 11971.

You may also visit the Southold Town Website at: <http://www.southoldtownny.gov>

If you have any questions about the Town Rate, please call the Supervisor's Office at (631) 765-1800.

If you have any questions about the County Rate, please call the County Legislature's Office at (631) 853-4070.

The Town of Southold acts merely as an agent for the collection of school taxes. If you have any questions about the School Rate, please call the School Superintendent in your area.

- 473802 Orient- E. Marion Greenport
- 473804 Fishers Island Mattituck-Cutchogue-Laurel
- 473805 Southold New Suffolk

- Oysterponds UFSD – 23405 Main Rd, Orient, NY 11957
- Richard Malone -- (631) 323-2410
- Fishers Island School – 78 Greenwood Rd #600, F I, NY 06390
- Karen Goodwin -- (631) 788-7444
- Southold UFSD – Oaklawn Ave, PO Box 470, Southold, NY 11971
- David Gamberg -- (631) 765-5400
- Mattituck-Cutchogue UFSD – 385 Depot Ln, Cutchogue, NY 11935
- Anne Smith -- (631) 298-8460
- Greenport UFSD – 720 Front Street, Greenport, NY 11944
- David Gamberg - (631) 477-1950
- New Suffolk Common School – 1295 4<sup>th</sup> Street, New Suffolk, NY 11956
- (631) 734-6940

**EXAMPLE OF TAX BREAKDOWN**  
**ACCOUNT # 1**

District Name	TOTAL TAX RATE
School 473802 – Orient	372.653
Library	33.186
Southold Town	304.863
MTA Payroll Tax	.619
NYSRPTL	6.134
Out of Cty SCCC	1.378
Suffolk County	19.068
FD025 Orient Fire District	88.085
PK065 Orient-E. Marion Park District	2.941
OM060 Orient Mosquito District	12.055
SW011 Solid Waste District	19.141
<b>TOTAL TAX RATE of above District Breakdown</b>	<b>860.123</b>

**HOW TO CALCULATE TAXES**

Take your assessed value (displayed on tax bill in box labeled assessed value) divide by \$1000 and multiply by the total tax rate. Example: Assessed value of \$5000 ÷ \$1000 = 5 × \$860.123 (Total tax rate of Acct #1) = \$4,300.62 Total Tax

**IMPORTANT EXEMPTION INFORMATION**

**HOW TO CALCULATE:**

**VETERAN'S EXEMPTION:** Exempt from town and county times amount of assessed valuation shown on tax bill in box labeled Veterans exemption. Subtract this amount from your computation of total tax, as described in tax computation.

**THIRD PARTY NOTICE:** If you are either 65 years of age or older, or disabled and you own and occupy a one or two family residence, you may designate a consenting adult third-party to receive duplicate copies of your tax bills and notices of unpaid taxes until further notice. Applications may be obtained in person from your tax-collecting officer, or by mail if you include a self-addressed stamped envelope. Applications for third-party notifications must be filed with the tax-collecting officer no later than October 1.

**CLERGY EXEMPTION:** First \$1500 of assessed valuation exempt on school, town and county tax. Subtract \$1500 from box labeled assessed valuation, then multiply by the correct mill rate.

**OVER 65 EXEMPTION:** This exemption may apply to county and/or town/highway and/or school taxing jurisdictions. The taxable value for any of these tax purposes is 50% of full value. Below are the qualifications for 2018/19:

1. 65 years of age or over
2. Maximum combined income \$37,400
3. Minimum of one year ownership of property
4. Must be legal residence of all owners

**STAR EXEMPTION:** This exemption applies to school tax jurisdictions. This is a fixed amount exemption.

**ENHANCED STAR REQUIREMENTS for 2018/19**

1. 65 years of age or over
2. Maximum combined income \$86,000
3. Must be primary residence in the Town of Southold

**BASIC STAR REQUIREMENT:**

1. Must be primary residence in the Town of Southold
2. Maximum combined income of \$500,000

**OTHER EXEMPTIONS:** The box marked oth. exempt. refers to exempt amb... other than aged or veterans. Codes used: BUS=Business, AG=Agricultural, (Total building and/or land), SE=Solar Energy, MIN=Ministers.

**DISABILITIES EXEMPTION:**

1. Documented evidence of the disability
2. Maximum combined income of less than \$37,400
3. Must be legal residence and be occupied by the person with the disability

**EXPLANATION OF ACCOUNT NUMBERS**

Individual total mill rates (per thousand dollars of assessed valuation) for the entire township as per account (#'s 1-43). To get individual tax rates for Town, County, School, Fire, Park and Misc. Districts, see cover page to calculate breakdown of total mill rate using appropriate District associated with your Acct #.

**BOARD OF ASSESSORS, Town of Southold**

*Kevin W. Webster, Chairman*

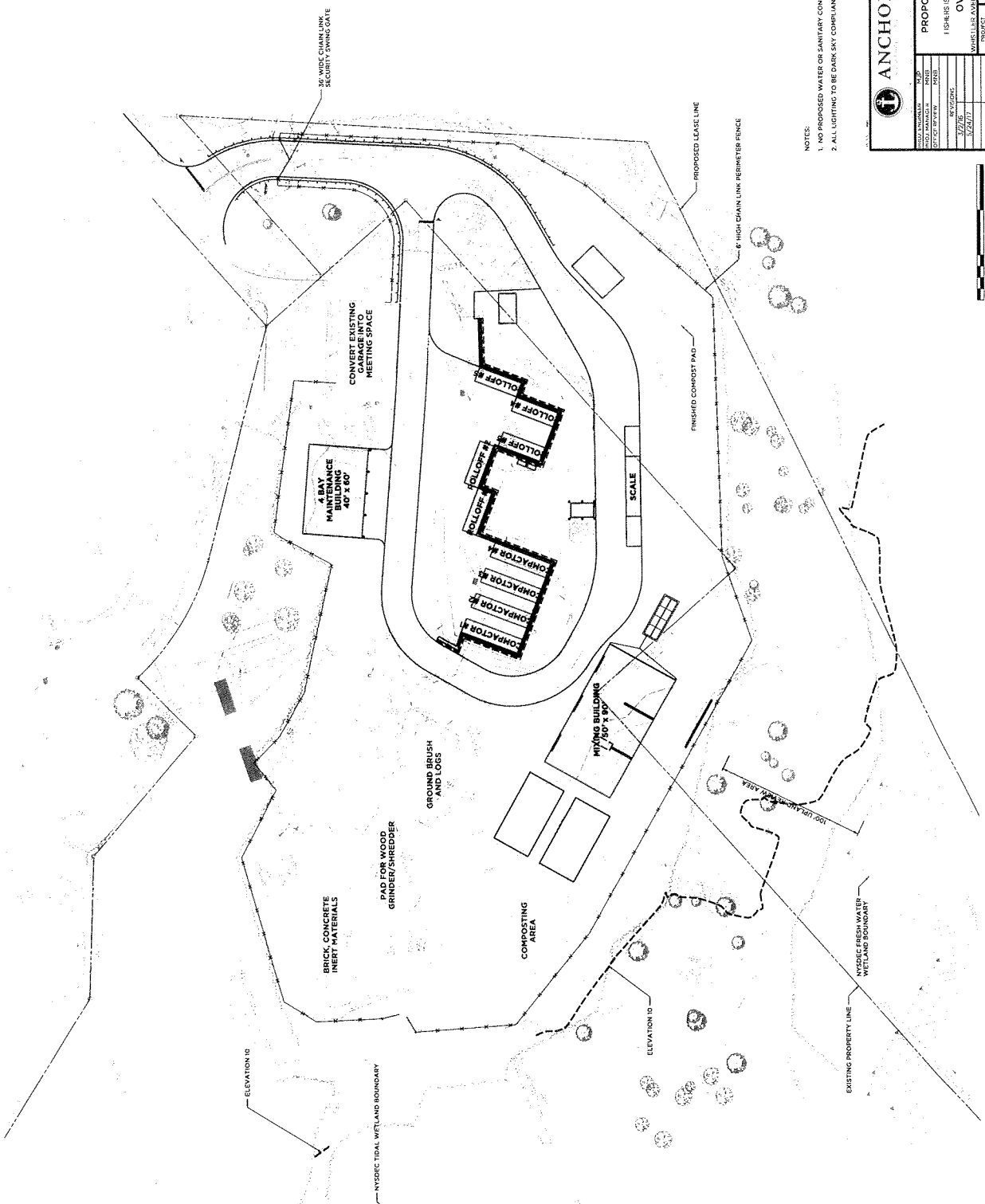
*Robert I. Scott, Jr., Assessor*

*Richard L. Caggiano, Assessor*

Acct #	Y	Solid Waste	School Code	Dist	MTA	RPTL	Town	Fire Dist	Park Dist	OM	M I S C.	D I S T R I C T S	Total Tax Rate
1	Y	473802	Y	FD025	PK065	OM060						OL037	860.123
2	Y	473802	Y	FD026	PK065	OM060						OL037	737.042
3	Y	473802	Y	FD026	PK065	OM060						OL037	849.563
4	Y	473802	Y	FD027	FF080	FG081						FL038	837.508
6		473804	Y	FD027								FL038	964.183
7		473804	Y									FL038	716.125
8	Y	473805	Y	FD028	PK070							SL042	1324.571
10	Y	473805	Y	FD028								SL042	1306.229
11	Y	473805	Y									SL042	1244.106
12	Y	473805	Y	FD029	PK090							SL042	1331.186
13	Y	473812	Y	FD029	PK090							CL040	1412.641
14	Y	473812	Y	FD030	PK071							ML041	1398.642
17	Y	473810	Y	FD031								GL039	1373.537
18	Y	473810	Y	FD028								GL039	1359.393
19	Y	473810	Y									GL039	1297.270
20	Y	473810	C.	RPTL	V							GL039	1231.752
23	Y	473815	Y	FD029	PK090							NL044	864.853
24	Y	473815	Y									NL044	777.773
31	Y	473802	Y	FD025	PK065	OM060						OL037	860.123
32	Y	473810	Y	FD031								GL039	1373.537
33	Y	473810	C.	RPTL	V							GL039	1231.752
34	Y	473805	Y	FD028	PK070							SL042	1324.571
35	Y	473805	Y	FD028								SL042	1306.229
36	Y	473812	Y	FD029	PK090							CL040	1412.641
37	Y	473812	Y	FD030	PK071							ML041	1398.642
38	Y	473815	Y	FD029	PK090							NL044	864.853
42	Y	473802	Y	FD025	PK065	OM060						OL037	860.123
43		473802	Y									OL037	737.901



**APPENDIX 4**  
**Adopted Statement and Overall Layout Plan for Facilities**  
**Consolidation and Modernization**



NOTES:  
 1. NO PROPOSED WATER OR SANITARY CONNECTIONS TO PROPOSED BUILDINGS.  
 2. ALL LIGHTING TO BE DARK SKY COMPLIANT.



<b>ANCHOR</b>	
PROPOSED SITE IMPROVEMENTS PREPARED FOR ESSEX ISLAND WASTE MANAGEMENT DISTRICT <b>OVERALL LAYOUT PLAN</b>	
DATE: 11/09/06	DRAWN BY: [unintelligible]
PROJECT: 09-02	DATE: 11/09/06
PRODUCT: 1" = 50'	SHEET NO: 2 OF 9



Fishers Island Waste Management  
Strategic Plan  
September 2017

1. Combine the Transfer Station and the Compost Station at the current Compost Station location and use green technology to turn waste into usable products
2. Reduce the amount of waste materials brought to the Island through education and financial incentives
3. Reduce the amount of waste materials that leave the Island by using sophisticated composting techniques and crushing glass
4. Increase collaboration opportunities with customers and contractors for mutual benefit; bins
5. Have employees who are enthusiastic about their contributions to waste management and earn a living wage
6. Market the Commission to attract new Commissioners and constantly improve our positive public image
7. Be more energy efficient

The Combined Stations will allow us to:

1. Grind and regrind all brush and logs to produce a usable product
2. Store wood chips for reuse
3. Crush glass for reuse
4. Compost paper and cardboard for reuse
5. Compost both yard and organics garbage for reuse
6. Cut shipping garbage off island by 75%
7. Reduce our dependence on fossil fuels by producing and using heat from composting piles

More training and opportunities for Employees and livable wage for all

1. Conferences and certifications that increase knowledge, skills and morale
2. Training as advocates for environmental solutions
3. Improved training in the operation, repair and maintenance of equipment
4. Training in CPR and emergency first aid

Commission Improvements

1. Greater commitment from Commissioners to support and implement strategic outcomes
2. Work as discussion based cohesive team
3. Respect employees and avoid micromanaging
4. Spend time at facilities to see improvements and know employee contributions first hand
5. Advocating waste management solutions to the public
6. Create a Public Education Plan

Adopted September 25, 2017

**APPENDIX 5**  
**Order Establishing Fishers Island Refuse and Garbage District**

STATE OF NEW YORK - DEPARTMENT OF AUDIT AND CONTROL

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In the Matter  
of the  
Application of the Town Board of the Town of Southold,  
Suffolk County, New York, for the permission of the State  
Comptroller to establish the Fishers Island Refuse and  
Garbage District in said town.

---

WHEREAS, application has been duly made to the undersigned by the Town Board of the Town of Southold, Suffolk County, New York, by its Supervisor, pursuant to section 194 of the Town Law, for the permission of the State Comptroller to establish the Fishers Island Refuse and Garbage District in said town, in accordance with such application and a resolution of said board adopted on April 4, 1952, and

WHEREAS, notice of such application to the State Comptroller has been duly given to the Board of Supervisors of Suffolk County, New York, by the State Comptroller in the manner prescribed by section 194 of the Town Law, and

WHEREAS, the undersigned has duly examined such application,

NOW, THEREFORE, pursuant to such examination and upon such application of the Town Board of the Town of Southold the undersigned does hereby find and determine, after due deliberation:

- (1) That the public interest will be served by the establishment of the Fishers Island Refuse and Garbage District in the Town of Southold in accordance with such application.
- (2) That the cost of establishing the proposed district will not be an undue burden upon the property of the proposed district.

I, J. RAYMOND McGOVERN, Comptroller of the State of New York, do hereby order that such application of the town

board of the Town of Southold for permission to establish the Fishers Island Refuse and Garbage District be, and the same hereby is, granted, and I do hereby permit the establishment of said district in accordance with the following description:

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H. G. Wright," "Mount Prospect," "Wilderness Point" and "Coast Guard Station No. 59," all as shown on map accompanying the petition, said territory being bounded and described as follows:

On the North by Fishers Island Sound; on the East by Block Island Sound; on the South by Block Island Sound and U. S. Government reservations; on the West by Fort H. G. Wright, U. S. Military reservations; and Block Island Sound.

Executed in duplicate under my hand and the seal of the Comptroller of the State of New York, at the City of Albany, New York, this 4<sup>th</sup> day of August, 1952.



J. RAYMOND McGOVERN  
State Comptroller

By

*William J. Embler*  
William J. Embler  
Deputy Comptroller

## FISHERS ISLAND GARBAGE &amp; REFUSE DISTRICT

MEETING OF APRIL 4, 1952.

A public hearing of the Southold Town Board was held at the Fishers Island Schoolhouse on Friday, April 4, 1952, to consider the petition and to hear all persons interested in establishing a Refuse and Garbage District at Fishers Island. Present were Supervisor Klipp; Justices Terry, Tuthill, Clark and Edwards; Superintendent of Highways Price; Town Attorney Terry and Town Clerk Booth.

Notice of said hearing was duly published and posted as required by Law. Supervisor Klipp opened the hearing at 9:30 o'clock A.M. read the call of the meeting, affidavits of publication and posting. The Supervisor then called upon any person desiring to be heard in favor of establishing a Refuse and Garbage District. Persons speaking in favor of said district were: Mrs. Mildred Andrews, A. John Gada, Harold J. Baker, Warren Maynard, Jr., Adelard LeGere, Mr. Wall, Theodore Arasimowicz, H. Lee Ferguson, Mrs. H. Lee Ferguson, Mr. Callahan representing Remington Rand Inc. stated that while Remington Rand Inc. had not signed the petition he was authorized to state that the Company was whole heartedly in favor of it and wanted to be put on record as supporting it. Supervisor Klipp then called upon any person desiring to be heard against establishing a Refuse and Garbage District. No person spoke against establishing said district. The Supervisor called upon all persons in favor of establishing a Refuse and Garbage District to signify by raising their hand. Apparently everyone in the room responded favorably. Discussion upon the establishment of said district having been had and all persons desiring to be heard, having been heard, the meeting was recessed by the Supervisor for a brief period of time for deliberations on the Resolution for the establishment of said district. The meeting was reconvened and the Supervisor read the Resolution which was adopted by the Town Board. The hearing was duly closed at 11 o'clock A.M.

Moved by Justice Edwards; seconded by Justice Clark:

In the Matter  
of

The petition for the establishment  
of a Refuse and Garbage District at  
Fishers Island in the Town of  
Southold, Suffolk County, New York.

\*\*\*\*\*  
RESOLUTION OF SOUTHOLD TOWN BOARD APPROVING THE ESTABLISHMENT  
OF A REFUSE AND GARBAGE DISTRICT AT FISHERS ISLAND IN THE TOWN  
OF SOUTHOLD, SUFFOLK COUNTY, NEW YORK.

WHEREAS, a petition for the creation of a refuse and garbage district to be known as the Fishers Island Refuse and Garbage District in the Town of Southold, Suffolk County, New York, the said petition being dated August 21, 1951, was duly presented to this Town Board, and

WHEREAS, an order was duly adopted by the Town Board on March 11, 1952, reciting the filing of said petition, the improvements proposed, the boundaries of the proposed district, and the estimated expenses thereof and specifying April 4, 1952 at 9:30 o'clock A.M. as the time and the Fishers Island Schoolhouse in said Town as the place where the said Board would meet to consider the petition and to hear all persons interested in the subject thereof, concerning the same, and

WHEREAS, such order was duly posted, published and served as required by law, and

WHEREAS, a hearing in the matter was duly held by the Board on this 4th day of April, 1952, commencing at 9:30 o'clock A.M., at the Fishers Island Schoolhouse in said Town, and considerable discussion upon the matter having been had, and all persons desiring to be heard,

Now, upon the evidence given such hearing, and upon motion of Justice E. Perry Edwards and seconded by Justice Henry A. Clark, it is

RESOLVED AND DETERMINED, that (a) the petition aforesaid is signed and acknowledged, as required by law, it duly complies with the requirements of Section 191 of the Town Law as to sufficiency of signers with respect to the boundaries of the proposed district as herein approved and it is otherwise sufficient; (b) all the property and property owners within the proposed district are benefited thereby; (c) all the property and property owners benefited are included within the limits of the proposed district; and (d) it is in the public interest to grant in whole the relief sought; and it is further

RESOLVED AND DETERMINED, that the establishment of a refuse and garbage district as proposed in said petition be approved; that the improvement therein mentioned be constructed and the service therein mentioned be provided for upon the required funds being made available or provided, and that such district shall be designated and known as the Refuse and Garbage District at Fishers Island in the Town of Southold and shall be bounded and described as follows:

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H.G. Wright", "Mount Prospect", "Wilderness Point" and "Coast Guard Station No. 59", all as shown on map accompanying the petition, said territory being bounded and described as follows:

On the North by Fishers Island; on the East by Block Island Sound; on the South by Block Island and U. S. Government reservations; on the West by Fort H. G. Wright, U. S. Military reservations; and Block Island Sound.

The boundaries herein described are intended to coincide with the present boundaries of Fishers Island, in the Town of Southold, Suffolk County, New York; and it is further

RESOLVED: that the proposed improvement, including the cost of construction work, acquisition of the necessary land, legal fees and all other expenses, shall be financed by the issuance of bonds or other evidence of indebtedness pursuant to the provisions of the Local Finance Law of said Town which shall be a charge upon said District in a sum not to exceed \$50,000,

And it is further

RESOLVED: that the Town Clerk of this Town shall within ten days after the adoption of this resolution file certified copies thereof in duplicate in the office of the State Department of Audit and Control at Albany, New York, together with an application by this Board in duplicate for permission to create such district as provided for by Town Law, Section 194; and that such application shall be executed by and in behalf of the Town Board by the supervisor of the Town.

THE QUESTION OF THE ADOPTION OF THE FOREGOING RESOLUTION WAS DULY PUT TO A VOTE WHICH RESULTED AS FOLLOWS:

AYES.....	Supervisor Norman E. Klipp	
	<u>Justice Harry H. Terry</u>	6
	<u>Justice Ralph W. Tuthill</u>	4
	<u>Justice Henry A. Clark</u>	6
	<u>Justice E. Perry Edwards</u>	5
ABSENT.....	Justice Lester M. Albertson	
NAYES.....	NONE	

THE SUPERVISOR THEREUPON DECLARED THAT THE RESOLUTION WAS DULY ADOPTED.

Ralph P. Booth  
Town Clerk



BEFORE THE TOWN BOARD OF  
THE TOWN OF SOUTHOLD,  
SUFFOLK COUNTY, NEW YORK.

-----

In the Matter	:
of	:
The Establishment of the Fishers Island Refuse and Garbage District in the Town of Southold, County of Suffolk, New York.	: ORDER ESTABLISHING DISTRICT. : :

-----

A petition in this matter for the creation of a refuse and garbage district having been duly presented to the Town Board, and an order having been duly adopted by the Town Board on March 11th, 1952, for the hearing of all persons interested in the matter on the 4th day of April, 1952, at 9:30 o'clock in the forenoon of that day at the Fishers Island schoolhouse at Fishers Island, New York, and a hearing by the said Board having been duly held at such time and place, and it having been duly resolved and determined following such hearing that the petition herein was signed and acknowledged or proved as required by law and otherwise sufficient, that all the property and property owners within the proposed district were benefited thereby, that all property and property owners benefited were included within the limits of the proposed district, and that it was in public interest to grant in whole the relief sought, and it having been then and there further duly resolved that the establishment of such district as proposed be approved, and application having been thereafter and on April 12th, 1952, duly made in duplicate to the State Department of Audit and Control at Albany, New York, for permission to create such district as more fully provided for by Town Law, Section 194, and the State Comptroller

having duly made an order in duplicate, dated August 4th, 1952, granting permission for the creation of the district in all respects as petitioned for and approved by the Town Board as aforesaid; and one copy of such order having been duly filed in the office of the State Department of Audit and Control at Albany, New York, and the other in the office of the Town Clerk of this Town, and the Town Clerk having duly presented such order to this Board at this meeting, being its first meeting held after the said order was filed with him; it is hereby

ORDERED, that a refuse and garbage district be established in the said Town of Southold, Suffolk County, New York, as described in the order of the State Comptroller aforesaid, to be designated as the Fishers Island Refuse and Garbage District of the Town of Southold and to be of the following description and boundaries, to wit:-

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H. G. Wright," "Mount Prospect," "Wilderness Point" and "Coast Guard Station No. 59," all as shown on map accompanying the petition, said territory being bounded and described as follows:

On the North by Fishers Island Sound; on the East by Block Island Sound; on the South by Block Island Sound and U. S. Government reservations; on the West by Fort H. G. Wright, U. S. Military reservations; and Block Island Sound.

Dated, Aug. 7<sup>th</sup>, 1952.

Ralph P. Booth  
Town Clerk

Norman E. Cliff  
Supervisor

Harry T. ... )  
Leta M. ... )  
Roseph ... )

JUSTICES  
OF THE  
PEACE

Members of the Town Board of the  
Town of Southold, Suffolk  
County, N. Y.

\*\*\*\*\*

In the Matter

of

The petition for the establishment  
of a Refuse and Garbage District at  
Fishers Island in the Town of  
Southold, Suffolk County, New York.

\*\*\*\*\*

RESOLUTION OF SOUTHOLD TOWN BOARD APPROVING THE ESTABLISHMENT  
OF A REFUSE AND GARBAGE DISTRICT AT FISHERS ISLAND IN THE TOWN  
OF SOUTHOLD, SUFFOLK COUNTY, NEW YORK.

WHEREAS, a petition for the creation of a refuse and garbage  
district to be known as the Fishers Island Refuse and Garbage  
District in the Town of Southold, Suffolk County, New York, the  
said petition being dated August 21, 1951, was duly presented to  
this Town Board, and Whereas an order was duly adopted by the Town  
Board on March 11, 1952, reciting the filing of said petition, the  
improvements proposed, the boundaries of the proposed district, and  
the estimated expenses thereof and specifying April 4, 1952 at 9:30  
o'clock A.M. as the time and the Fishers Island Schoolhouse in said  
Town as the place where the said Board would meet to consider the  
petition and to hear all persons interested in the subject thereof,  
concerning the same, and Whereas such order was duly posted, pub-  
lished and served as required by law, and Whereas a hearing in the  
matter was duly held by the Board on this 4th day of April, 1952,  
commencing at 9:30 o'clock A.M., at the Fishers Island Schoolhouse  
in said Town, and considerable discussion upon the matter having  
been had, and all persons desiring to be heard,

Now, upon the evidence given upon such hearing, and upon motion of  
and seconded by

it is

RESOLVED AND DETERMINED, that (a) the petition aforesaid is signed and acknowledged or proved as required by law, it duly complies with the requirements of Section 191 of the Town Law as to sufficiency of signers with respect to the boundaries of the proposed district as herein approved and it is otherwise sufficient; (b) all the property and property owners within the proposed district are benefited thereby; (c) all the property and property owners benefited are included within the limits of the proposed district; and (d) it is in the public interest to grant in whole the relief sought; and it is further

RESOLVED AND DETERMINED, that the establishment of a refuse and garbage district as proposed in said petition be approved; that the improvement therein mentioned be constructed and the service therein mentioned be provided for upon the required funds being made available or provided for; and that such district shall be designated and known as the Refuse and Garbage District at Fishers Island in the Town of Southold and shall be bounded and described as follows:-

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H. G. Wright," "Mount Prospect," "Wilderness Point" and "Coast Guard Station No. 59," all as shown on map accompanying the petition, said territory being bounded and described as follows:

On the North by Fishers Island Sound; on the East by Block Island Sound; on the South by Block Island Sound and U. S. Government reservations; on the West by Fort H. G. Wright, U. S. Military reservations; and Block Island Sound.

The boundaries herein described are intended to coincide with the present boundaries of Fishers Island, in the Town of Southold, Suffolk County, New York; and it is further

RESOLVED, that the proposed improvement, including the cost of construction work, acquisition of the necessary land, legal fees and all other expenses, shall be financed ~~in full~~ by the issuance of bonds (or other evidence of indebtedness pursuant to the provisions of the Local Finance Law) of said Town of Southold which shall be a charge upon said District in a sum not to exceed \$50,000.00,

And it is further

RESOLVED that the Town Clerk of this Town shall within ten days after the adoption of this resolution file certified copies thereof in duplicate in the office of the State Department of Audit and Control at Albany, New York, together with an application by this Board in duplicate for permission to create such district as provided for by Town Law, Section 194; and that such application shall be executed by and in behalf of the Town Board by the supervisor of the Town.

THE QUESTION OF THE ADOPTION OF THE FOREGOING RESOLUTION WAS DULY PUT TO A VOTE WHICH RESULTED AS FOLLOWS:

AYES . . . . Supervisor Norman E. Klipp ; \_\_\_\_\_  
Justice Harry H. Terry  
Justice Ralph W. Tutbill ;  
Justice Henry A. Clark  
Justice E. Perry Edwards

ABSENT . . . . Justice Lester M. Albertson \*

NAYES . . . . None.

THE SUPERVISOR THEREUPON DECLARED THAT THE RESOLUTION WAS DULY ADOPTED.

At a meeting of the Town Board of the Town of Southold, Suffolk County, New York held at 16 South Street, Municipal Building in the Village of Greenport, New York on the 11th day of March, 1952.

PRESENT:

Norman E. Klipp  
Supervisor

Harry Terry  
Justice of the Peace

Ralph W. Tuthill  
Justice of the Peace

Henry A. Clark  
Justice of the Peace

~~Lester M. Albertson  
Justice of the Peace~~

\*\*\*\*\*

In the Matter

of

The petition for the establishment of a Refuse and Garbage District at Fishers Island in the Town of Southold, Suffolk County, New York.

\*\*\*\*\*

WHEREAS, a written petition, dated August 21, 1951, in due form and containing the required signatures has been presented to and filed with the Town Board of the Town of Southold, Suffolk County, New York, for the establishment of a Refuse and Garbage District in the said Town, to be described as follows:

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H. G. Wright," "Mount Prospect," "Wilderness Point" and "Coast Guard Station No. 59," all as shown on map accompanying ~~the~~ petition, said territory being bounded and described as follows:

On the North by Fishers Island Sound; on the East by Block Island Sound; on the South by Block Island Sound and U. S. Government reservations; on the West by Fort H. G. Wright, U. S. Military reservations, and Block Island Sound.

WHEREAS, the improvements proposed consist of the securing and furnishing such appurtenances and other facilities as may be necessary for the sanitary disposal of refuse, garbage, ashes, rubbish and other waste materials, in said district, and

WHEREAS, the maximum amount proposed to be expended for the construction work of the district and the acquisition of the necessary land as stated in the said petition is the sum of \$50,000., it is hereby

ORDERED that a meeting of the Town Board of the said Town of Southold be held at the Fishers Island Schoolhouse at Fishers Island, New York on the 4<sup>th</sup> day of April, 1952 at 9:30 A.M. in the ~~fore~~noon of that day, to consider the said petition and to hear all persons interested in the subject thereof, concerning the same, and for such other action on the part of the Town Board with relation to the said petition as may be required by law or proper in the premises.

Dated: March 11, 1952.

Norman E. Sliff  
Supervisor

Harry Terry

Robert W. Fairchild

Henry A. Clark

Members of the Town Board of the Town  
of Southold, Suffolk County, New York.

TO THE TOWN BOARD OF THE TOWN OF SOUTHOLD:

We, the undersigned, being owners of taxable real property situate in Fishers Island, Town of Southold, County of Suffolk and State of New York, and in the proposed district hereinafter described, and owning in the aggregate more than one-half of the assessed valuation of all the taxable real property of said proposed district, as shown upon the latest completed assessment roll of said Town, and including resident owners of said district of taxable real property aggregating at least one-half of all the taxable real property of said Town owned by resident owners, according to the latest completed assessment roll, do hereby petition your Honorable Board to create and establish a REFUSE AND GARBAGE DISTRICT, pursuant to Article 12, sub-division 191, of the Town Law and of the ~~provisions~~ applicable thereto, which is to be located in the Town of Southold, County of Suffolk and State of New York, outside of any incorporated village and wholly within the Town of Southold, within the entire area of Fishers Island in said Town, exclusive of any United States Military reservations, said District being described as follows:

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H.G. Wright", "Mount Prospect," "Wilderness Point" and "Coast Guard Station No. 59," all as shown on map accompanying this petition, said territory being bounded and described as follows:

On North by Fishers Island Sound; on the East by Block Island Sound; on the South by Block Island Sound and U.S. Government reservations; on the West by Fort H.G. Wright, ~~U.S. Military~~ reservations, and Block Island Sound.

The intent and purpose of said proposed Refuse and Garbage District is to secure and furnish such appurtenances and other facilities as may be necessary for the sanitary disposal of refuse, garbage, ashes, rubbish and other waste materials in said District, as the facilities now provided were discontinued and withdrawn at



the close of the year 1950. It is, therefore, vitally essential that means be instituted at once with full authorization to take over and perform this work.

The maximum amount proposed to be ~~expended~~ in the construction work of the District and the acquisition of the necessary land is \$50,000.00, according to the provisions of Sections <sup>202 and</sup> 202a of the Town Law; the cost of said construction and maintenance shall be assessed, levied and collected from the several lots and parcels of land within the District in the manner and at the time as provided by Section 202, sub-division 3 of the Town Law.

FISHERS ISLAND GARBAGE AND REFUSE DISTRICT

PROPOSAL

To the Town Board of the Town of Southold, New York:

In accordance with the advertisement of November 13, 1952, inviting proposals for the collection and disposal of all the garbage and refuse in the Fishers Island Garbage and Refuse District for a term of three years, beginning January 1, 1953, and subject to all the conditions and requirements of the specifications, I, The N. B. King & Co., Inc. , do propose to furnish all the labor and tools and conveyances for the said work and to fully and completely perform the same in accordance with such specifications and to the satisfaction of the Commissioners of the Fishers Island Garbage and Refuse District, for the following prices, to wit:

For the combined collection, removal and disposal of all the garbage and refuse in the Fishers Island Garbage and Refuse District, for the term of three years, from January 1, 1953, for the sum of Twelve Thousand Eight Hundred and 00/100 Dollars **(12,800.00)** per year.

If this proposal shall be accepted by the Town Board of the Town of Southold, New York and the undersigned shall fail to execute a satisfactory contract or fail to file the required bond, then the said Town may, at its option, determine that the undersigned has abandoned the contract, and thereupon his proposal shall be returned to the undersigned.

Attached herewith is a certified check or proposal bond for the sum of three thousand Dollars (3,000.00), in accordance with the conditions stipulated in the specifications.

The undersigned herewith further agrees, conditioned upon the acceptance of this proposal by the said Town Board of the Town of Southold, New York, to furnish annually, during the term of this agreement, a suitable security bond in the sum of the amount of the contract, to be an indemnity to the Town Board of the Town of Southold, New York, in case of any default or breach in his contract.

The equipment and condition thereof I will have on hand to

properly conduct and fulfill the terms of the specifications and of the work they cover are:

Item of Equipment	Condition	Item of Equipment	Condition
1952 Chevrolet 12-ft. Covered Rack Dump	Excellent		
1952 Hough Front End Loader & Bulldozer	New		

There is no person interested in this bid as principal except the person or persons signing this proposal.

IN WITNESS WHEREOF, the undersigned has herewith set his (their) name in full, together with his (their) residence address, this 25th day of November, 1957.

. The N. B. King & Co., Inc. . . . . ~~New York~~  
26 Moore Court  
. New London, Conn. . . . . ~~New York~~  
. By N. B. King, President . . . . . ~~New York~~

FISHERS ISLAND GARBAGE AND REFUSE DISTRICT  
SPECIFICATIONS FOR THE COLLECTION AND DISPOSAL OF  
GARBAGE AND REFUSE

The following are the specifications covering the collection and disposal of all the garbage and refuse within the limits of Fishers Island Garbage and Refuse District in the Town of Southold, County of Suffolk, New York, including the public schools, fire houses and any town buildings, for a period of three years from January 1, 1953, and are furnished to prospective bidders for the contract for such collection and disposal. The same are to be considered a part of such contract upon its being awarded to the successful bidder.

1. Each bidder will be required to submit a sealed proposal to the Town Board of the Town of Southold for the collection and disposal of garbage and refuse in accordance with the terms and conditions hereinafter set forth. The Town Board of the Town of Southold reserves the right to reject any and all bids, or parts thereof, without reason.

2. Each proposal must be accompanied by the deposit of a certified check payable to the order of the Supervisor of the Town of Southold in the sum of \$3,000.00, or a bond with sufficient sureties, to be approved by the Supervisor, in a penal sum of \$3,000.00, conditioned that if the proposal is accepted the successful bidder will enter into a contract for the work, and that he will execute within fifteen days from the date of the acceptance of the proposal a suitable security bond in the sum of the amount of the contract, conditioned for the faithful performance and completion of the work herein specified.

All deposits except that of the successful bidder will be returned.

Upon acceptance of his bid, if the successful bidder fails to enter into a contract pursuant to the requirements of the Town Board, or fails to give the further security prescribed herein within the time limited herein, then the check deposited as afore-

said and the money standing to the credit of the same, shall be forfeited to the Town as liquidated damages or if a bond has been presented, in lieu of a certified check then the penalty shall be enforced as liquidated damages.

3. The successful bidder hereinafter called the Contractor, shall commence the work on January 1, 1953, and shall continue the work for a period of three (3) years.

4. The Contractor shall be required to collect and deliver garbage and refuse to a site leased by the Town of Southold and there dispose of them by the land fill method as directed from time to time by the Commissioners of the Fishers Island Garbage and Refuse District.

5. The collection, delivery and disposal shall be under the direction and supervision of the Commissioners of the Fishers Island Garbage and Refuse District, and the men engaged in the collection, delivery and disposal shall be subject to their orders.

6. The Contractor shall have direct charge of and be responsible for the entire work contemplated under this contract. When the Contractor is absent from the work, he shall at all times have a responsible person in charge duly authorized to receive and execute orders given by the Commissioners or their representative.

7. The Contractor shall indemnify and save the Town harmless of and from any and all claims, damages and charges of every name and nature arising from the negligence or want of care of the Contractor or his men in the prosecution of the work.

8. Payments for the work will be made to the Contractor by the Town in twelve (12) monthly installments each year. The amount of each such installment shall be in proportion to the number of "pick-ups" in each month of the term and shall be determined by consultation and agreement between the Contractor and the Commissioners. In no event, shall the total of the twelve (12) installment payments per year exceed the agreed yearly price. The first payment or installment to be made on or before the fifteenth (15) day of the month following the first month's work. The succeeding payments will be made on or about the fifteenth (15) day of each

month following for the duration of the contract.

9. Any Contractor, to whom this contract be let or awarded, is prohibited from assigning, transferring, sub-letting or otherwise disposing of the same or any part of the work called for by the same to any other person, company or corporation without the previous consent in writing of the Town Board of the Town of Southold.

10. If at any time the Commissioners shall be of the opinion and shall so certify in writing to the said Town Board that the work is unnecessarily delayed or the Contractor is willfully violating any of the conditions of this contract, or if the work be not fully completed within the time named in these specifications, the said Town Board shall have the power to notify the Contractor to discontinue all work or any part thereof, by a written notice to be served upon the Contractor, either personally or by leaving said notice at his residence or with his agent in charge of work, and thereupon the Contractor shall discontinue all work, or such part thereof, and the said Town Board shall thereupon have the power to employ such and so many persons as it may be deemed advisable, by contract or otherwise, to complete the work herein described or such part thereof, and to charge the expense of said labor to the aforesaid Contractor.

11. Beginning on the 15th day of June of each year and ending on the 15th day of September of each year, the Contractor shall collect all garbage and refuse on Fishers Island three times a week. However, during said period a daily collection shall be made of all garbage and refuse of all hotels and markets.

Beginning on the 15th day of September of each year and ending on the 1st day of November of each year, the Contractor shall collect all garbage and refuse on Fishers Island twice a week. However, during said period a thrice weekly collection shall be made of all garbage and refuse of all hotels and markets.

Beginning on the 1st day of November of each year and ending on the 1st day of March of each year, the Contractor shall collect all garbage and refuse of Fishers Island once a week. However, during said period a thrice weekly collection shall be

made of all garbage and refuse of all hotels and markets.

Beginning on the 1st day of March of each year and ending on the 15th day of June of each year, the Contractor shall collect all garbage and refuse on Fishers Island twice a week. However, during said period a thrice weekly collection shall be made of all garbage and refuse of all hotels and markets.

One day a month during each year shall be set aside for the collection of refuse considered too bulky and/or heavy to be disposed of in the trenches opened for garbage. Such individual pickups shall not exceed 1/4 of a load (20 cubic feet) or 150 lbs. in weight.

12. Whenever a general clean-up week is declared by the Commissioners, the Contractor, shall, without an extra compensation, put on such extra labor and vehicles as may be required.

13. The Contractor shall collect all garbage and refuse according to a schedule which will accomplish the requirements of Paragraph 11. Such schedule may be altered by the Commissioners within the requirements of said paragraph 11.

14. Under no condition must a route be more than twenty-four (24) hours overdue from the schedule as provided in paragraph 13 of these specifications.

15. The Contractor must exercise due care in the collection of the garbage and refuse, both in the handling of the receptacles and in the transportation to the disposal site. The Contractor will be compelled to clean up any unsightly condition caused by carelessness on the part of his men in handling the refuse or caused by falling off the vehicles during transportation.

16. The Contractor will be required to collect and remove all garbage and refuse located within forty (40) feet of the rear of any building. Upon emptying the receptacles, he will be required to return them where originally found.

The Contractor will not be required to go down cellar or go above the ground floor for the collection of garbage and refuse.

17. The Contractor must instruct his men to be courteous at all times during the prosecution of their work. Any difference

of opinion arising between the Contractor's men and a citizen of Fishers Island must be satisfactorily settled by the Contractor.

18. The Contractor must have the proper equipment for the removal of all the garbage and refuse and each vehicle must be provided with suitable cover so as to completely cover the vehicle when loaded. The Contractor will also be required to furnish a list of the equipment and the condition thereof that he will have on hand to properly conduct and fulfill the terms of these specifications and of the work they cover.

19. It is understood and agreed between the parties hereto that no claim for damages or extra work shall be made in connection with this work, except such as may be ordered in writing by the Commissioners with the approval by resolution of the Town Board and further evidenced by the execution of a supplemental agreement between the Town and the Contractor covering the same.

20. In the event of any violation of the above specifications by the Contractor or of any provision of the contract entered into with the successful bidder, the said Town Board reserves the right to cancel the contract upon thirty (30) days' written notice to the Contractor, and in the event of the such cancellation, the said Contractor shall not have recourse to any action against the Town of Southold.

21. Contractor must maintain a telephone at some point at and/or through which he may be contacted.

Dated at Southold, New York, November 6, 1952.

Town of Southold, New York

By: *Wm. E. King* . . . .  
Supervisor.



FISHERS ISLAND GARBAGE AND REFUSE DISTRICT

AGREEMENT

AGREEMENT made and entered into this *25<sup>th</sup>* day of *November*, 1952 between the Town of Southold, a municipal corporation located in the County of Suffolk, State of New York, party of the first part, hereinafter called the "Town", and

The N. B. King & Co., Inc.  
26 Moore Court, New London, Conn.  
party of the second part, hereinafter called the "Contractor".

WITNESSETH:

In consideration of the covenants and agreements herein contained, the Contractor agrees to furnish all the equipment, materials, implements, and incidentals and to furnish all the labor to do all the work required to collect and dispose of all the garbage and refuse for the Fishers Island Garbage and Refuse District as shown in the specifications therefore on file in the offices of the Town Clerk of the Town of Southold, New York, and the Justice of Peace, Fishers Island, New York.

In consideration of which, and if the Contractor shall well and completely perform said work, the town shall pay the Contractor Twelve Thousand Eight Hundred and 00/100 (\$12,800.00 Dollars) per annum in twelve (12) monthly installments each year. The amount of each such installment shall be in proportion to the number of "pick-ups" in each month of the term and shall be determined by consultation and agreement between the Contractor and the Commissioners. In no event, shall the total of the twelve (12) installment payments per year exceed the agreed yearly price. The first payment or installment to be made on or before the fifteenth (15) day of the month following the first month's work. The succeeding payments will be made on or about the fifteenth (15) day of each month following for the duration of the contract.

The foregoing shall be upon the following terms and conditions which the parties do mutually covenant and agree, to wit:

1. The collection and disposal shall commence not later than January 1, 1953 and shall continue for a period of three years until the 1st day of January, 1956, unless terminated for cause prior thereto in accordance with the specifications.

2. The specifications hereinbefore referred to are intended to be and are hereby made a part of this Agreement as though set forth in full herein.

3. It is further understood and agreed that in case there is a variance between the terms of this contract and such specifications, the Town Board shall determine which shall control and its decision shall be final.

4. It is further agreed that the Contractor, at his own expense will furnish annually during the term of this agreement a bond or bonds in the sum of the amount of this contract of a corporation authorized to guarantee the performance of this contract and to do business in the Town of Southold, County of Suffolk and State of New York as surety covering the services herein contemplated. Also, the Contractor, at his own expense, will furnish the Town a liability policy covering himself and the Town against any liability as a result of this contract in the amount of \$100,000. and \$300,000. Bodily Injury and \$10,000. Property Damage.

5. All the provisions of Section 220 of the Labor Law of the State of New York shall be adhered to by the Contractor as to labor under this Agreement.

6. The Contractor further agrees that it will secure and furnish compensation and disability insurance for the benefit of and keeping insured during the life of this Agreement, the employees engaged in the work performed, under the provision of the Laws of the State of New York affecting the same, and this contract shall be null and void and of no effect if the Contractor shall fail to secure and furnish compensation and disability insurance covering its employees engaged in the work provided for in this Agreement.

7. Each and every provision of law and clause required by law to be inserted in this contract shall be deemed to have been inserted, and if through mistake or otherwise such provision is not inserted, then upon the application of either party, this contract shall be physically amended forthwith to make such insertion.

8. It is further expressly understood and agreed that no garbage collected by the Contractor by virtue of this contract shall be used for the purpose of feeding pigs, hogs or swine.

IN WITNESS, the respective parties hereto have executed this Agreement and caused same to be signed by the proper office of the respective parties and their respective seals affixed, the day and year first above written.

Town of Southold, New York

By: *Norman E. Klipp, Supervisor*

*Justice of the Peace*

*Levin M. Albertson*

*Ralph W. Smith*

*Henry A. Clark*

N. B. King & Co., Inc.  
26 Moore Court, New London, Conn.

By: *N. B. King, President* . . . (L.S.)

(Seal)

Attest:

*Ralph P. Booth* . . .  
Town Clerk

(Seal)

STATE OF NEW YORK)

County of Suffolk) ss..

On this *9* day of *December*, 19*42*, before me personally came *Ralph P. Booth* known to me to be the Clerk of the Town of Southold, who being by me duly sworn, deposed that he resides in Southold Town; that the seal affixed to the foregoing instrument is the common seal of the Town of Southold, and was so affixed by order of the Town Board of said Town which is to me satisfactory evidence of its due execution.

*James A. Rice, Jr.* . . .  
Notary Public

NEW YORK  
RESIDING IN SUFFOLK COUNTY  
MY COMMISSION EXPIRES MARCH 30, 1952.

CONNECTICUT  
STATE OF ~~NEW YORK~~  
New London  
County of ~~Suffolk~~ .....

State of Connecticut }  
COUNTY OF NEW LONDON }  
County Clerk's Office }

I, John B. Burke, Clerk of said County,  
and of the Superior Court in and for said County, the same being a Court  
of Record, having by law a seal hereby certify

That Ronald C. King  
whose name is subscribed to the certificate of proof, acknowledgment, or affidavit  
of the annexed instrument, and thereon written, was, at the time of taking such  
proof, acknowledgment, or affidavit, a Notary Public, ~~Commissioner of~~  
~~the Superior Court, Justice of the Peace,~~ within and for said County, residing in said  
County, duly appointed, commissioned and sworn, and authorized by the laws of said  
State, to administer oaths, and take the acknowledgments and proofs of deeds or convey-  
ances for lands, tenements, and hereditaments, in said State, and other instruments to be  
recorded therein, and to certify the same; that full faith and credit are and ought to be  
given to his official acts; and I further certify that I have compared the signa-  
ture to the original certificate with that deposited in this office by such person and  
verily believe that the signature to the attached certificate is his  
genuine signature and said certificate is not required to be under seal, and  
the person signing such certificate is not required by law to file in this office an im-  
pression of his or her official seal.

In testimony whereof, I have hereunto set my hand and affixed the Seal of said Court,  
at Norwich, in said County and State, on the 7th day of December,  
19 52

John B. Burke, Clerk  
By: Rufus B. Hitchcock, Deputy Clerk.

# New Amsterdam Casualty Company

227 ST PAUL STREET  
BALTIMORE, MD.

60 JOHN STREET  
NEW YORK

A STOCK COMPANY

## BID BOND

AMOUNT \$ 3,000.00

BOND No. 93420

### Know All Men By These Presents:

THAT WE, The N. B. King and Company, Inc.

of 26 Rear Moore Court, New London, Conn.

hereinafter called the Principal, as Principal, and the NEW AMSTERDAM CASUALTY COMPANY, a corporation of the State of New York, hereinafter called the Surety, as Surety, are held and firmly bound unto Town Board, Town of Southold, New York

hereinafter called the Obligee, in the full and just sum of THREE THOUSAND AND 00/100 Dollars (\$ 3,000.00), to the payment whereof the said Principal and the said Surety bind themselves, their and each of their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal has submitted or is about to submit a certain bid or proposal dated November 25, 1952, for contract for Fishers Island Garbage and Refuse Disposal

Now, Therefore, the Condition of this Obligation is Such, That if the said Principal shall, upon written notice of acceptance of said bid or proposal, enter into contract with the said Obligee and give bond for the faithful performance thereof, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

Signed and Sealed this 24th day of November, A.D. 1952

ATTEST

Lucia Lawrence

THE N. B. KING AND COMPANY, INC. (Seal)

By N. B. King Pres. (Seal)

ATTEST

Virginia M. Shea

NEW AMSTERDAM CASUALTY COMPANY

By Richard E. Savory  
Richard E. Savory, Attorney-in-fact

POWER OF ATTORNEY

NEW AMSTERDAM CASUALTY COMPANY

A STOCK INSURANCE COMPANY

227 ST. PAUL STREET  
BALTIMORE MD.

EXECUTIVE  
OFFICES

60 JOHN STREET  
NEW YORK N. Y.

Know All Men by These Presents:

That the NEW AMSTERDAM CASUALTY COMPANY, a corporation of the State of New York, by  
C. S. Weech, its Vice-President, and W. L. Langford  
its Assistant Secretary, in pursuance of authority granted by a resolution duly passed by the Board of Directors of said  
Company at a meeting of that body, at which a quorum was present, held on the 27th day of January, 1949, at its  
office in the City of New York, State of New York, which resolution reads as follows:

"WHEREAS, it frequently becomes necessary for a representative of the Company to execute bonds or undertakings on behalf  
of the Company, which, for lack of time or some other cause, it is impracticable to have executed by the officers of the Company;

THEREFORE BE IT RESOLVED, that the Chairman of the Board or the President or any Vice-President, by and with the concurrence  
of the Secretary or any Assistant Secretary, is hereby authorized to appoint and empower any representative of the Company  
as its Attorney-in-Fact to execute on behalf of the Company, as Surety, bonds or undertakings which the Company might execute through  
its officers."

does hereby nominate, constitute and appoint Richard E. Savory, Boston, Mass.,

its true and lawful agent and attorney -in-fact, to make, execute, seal and deliver for and on its behalf, as  
surety, and as its act and deed

Any and all bonds or undertakings of suretyship, no one bond

or undertaking to exceed the sum of - - - FIVE HUNDRED THOUSAND - - - - Dollars

(\$ 500,000.00 ) -----

And when such bonds or undertakings shall have been duly executed pursuant hereto and the corporate seal affixed,  
they shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly  
executed and acknowledged by the duly elected officers of the Company in their own proper persons. The said Company  
hereby reserves unto itself, however, the absolute right to revoke this Power of Attorney at any time it may  
desire so to do.

The said Assistant Secretary does hereby certify that the foregoing copy of resolution is a true copy of the resolution passed by the Board  
of Directors of said Company at its meeting held on the 27th day of January, 1949, as aforesaid, and that said resolution is still in force.

IN WITNESS WHEREOF, the said Vice-President and the said Assistant Secretary have hereunto subscribed  
their names and affixed the corporate seal of the said NEW AMSTERDAM CASUALTY COMPANY, this

1st day of May A. D. 19 50

Attest: NEW AMSTERDAM CASUALTY COMPANY

W. L. Langford  
Assistant Secretary.

(Seal)  
(Signed)

By C. S. Weech  
Vice-President.

STATE OF MARYLAND }  
CITY OF BALTIMORE } ss.

On this 1st day of May A. D. 19 50 before the subscriber, a Notary  
Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above named Vice-President and  
Assistant Secretary of the NEW AMSTERDAM CASUALTY COMPANY, to me personally known to be the individuals and officers described in,  
and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally  
and each for himself depose and saith, that they are the said officers of the Company aforesaid, that they know the seal of said corporation,  
that the seal affixed to the preceding instrument is such corporate seal and their signatures as such officers were duly affixed and subscribed to  
said instrument by the authority and direction of the said Company, that each is familiar with the handwriting of the other, and that the signa-  
tures subscribed to the foregoing instrument are genuine.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Notarial Seal, at the City of Baltimore, the day and year  
first above written.

(Seal)  
(Signed)

J. R. Herman

Notary Public.

My commission expires May 7, 1951

CERTIFICATE

I, H. A. Sadler, Assistant Secretary of the NEW AMSTERDAM CASUALTY COMPANY,  
do hereby certify that the foregoing Power-of-Attorney is a true and correct copy of Power-of-Attorney issued to the  
above named agent and attorney -in-fact and that said Power-of-Attorney is still in force.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said  
Company this 24th day of November, A. D. 19 52.

Assistant Secretary.

CONSOLIDATED LIST OF OWNERS OF TAXABLE REAL PROPERTY ON FISHERS ISLAND WHOSE SIGNATURES APPEAR ON THE PETITIONS ATTACHED HERETO:

<u>PROPERTY OWNER</u>	<u>RESIDENT</u>	<u>NON-RESIDENT</u>	<u>TOTAL</u>
Mrs. Edmund R. Andrews	\$9,000.		\$9,000.
Walter B. Allen		\$5,700.	5,700.
Romeo Abbondanza & wife	1,000.		1,000.
Sylvester Arasimowicz	2,500.		2,500.
Lydia L. Blagden		6,100.	6,100.
Margaret M. Bogert		10,400.	10,400.
Delsie E. Brooks	900.		900.
Harold Baker & Wife	4,700.		4,700.
Delma E. Best	1,300.		1,300.
Walter G. Buckner		5,500.	5,500.
Charles S. Campbell		7,000.	7,000.
Wm. D. Campbell		6,000.	6,000.
Jane R. Chester		3,400.	3,400.
Whitney B. Choate		3,700.	3,700.
Winifred B. Clark	28,800.		28,800.
Onolee M. Coffey		5,900.	5,900.
Joseph L. Croll		8,800.	8,800.
C. C. Dailey		6,000.	6,000.
Annie Daniels	700.		700.
Lammot duPont		6,900.	6,900.
Mary Y. Edmonds	5,600.		5,600.
Dorothy Edwards	1,900.		1,900.
Raymond W. Edwards		2,500.	2,500.
Henry L. Eldredge	1,500.		1,500.
Lily C. Emmet		3,000.	3,000.
A. L. Ferguson		1,700.	1,700.
Charles B. Ferguson		1,900.	1,900.
H. Lee Ferguson, Jr. & wife	3,500.		3,500.
Henry L. Ferguson & wife	12,000.		12,000.
Fishers Island Farms, Inc.	99,400.		99,400.
" " Electric Corp.	90,000.		90,000.
" " Telephone "	18,000.		18,000.
Linus Foyle	3,600.		3,600.
Virginia B. France	6,600.		6,600.
W. S. Fulton		22,300.	22,300.
A. J. Gada	7,600.		7,600.
A. J. Gada & Wife	1,500.		1,500.
Wm. D. Gaillard		22,500.	22,500.
Leland H. Goss	1,500.		1,500.
Jessie M. Gray		5,000.	5,000.
Alfred R. Grebe	4,200.		4,200.
Louis Grieco	6,500.		6,500.
Harry L. Guest	1,300.		1,300.
H. C. Hansen	7,000.		7,000.
Irving D. Harris		5,300.	5,300.
Hay Harbor Realty, Inc.		28,600.	28,600.
Bertha S. Hedge	1,500.		1,500.
Charles W. Hedge	4,200.		4,200.
Henry W. Hobson		6,500.	6,500.
Francis Kernan		10,000.	10,000.
Maud T. Kernan		9,000.	9,000.
Barron Kidd		19,500.	19,500.
Mehal Kiross	5,500.		5,500.
Raymond A. Lamb	6,900.		6,900.
Adelard T. LeGare	4,500.		4,500.
Herbert I. Lord		4,700.	4,700.
Oswald B. Lord		5,100.	5,100.
J. Ward Meier		5,000.	5,000.
Wm. B. May		3,700.	3,700.
Robert Middleton	2,400.		2,400.
John M. Moore	1,800.		1,800.
Mary S. Murphy		10,000.	10,000.
Nazzare Oliveri	1,700.		1,700.
Anne W. O'Shea		9,000.	9,000.
Arthur J. Paquette	2,800.		2,800.
Charles B. Parsons		4,500.	4,500.
Martha F. Pendleton	30,000.		30,000.
Beatrice Phillips (AsaP.)		3,300.	3,300.
James B. Pickett	3,300.		3,300.
<b>TOTALS * WEST END</b>	<b>\$385,200.</b>	<b>\$258,500.</b>	<b>\$643,700</b>

<u>Balance Fwd.</u>	<u>Resident</u>	<u>Non-Resident</u>	<u>Total</u>
	\$385,200.	\$258,500.	\$643,700.
Stewart B. Plattenberger		9,900.	9,900.
Katherine S. Polk		11,000.	11,000.
Mary C. Pollack		1,000.	1,000.
Marshall L. Posey		4,200.	4,200.
Guisepppe Ripanyi	2,500.		2,500.
Wm. C. Ridgeway		19,600.	19,600.
Albert Romania		3,400.	3,400.
Dorothy M. Russell		8,600.	8,600.
Theodore Russell		2,800.	2,800.
Guy G. Rutherford		8,400.	8,400.
Stanley Rybitski	5,900.		5,900.
Katherine R. Salvage		39,400.	39,400.
Edwina C. Sanger		5,300.	5,300.
Bert Scagliotti	4,000.		4,000.
Jean M. Small		4,000.	4,000.
Catherine M. Smith		4,400.	4,400.
Donald W. Sinclair	6,600.		6,600.
Patricia H. Stedman		6,000.	6,000.
Anthony Stefanini	6,200.		6,200.
K. T. Stone		3,400.	3,400.
Rodman K. Tilt		6,600.	6,600.
David W. Torrance		4,600.	4,600.
Galileo Valentini	2,800.		2,800.
Robert Waddington	2,800.		2,800.
Ernest R. Wall	1,100.		1,100.
Arthur J. Walsh & wife	2,800.		2,800.
Blair S. Williams		2,500.	2,500.
David R. Wilmerding		6,800.	6,800.
Lila Wilmerding		16,000.	16,000.
Annette Zabohonski	4,400.		4,400.
Henry Zabohonski & wife	21,900.		21,900.
Mario C. Zanghetti	1,000.		1,000.
Hiben Ziesing		7,200.	7,200.
Kathleen Paquet	2,100.		2,100.
Elsie C. White		11,800.	11,800.
Madeleine A. Renaud	12,400.		12,400.
<b>TOTALS: WEST END</b>	<b>\$461,300.</b>	<b>\$445,400.</b>	<b>\$906,700.</b>



<u>PROPERTY OWNER</u>	<u>RESIDENT</u>	<u>NON-RESIDENT</u>	<u>TOTAL</u>
James H. Ackerman		\$9,000.	\$9,000.
Adolph Ahlgren		2,200.	2,200.
Theodore Arasonowics	\$600.		\$600.
Lawrence S. Baldwin	1,500.		1,500.
" " "	500.		500.
John H. Barnes, Jr.		7,000.	7,000.
Dorothy C. Benton		22,300.	22,300.
Margaret M. Bogert		2,300.	2,300.
Bertha S. Brown		16,000.	16,000.
Helen Glenn Bryce		2,000.	2,000.
Albert Chaplaski	2,100.		2,100.
Winifred J. Cooper		34,000.	34,000.
Anne M. Davis		20,000.	20,000.
Lamot duPont		12,000.	12,000.
Lamot duPont, Jr.		25,000.	25,000.
Pierre S. duPont		30,400.	30,400.
Reynolds duPont		52,200.	52,200.
Van Horn Ely		28,000.	28,000.
Sarah E. Evans		9,900.	9,900.
Alfred L. Ferguson		28,000.	28,000.
Charles V. Ferguson		21,400.	21,400.
Fishers Island Estates, Inc.		215,600.	215,600.
Wm. S. Fulton		10,000.	10,000.
Mary E. Haines		22,600.	22,600.
W. F. Harrington		46,000.	46,000.
F. Barton Harvey		20,000.	20,000.
Lucy S. Hockmeyer		19,700.	19,700.
Ellen C. Houghton		10,000.	10,000.
Wm. H. Hubbard		20,800.	20,800.
H. Arnold Jackson		18,000.	18,000.
Virginia K. Jones		19,000.	19,000.
E. A. Matthiessen		23,100.	23,100.
Mrs. A. A. McDonnell		33,200.	33,200.
W. T. McIntire		20,000.	20,000.
Joseph Middlebrook		12,900.	12,900.
Edward C. Page		10,000.	10,000.
Maxwell S. Porter		10,000.	10,000.
Wm. T. Reed Estate		12,000.	12,000.
Richard E. Riegel		42,000.	42,000.
Wm. M. Robbins		24,700.	24,700.
Dorothy M. Russell		3,000.	3,000.
Grant G. Simmons		58,000.	58,000.
Joseph L. Smith	1,500.		1,500.
Helen T. Stanley		25,800.	25,800.
J. Dean Tilford		33,700.	33,700.
Katherine B. Tower		32,900.	32,900.
A. B. Wallace		10,000.	10,000.
J. Cheney Wells		26,600.	26,600.
John Hay Whitney		95,000.	95,000.
Nancy A. Fuller		20,500.	20,500.
<b>TOTALS: PARK AREA</b>	<b>\$6,200.</b>	<b>\$1,216,800.</b>	<b>\$1,223,000.</b>

TOTAL ASSESSED VALUATION AS PER 1951-1952 TAX ROLL:

Resident Property Owners	\$611,200.	
Non-Resident " "	<u>2,829,600.</u>	<u>\$3,440,800.</u>

<u>PETITION TOTALS:</u>	<u>Resident</u>	<u>Non-Resident</u>	<u>TOTAL</u>
Page #1	\$385,200.	\$258,500.	\$643,700.
Page #2	76,100.	186,900.	263,000.
Page #3	6,200.	1,216,800.	1,223,000.
<u>TOTALS</u>	<u>\$467,500.</u>	<u>\$1,662,200.</u>	<u>\$2,129,700.</u>

*This Summary*  
*Prepared and submitted by*  
*E. Perry Edwards*  
*Justice of the Peace*  
*Fishers Island*  
*Town of Southold, N.Y.*  
*Sept. 19, 1957*

TO THE TOWN BOARD OF THE TOWN OF SOUTHOLD:

We, the undersigned, being owners of taxable real property situate in Fishers Island, Town of Southold, County of Suffolk and State of New York, and in the proposed district hereinafter described, and owning in the aggregate more than one-half of the assessed valuation of all the taxable real property of said proposed district, as shown upon the latest completed assessment roll of said Town, and including resident owners of said district of taxable real property aggregating at least one-half of all the taxable real property of said Town owned by resident owners, according to the latest completed assessment roll, do hereby petition your Honorable Board to create and establish a REFUSE AND GARBAGE DISTRICT, pursuant to Article 12, sub-division 191, of the Town Law and of the provisions applicable thereto, which is to be located in the Town of Southold, County of Suffolk and State of New York, outside of any incorporated village and wholly within the Town of Southold, within the entire area of Fishers Island in said Town, exclusive of any United States Military reservations, said District being described as follows:

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H. G. Wright," "Mount Prospect," "Wilderness Point" and "Coast Guard Station No. 59," all as shown on map accompanying this petition, said territory being bounded and described as follows:

On North by Fishers Island Sound; on the East by Block Island Sound; on the South by Block Island Sound and U. S. Government reservations; on the West by Fort H. G. Wright, U. S. Military reservations, and Block Island Sound.

The intent and purpose of said proposed Refuse and Garbage District is to secure and furnish such appurtenances and other facilities as may be necessary for the sanitary disposal of refuse, garbage, ashes, rubbish and other waste materials in said District, as the facilities now provided were discontinued and withdrawn at the close of the year 1950. It is, therefore, vitally essential that means be instituted at once with full authorization to take over and perform this work.

The maximum amount proposed to be expended in the construction work of the District and the acquisition of the necessary land is \$50,000.00, according to the provisions of Sections 202 and 202a of the Town Law; the cost of said construction and maintenance shall be assessed, levied and collected from the several lots and parcels of land within the District in the manner and at the time as provided by Section 202, sub-division 3 of the Town Law.



NAME OF PROPERTY OWNER	RESIDENCE	SUBSCRIBING WITNESS	ASSESSED VALUATION OF REAL PROPERTY
<i>F. Barton Harvey</i>	Baltimore, Md.	<i>M. J. Posey</i>	\$20,000.00
<i>Hydral Blood</i>	New York City	<i>M. J. Posey</i>	6,100.00
<i>Rodman K. Tilt</i>	Chestnut Hill, Mass.	<i>M. J. Posey</i>	3,000.00
<i>Dorothy C. Benton</i>	New York City	<i>M. J. Posey</i>	22,300.00
<i>William H. Tilt</i>	Fishers Island	<i>M. J. Posey</i>	22,300.00
<i>Faith Whiting Ziesing</i>	Fishers Island	<i>M. J. Posey</i>	7,200.00
<i>Onolee W. Coffey</i>	Fishers Island	<i>M. J. Posey</i>	5,900.00
<i>Donald W. Sinclair</i>	Fishers Island	<i>M. J. Posey</i>	6,600.00
<i>Mary E. Haines</i>	Fishers Island	<i>M. J. Posey</i>	22,600.00
<i>Anne W. O'Shea</i>	Washankon N.Y.	<i>M. J. Posey</i>	9,000.00
<i>Catherine C. Dailey</i>	Upper Montclair N.J.	<i>M. J. Posey</i>	6,000.00
<i>Jean P. Tilt</i>	Chestnut Hill, Mass.	<i>M. J. Posey</i>	(See R. K. Tilt)
<i>Whitner Choate</i>	Glen Cove, N.Y.	<i>M. J. Posey</i>	3,700.00
<i>Albert Romania</i>	Arden-on-the-Hudson, N.Y.	<i>M. J. Posey</i>	3,700.00
<i>Alice H. Sinclair</i>	Miami, Florida	<i>M. J. Posey</i>	3,400.00
	Englewood, N.J.	<i>M. J. Posey</i>	(See D. W. Sinclair)
<b>Total</b>			<b>\$147,800.00</b>

STATE OF NEW YORK )  
TOWN OF SOUTHOLD ) ss.  
COUNTY OF SUFFOLK )  
On this 28<sup>th</sup> day of August, 1951, before me came M. J. Posey, the SUBSCRIBING WITNESS to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depost and say that he resides in Fishers Island, Suffolk County, New York, that he knows

- |                         |                         |                            |                           |
|-------------------------|-------------------------|----------------------------|---------------------------|
| <u>F. Barton Harvey</u> | <u>India L. Blagden</u> | <u>Rodman K. Tilt</u>      | <u>Dorothy C. Benton</u>  |
| <u>Wm. S. Fulton</u>    | <u>Faith W. Ziesing</u> | <u>Onolee W. Coffey</u>    | <u>Donald W. Sinclair</u> |
| <u>Mary E. Haines</u>   | <u>Anne W. O'Shea</u>   | <u>Catherine C. Dailey</u> | <u>Jean P. Tilt</u>       |
| <u>Whitner Choate</u>   | <u>Mr. R. Day</u>       | <u>Albert Romania</u>      | <u>Alice H. Sinclair</u>  |

TO BE THE INDIVIDUALS DESCRIBED IN, AND WHO EXECUTED the foregoing instrument; that he, the SUBSCRIBING WITNESS, was present and saw them sign the same; and that he, said WITNESS, at the same time subscribed his name as witness thereto.

M. J. Posey  
Subscribing Witness

Lucy J. Ahman  
Notary Public

LUCY J. AHMAN  
NOTARY PUBLIC, STATE OF NEW YORK  
No. 52-0028880  
Qualified in Suffolk County  
Term expires March 30, 1953















NAME OF PROPERTY OWNER	RESIDENCE	SUBSCRIBING WITNESS	ASSESSED VALUATION OF REAL PROPERTY
1/ <del>Richard S. Baker</del>	Fishers Island	E. P. Edwards	\$12,900.
<del>Polly Edwards</del>	Fishers Island	E. P. Edwards	(Not listed)
			(New owner)
1/ <del>Richard S. Baker</del>	Fishers Island	E. P. Edwards	(P.I. Farms list)
1/ <del>Jean M. Small</del>	Fishers Island	E. P. Edwards	4,000.
1/ <del>Margaret J. Gada</del>	Fishers Island	E. P. Edwards	1,500.
1/ <del>A. John Gada</del>	" "	E. P. Edwards	7,600.
1/ <del>Martha G. Ferguson</del>	Fishers Island	E. P. Edwards	8,500.
1/ <del>Madeleine A. Renaud</del>	Fishers Island	E. P. Edwards	4,400.
1/ <del>Mary Kiross</del>	Fishers Island	E. P. Edwards	5,500.
1/ <del>Adelard T. LeGere</del>	" "	E. P. Edwards	4,500.
	Fishers Island	E. P. Edwards	3,300.
1/ <del>Mildred E. Andrews</del>	Fishers Island	E. P. Edwards	14,000.
1/ <del>Dorothy B. Edwards</del>	Fishers Island	E. P. Edwards	1,900.
1/ <del>Alfred J. Ferguson</del>	" "	E. P. Edwards	26,000. (New instrument)
1/ <del>Ernest R. Wall</del>	Fishers Island N.Y.	E. P. Edwards	1,100.
1/ <del>Robert Middleton</del>	Fishers Island N.Y.	E. P. Edwards	2,100.
Total			\$99,600. <sup>00</sup> <del>\$71,600.00</del>

STATE OF NEW YORK )  
TOWN OF SOUTHOLD ) ss.  
COUNTY OF SUFFOLK )

On this 5th day of September, 1951, before me came E. P. Edwards, the SUBSCRIBING WITNESS to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides in Fishers Island, Suffolk County, New York, that he knows

J. Middlebrook, Jr.    Richard S. Baker    Jean M. Small    Margaret J. Gada  
A. John Gada    Martha G. Ferguson    Madeleine A. Renaud    Mary Kiross  
Adelard T. LeGere    Beatrice Phillips    Mildred E. Andrews    Dorothy B. Edwards  
Ernest R. Wall    Robert Middleton    -----    -----

TO BE THE INDIVIDUALS DESCRIBED IN, AND WHO EXECUTED the foregoing instrument; that he, the SUBSCRIBING WITNESS, was present and saw them sign the same; and that he, said WITNESS, at the same time subscribed his name as witness thereto.

E. P. Edwards  
Subscribing Witness

Lucy J. Ahman  
Notary Public  
LUCY J. AHMAN  
NOTARY PUBLIC, STATE OF NEW YORK  
No. 52,0028880  
Qualified in Suffolk County  
Term expires March 30, 1953



NAME OF PROPERTY OWNER	RESIDENCE	SUBSCRIBING WITNESS	ASSESSED VALUATION OF REAL PROPERTY
<u>Ag Chyngata hi</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>2,100.00</u>
<u>H. C. Hansen</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>7,000.00</u>
<u>Linus C. Foyle</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>3,600.00</u>
<u>Martha F. Pendleton</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>30,000.00</u>
<u>Bert Scagliotti</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>6,400.00</u>
<u>Arthur J. Walsh</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>2,400.00</u>
<u>John M. Moore</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>1,800.00</u>
<u>Robert Waddington</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>2,800.00</u>
<u>Louis Grieco</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>6,500.00</u>
<u>L. H. Goss</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>1,500.00</u>
<u>A. R. Grebe</u>	<u>"</u>	<u>E. P. Edwards</u>	<u>4,200.00</u>
<u>Mary Y. Edmonds</u>	<u>"</u>	<u>E. P. Edwards</u>	<u>5,600.00</u>
<u>Gladys S. Baker</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>4,700.00</u>
<u>Harold J. Baker</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>1,300.00</u>
<u>Harry L. Guest</u>	<u>Fishers Island N.Y.</u>	<u>E. P. Edwards</u>	<u>1,300.00</u>
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Total, \$79,900.00

STATE OF NEW YORK )  
TOWN OF SOUTHOLD ) ss.  
COUNTY OF SUFFOLK )

On this 5th day of September, 1951, before me came E. P. Edwards, the SUBSCRIBING WITNESS to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides in Fishers Island, Suffolk County, New York, that he knows

<u>Albert Chaplaski</u>	<u>H. C. Hansen</u>	<u>Linus C. Foyle</u>	<u>Martha F. Pendleton</u>
<u>Bert Scagliotti</u>	<u>Arthur J. Walsh</u>	<u>John M. Moore</u>	<u>Robert Waddington</u>
<u>Louis Grieco</u>	<u>L. H. Goss</u>	<u>A. R. Grebe</u>	<u>Mary Y. Edmonds</u>
<u>Gladys S. Baker</u>	<u>Harold J. Baker</u>	<u>Harry L. Guest</u>	

TO BE THE INDIVIDUALS DESCRIBED IN, AND WHO EXECUTED the foregoing instrument; that he, the SUBSCRIBING WITNESS, was present and saw them sign the same; and that he, said WITNESS, at the same time subscribed his name as witness thereto.

E. P. Edwards  
Subscribing Witness

Lucy J. Ahman  
Notary Public

LUCY J. AHMAN  
NOTARY PUBLIC, STATE OF NEW YORK  
No. 52-0028880  
Qualified in Suffolk County  
Term expires March 30, 1953

NAME OF PROPERTY OWNER	RESIDENCE	SUBSCRIBING WITNESS	ASSESSED VALUATION OF REAL PROPERTY
W. C. Ridgway Jr. and Emily P. Ridgway	Short Hills, N.J.	Martha F. Kendall	\$19,600.00
Dorothy M. Russell	Hartford Conn.	Martha F. Kendall	8,600.00
Hazel R. Johnson	Schenectady, N.Y.	Martha F. Kendall	(Not listed)
Virginia K. Jones	Columbus, Ohio	Martha F. Kendall	19,000.00
Margaret M. Robert	Yonkers	Martha F. Kendall	10,400.00
Herbert L. Lord	Grasse Pointe, Mich.	Martha F. Kendall	1,700.00
Alice M. McDonnell	Yonkers, N.Y.	Martha F. Kendall	33,200.00
Jessie M. Gray	Waterbury, Conn.	Martha F. Kendall	1,600.00
Elizabeth R. Maier	Richmond Va.	Martha F. Kendall	5,000.00
Lamont duPont	New Rochelle, N.Y.	Martha F. Kendall	See WARDMAKER 5,000.00
Martha F. Kendall	Wilmington, Del.	Martha F. Kendall	23,700.00
Alice L. Posey	Short Hills, N.J.	Martha F. Kendall	1,200.00
Marshall L. Posey	Short Hills, N.J.	Martha F. Kendall	-----
		Martha F. Kendall	/////
		Martha F. Kendall	/////
<b>Total</b>			<b>\$138,000.00</b>

STATE OF NEW YORK )  
TOWN OF SOUTHOLD ) ss.  
COUNTY OF SUFFOLK )

On this 27<sup>th</sup> day of August, 1951, before me came Martha F. Kendall, the SUBSCRIBING WITNESS to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides in Fishers Island, Suffolk County, New York, that he knows

Mr. C. Ridgway, Jr.      Emily P. Ridgway      Dorothy M. Russell      Virginia K. Jones  
Margaret M. Robert      Herbert L. Lord      Mrs. A. A. (Onalee) McDonnell  
David L. Torrance      Jessje .. Gray      Elizabeth R. Maier      Lamont duPont  
Alice L. Posey      Marshall L. Posey

TO BE THE INDIVIDUALS DESCRIBED IN, AND WHO EXECUTED the foregoing instrument; that he, the SUBSCRIBING WITNESS, was present and saw them sign the same; and that he, said WITNESS, at the same time subscribed his name as witness thereto.

Martha F. Kendall  
Subscribing Witness

Lucy J. Ahman  
Notary Public

LUCY J. AHMAN  
NOTARY PUBLIC, STATE OF NEW YORK  
No. 52-0028980  
Qualified in Suffolk County  
Term expires March 30, 1953









NAME OF PROPERTY OWNER	RESIDENCE	SUBSCRIBING WITNESS	ASSESSED VALUATION OF REAL PROPERTY
Jane R. Chester	Greenwich Ct. Connecticut	Edward C. Page	\$3,400.00
Engel Mathieson	Stamford, Ct. Connecticut	Edward C. Page	23,100.00
Virginia B. France	Wilmington, Del. Connecticut	Edward C. Page	6,600.00
Katherine S. Polk	N.Y.C. Connecticut	Edward C. Page	11,000.00
Pierre S. DuPont, 3rd	Wilmington, Del. Connecticut	Edward C. Page	30,400.00
Blair S. Williams	N.Y.C. Connecticut	Edward C. Page	2,500.00
W. F. Harrington	Wilmington, Del. Connecticut	Edward C. Page	46,000.00
Walter B. Allen	Wilmington, Del. Connecticut	Edward C. Page	5,700.00
Edith duPont Riegel	Wilmington, Del. Connecticut	Edward C. Page	42,000.00
Richard E. Riegel	Wilmington, Del. Connecticut	Edward C. Page	-----
Reynolds duPont	Greenville, Del. Connecticut	Edward C. Page	52,200.00
Katherine L. duPont	Greenville, Del. Connecticut	Edward C. Page	-----
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			//////
<b>Total</b>			<b>\$222,900.00</b>

STATE OF NEW YORK )  
TOWN OF SOUTHBOLD ) ss.  
COUNTY OF SUFFOLK ) On this 21st day of August, 1951, before me came Edward C. Page, the SUBSCRIBING WITNESS to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides in Fishers Island, Suffolk County, New York, that he knows

Jane R. Chester      E. A. Matthiessen      Virginia B. France      Katherine S. Polk  
Pierre S. DuPont, 3rd      Blair S. Williams      W. F. Harrington      Walter B. Allen  
Edith duPont Riegel      Richard E. Riegel      Reynolds duPont      Katherine L. duPont

TO BE THE INDIVIDUALS DESCRIBED IN, AND WHO EXECUTED the foregoing instrument; that he, the SUBSCRIBING WITNESS, was present and saw them sign the same; and that he, said WITNESS, at the same time subscribed his name as witness thereto.

Edward C. Page  
Subscribing Witness

Lucy I. Ahman  
Notary Public

LUCY I. AHMAN  
NOTARY PUBLIC, STATE OF NEW YORK  
No. 52-0028880  
Qualified in Suffolk County  
Term expires March 30, 1953







NAME OF PROPERTY OWNER	RESIDENCE	SUBSCRIBING WITNESS	ASSESSED VALUATION OF REAL PROPERTY
William T. Reed et al	Firsta Street, East Richmond Va.	L. C. Foye	12,000.
A. B. Wallace	Springfield Mass	L. C. Foye	10,000.
Agent L. C. Foye	Southbury Mo	L. C. Foye	24,600.
Samuel S. ...	Summitville Va	L. C. Foye	25,000.
Trustee ...	Greenwich Conn	L. C. Foye	24,700
James H. Ackerman	37 Hodge Rd Princeton N.J.	L. C. Foye	9,000.
Sara E. Evans	5300 Wilkins Ave Philadelphia Pa	L. C. Foye	9,900.
Henry J. Fuller	1035 Fifth Ave N.Y.C. (25)	L. C. Foye	10,000.
Marcell S. Porter	591 Lincoln St Newburgh, Conn.	L. C. Foye	3,300.
James B. Pickett	Fishers Island New York	L. C. Foye	20,250.00.
John H. Whitney	630 Fifth Ave N.Y.C.	L. C. Foye	
Nancy A. Fuller	1035 Fifth Ave N.Y.C. (See above)	L. C. Foye	

Total 246,000.

STATE OF NEW YORK )  
 TOWN OF SOUTHOLD ) ss.  
 COUNTY OF SUFFOLK ) On this 5<sup>th</sup> day of Sept., 1951, before me came Lucy F. Ahman, the SUBSCRIBING WITNESS to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides in Fishers Island, Suffolk County, New York, that he knows

Wm. T. Reed Estate Agent      Lammot duPont, Jr.      Wm. M. Robbins  
A. B. Wallace      J. C. Wells Agent      James H. Ackerman      Sarah E. F. Evans  
Henry J. Fuller      Marcell S. Porter      James B. Pickett      John H. Whitney  
Nancy A. Fuller

TO BE THE INDIVIDUALS DESCRIBED IN, AND WHO EXECUTED the foregoing instrument; that he, the SUBSCRIBING WITNESS, was present and saw them sign the same; and that he, said WITNESS, at the same time subscribed his name as witness thereto.

Lucy F. Ahman  
 Subscribing Witness

Lucy F. Ahman  
 Notary Public

LUCY F. AHMAN  
 NOTARY PUBLIC, STATE OF NEW YORK  
 No. 52-0028880  
 Qualified in Suffolk County  
 Term expires March 22, 1953







ISLAND TRAVELER—MATTITUCUS

STATE OF NEW YORK, )  
COUNTY OF SUFFOLK, ) ss:-

LEGAL NOTICE

At a meeting of the Town Board of the Town of Southold, Suffolk County, New York held at 16 South Street, Municipal Building in the Village of Greenport, New York, on the 11th day of March, 1952.

PRESENT:  
Norman E. Klipp  
Supervisor  
Harry Terry  
Justice of the Peace  
Ralph W. Tuthill  
Justice of the Peace  
Henry A. Clark  
Justice of the Peace

In the Matter of  
The petition for the establishment of a Refuse and Garbage District at Fishers Island in the Town of Southold, Suffolk County, New York.

WHEREAS, a written petition, dated August 21, 1951, in due form and containing the required signatures has been presented to and filed with the Town Board of the Town of Southold, Suffolk County, New York, for the establishment of a Refuse and Garbage District in the said Town, to be described as follows:

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H. G. Wright," "Mount Prospect," "Wilderness Point" and "Coast Guard Station No. 59," all as shown on map accompanying the petition, said territory being bounded and described as follows:

On the North by Fishers Island Sound; on the East by Block Island Sound; on the South by Block Island Sound and U. S. Government reservations; on the West by Fort H. G. Wright, U. S. Military reservations; and Block Island Sound.

WHEREAS, the improvements proposed consist of the securing and furnishing such appurtenances and other facilities as may be necessary for the sanitary disposal of refuse, garbage, ashes, rubbish and other waste materials in said district, and

WHEREAS, the maximum amount proposed to be expended for the construction work of the district and the acquisition of the necessary land as stated in the said petition is the sum of \$50,000, it is hereby

ORDERED that a meeting of the Town Board of the said Town of Southold be held at the Fishers Island Schoolhouse at Fishers Island, New York on the 4th day of April, 1952 at 9:30 A. M. in the forenoon of that day, to consider the said petition and to hear all persons interested in the subject thereof, concerning the same, and for such other action on the part of the Town Board with relation to the said petition as may be required by law or proper in the premises.

Dated: March 11, 1952.  
NORMAN E. KLIPP  
Supervisor  
HARRY TERRY  
RALPH W. TUTHILL  
HENRY A. CLARK

Members of the Town Board of the Town of Southold, Suffolk County, New York.

STATE OF NEW YORK )  
COUNTY OF SUFFOLK ) ss:  
TOWN OF SOUTHOLD )

I, RALPH P. BOOTH, Town Clerk of the Town of Southold, Suffolk County, N. Y., do hereby certify that I have compared the preceding order with the original thereof filed in my office at Southold, Suffolk County, New York, on the 11th day of March, 1952, and that the same is a true and correct copy of said original and of the whole thereof.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of said Town, this 11th day of March, 1952.

Ralph P. Booth  
Town Clerk of the Town of Southold, Suffolk County, New York.

Harold J. Baker, being

duly sworn, deposes and says that he resides at Fishers Island, New York, and is over the age of 21 years; that on the 21<sup>st</sup> day of March, 1952, he posted copies of the attached notice conspicuously in the following public places on Fishers Island, New York, as follows:

One on the Bulletin Board of the United States Post Office, Fishers Island, New York.

One at the public place  
16 South Street,  
Fishers Island, N. Y.

One at the Royal Scarlet Stores  
Equestrian Ave.,  
Fishers Island, N. Y.

One at Harbor Foods Super Market  
Crescent Ave.,  
Fishers Island, N. Y.

One at F. I. Ferry District Dock  
Fishers Island, N. Y.

Harold J. Baker

Subscribed and sworn to before me this 21<sup>st</sup> day of March, 1952.

Lucy J. Alman  
Notary Public, Suff. Co., N.Y.

LUCY J. ALMAN  
NOTARY PUBLIC, STATE OF NEW YORK  
No. 3611000  
Qualified in Suffolk County  
Term expires March 30, 1953

At a meeting of the Town Board of the Town of Southold, Suffolk County, New York held at 16 South Street, Municipal Building in the Village of Greenport, New York, on the 11th day of March, 1952.

**PRESENT:**  
Norman E. Klipp  
Supervisor  
Harry Terry  
Justice of the Peace  
Ralph W. Tuthill  
Justice of the Peace  
Henry A. Clark  
Justice of the Peace

In the Matter  
of

The petition for the establishment of a Refuse and Garbage District at Fishers Island in the Town of Southold, Suffolk County, New York.

WHEREAS, a written petition, dated August 21, 1951, in due form and containing the required signatures has been presented to and filed with the Town Board of the Town of Southold Suffolk County, New York for the establishment of a Refuse and Garbage District in the said Town, to be described as follows:

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H. G. Wright," "Mount Prospect," "Wilderness Point" and "Coast Guard Station No. 58," all as shown on map accompanying the petition, said territory being bounded and described as follows:

On the North by Fishers Island Sound; on the East by Block Island Sound; on the South by Block Island Sound and U. S. Government reservations; on the West by Fort H. G. Wright, U. S. Military reservations; and Block Island Sound.

WHEREAS, the improvements proposed consist of the securing and furnishing such appurtenances and other facilities as may be necessary for the sanitary disposal of refuse, garbage, ashes, rubbish and other waste materials, in said district, and

WHEREAS, the maximum amount proposed to be expended for the construction work of the district and the acquisition of the necessary land as stated in the said petition is the sum of \$50,000, it is hereby

ORDERED that a meeting of the Town Board of the said Town of Southold be held at the Fishers Island Schoolhouse at Fishers Island, New York on the 4th day of April, 1952 at 9:30 A. M. in the forenoon of that day, to consider the said petition and to hear all persons interested in the subject thereof, concerning the same, and for such other action on the part of the Town Board with relation to the said petition as may be required by law or proper in the premises.

Dated: March 11, 1952.

NORMAN E. KLIPP  
Supervisor

HARRY TERRY  
RALPH W. TUTHILL  
HENRY A. CLARK

Members of the Town Board of the Town of Southold, Suffolk County, New York.

STATE OF NEW YORK )  
COUNTY OF SUFFOLK ) ss:  
TOWN OF SOUTHOLD )

I, RALPH P. BOOTH, Town Clerk of the Town of Southold, Suffolk County, N. Y., do hereby certify that I have compared the preceding order with the original thereof filed in my office at Southold, Suffolk County, New York, on the 11th day of March, 1952, and that the same is a true and correct copy of said original and of the whole thereof.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of said Town, this 11th day of March, 1952.

Ralph P. Booth  
Town Clerk of the Town of Southold, Suffolk County, New York.

COUNTY OF SUFFOLK  
STATE OF NEW YORK 55.

Frederick C. Hawkins, being duly sworn, says that he is the owner and publisher of THE LONG ISLAND TRAVELER - MATTITUCK WATCHMAN, a public newspaper printed at Southold, in Suffolk County; and that the notice of which the annexed is a printed copy, has been published in said Long Island Traveler Mattituck Watchman once each week for One (1) weeks successively, commencing on the 20<sup>th</sup> day of March 1952

*Frederick C. Hawkins*

Sworn to before me this 21<sup>st</sup> day of

March 1952

*Edelf Payne*

Notary Public

EDLEF PAYNE  
Notary Public, State of New York  
No. 152,3041C-00  
Commission Expires March 10, 1953

# PUBLISHERS' CERTIFICATE

At a meeting of the Town Board of the Town of Southold, Suffolk County, N. Y., held at 16 South Street, Municipal Building in the Village of Greenport, N. Y., on the 11th day of March, 1952.

Present: Norman E. Klipp, Supervisor; Harry Terry, Justice of the Peace; Ralph W. Tuttle, Justice of the Peace; Henry A. Clark, Justice of the Peace.

In the matter of the petition for the establishment of a Refuse and Garbage District at Fishers Island in the Town of Southold, Suffolk County, N. Y.

WHEREAS a petition, dated Aug. 21, 1951, in due form and containing the required signatures has been presented to and filed with the Town Board of the Town of Southold, Suffolk County, N. Y., for the establishment of a Refuse and Garbage District in the said Town to be described as follows:

All the real property of Fishers Island, in the Town of Southold, County of Suffolk and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H. C. Wright" and "Coast Guard Station No. 1" as shown on map accompanying the petition, said territory being bounded and described as follows:

On the North by Fishers Island Sound, on the East by Block Island Sound, on the South by Block Island Sound and U. S. Government reservations, on the West by Fort H. C. Wright, U. S. Military reservations, and Block Island Sound.

WHEREAS the improvements proposed consist of the securing and furnishing such appliances and other facilities as may be necessary for the sanitary disposal of refuse, garbage, ashes, rubbish and other waste materials in said district, and

WHEREAS the maximum amount proposed to be expended for the construction work of the district and the acquisition of the necessary land as stated in the said petition is the sum of \$50,000, it is hereby

ORDERED that a meeting of the Town Board of the said Town of Southold be held at the Fishers Island Schoolhouse at Fishers Island, N. Y., on the 4th day of April, 1952 at 9:30 A. M. in the forenoon of that day, to consider the said petition and to hear all persons interested in the subject thereof, concerning the same and for such other action on the part of the Town Board with relation to the said petition as may be required by law or proper in the premises.

Dated: March 11, 1952.  
 NORMAN E. KLIPP, Supervisor.  
 HARRY TERRY, Justice of the Peace.  
 RALPH W. TUTTLE, Justice of the Peace.  
 HENRY A. CLARK, Justice of the Peace.  
 Members of the Town Board of the Town of Southold, Suffolk County, New York.

STATE OF NEW YORK, County of Suffolk, Town of Southold, ss. J. Ralph P. Booth, Town Clerk of the Town of Southold, Suffolk County, N. Y., do hereby certify that I have compared the preceding order with the original thereof filed in my office at Southold, Suffolk County, N. Y., on the 11th day of March, 1952, and that the same is a true and correct copy of said original and of the whole thereof.

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed the seal of said Town, this 11th day of March, 1952.

RALPH P. BOOTH,  
 Town Clerk of the Town of Southold, Suffolk County, N. Y.

State of Connecticut, }  
 County of New London, } ss. New London.

On this 22nd day of March, 1952

A. D. 1932 personally appeared before the undersigned, a Notary Public, within and for said County and State,  
 Barnard L. Colby, Assistant Gen. Mgr.

..... of THE DAY, a daily evening newspaper published at New London, County of New London, State of Connecticut, who being duly sworn, states on oath, that the Order of Notice in the case of Notice for Meeting (Town of Southold, Suffolk County, N. Y.) to establish refuse garbage District, Fishers Island a true copy of which is hereunto annexed, was published in said newspaper in

its issues of the 2nd days of March, 1952 A. D. 1932

*[Signature]*

Subscribed and sworn to before me this 22nd

day of March, 1952 A. D. 1932

*[Signature]*  
 Notary Public.

At a meeting of the Town Board of the Town of Southold, Suffolk County, New York held at 16 South Street, Municipal Building in the Village of Greenport, New York, on the 11th day of March, 1952.

**PRESENT:**

Norman E. Klipp  
Supervisor  
Harry Terry  
Justice of the Peace  
Ralph W. Tutthill  
Justice of the Peace  
Henry A. Clark  
Justice of the Peace

**In the Matter of**

The petition for the establishment of a Refuse and Garbage District at Fishers Island in the Town of Southold, Suffolk County, New York.

WHEREAS, a written petition, dated August 21, 1951, in due form and containing the required signatures has been presented to and filed with the Town Board of the Town of Southold, Suffolk County, New York, for the establishment of a Refuse and Garbage District in the said Town, to be described as follows:

All the real property of Fishers Island, in the Town of Southold, Suffolk County, New York, and State of New York, inclusive of the whole of Fishers Island, with the exception of certain parcels which are the property of the United States Government, said tracts being known as "Fort H. G. Wright," "Mount Prospect," "Wilderness Point" and "Coast Guard Station No. 50," all as shown on map accompanying the petition, said territory being bounded and described as follows:

(C) the North by Fishers Island Sound; on the East by Block Island Sound; on the South by Block Island Sound and U. S. Government reservations; on the West by Fort H. G. Wright, U. S. Military reservations; and Block Island Sound.

WHEREAS, the improvements proposed consist of the securing and furnishing such appurtenances and other facilities as may be necessary for the sanitary disposal of refuse, garbage, ashes, rubbish and other waste materials, in said district, and

WHEREAS, the maximum amount proposed to be expended for the construction work of the district and the acquisition of the necessary land as stated in the said petition is the sum of \$50,000, it is hereby

ORDERED that a meeting of the Town Board of the said Town of Southold be held at the Fishers Island Schoolhouse at Fishers Island, New York on the 4th day of April, 1952 at 9:30 A. M. in the forenoon of that day, to consider the said petition and to hear all persons interested in the subject thereof, concerning the same, and for such other action on the part of the Town Board with relation to the said petition as may be required by law or proper in the premises.

Dated: March 11, 1952.

NORMAN E. KLIPP  
Supervisor

HARRY TERRY  
RALPH W. TUTTHILL  
HENRY A. CLARK

Members of the Town Board of the Town of Southold, Suffolk County, New York.

STATE OF NEW YORK )  
COUNTY OF SUFFOLK ) ss.:  
TOWN OF SOUTHOLD )

I, RALPH P. BOOTH, Town Clerk of the Town of Southold, Suffolk County, N. Y., do hereby certify that I have compared the preceding order with the original thereof filed in my office at Southold, Suffolk County, New York, on the 11th day of March, 1952, and that the same is a true and correct copy of said original and of the whole thereof.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of said Town, this 11th day of March, 1952.

Ralph P. Booth  
Town Clerk of the Town of Southold, Suffolk County, New York.

STATE OF NEW YORK, }  
COUNTY OF SUFFOLK. } ss:

J. Langton Carwin, being duly Sworn, says that Reid is Printer and Publisher of the SUFFOLK TIMES, a newspaper published at Greenport, in said county; and that the notice, of which the annexed is a printed copy, has been published in the said Suffolk Times once in each week, for one weeks

successively commencing on the twenty first day of March 1952.

J. Langton Carwin

Sworn to before me this 20th day of March 1952.

Rachel O. Valentine

RACHEL O. VALENTINE  
Notary Public Suffolk Co., N.Y. #2117  
My commission expires March 30, 1952.

**NOTICE TO BIDDERS FOR  
COLLECTION AND DISPOSAL  
OF GARBAGE AND REFUSE**  
NOTICE IS HEREBY GIVEN that

sealed proposals are sought and requested for the collection and disposal of garbage and refuse in the Fishers Island Garbage and Refuse District, according to specifications of a contract to be let by the Town of Southold for such collection and disposal.

The sealed proposals will be received by the Town Board at the Supervisor's office on South Street, Greenport, New York, at anytime prior to 12:00 o'clock P. M. November 25, 1952, and will be considered publicly at such time and place. Specifications, an estimate of the expense, and a proposed contract for the execution of the work and forms of proposal, can be examined both at the office of the Town Clerk, Southold, New York, between the hours of 9:00 A. M. and 12:00 noon and 1:00 P. M. to 4:00 P. M. and at the office of Justice of the Peace Perry Edwards, Fishers Island upon appointment from November 13, 1952 to November 25, 1952.

Proposals must be made upon and in accordance with the form of proposal prepared by the Town Attorney, which form of proposal will have an accompanying copy of the specifications for said work and proposed agreement and the same may be obtained at the office of the Town Clerk at the Town Hall, Southold, New York and at the office of Justice of the Peace Perry Edwards, Fishers Island, on or after November 13, 1952.

Proposals shall be made and received upon the following conditions:

Each proposal must be accompanied by the deposit of a certified check payable to the order of the Supervisor of the Town of Southold in the sum of \$3,000.00, or a bond with sufficient sureties, to be approved by the Supervisor, in a penal sum conditioned that if the proposal is accepted the successful bidder will enter into a contract for the work, and that he will execute within fifteen days from the date of the acceptance of the proposal a suitable security bond in the sum of the amount of the contract, conditioned for the faithful and prompt performance and completion of the work specified in the contract.

All deposits except that of a successful bidder will be returned and that of successful bidder upon his providing the performance bond.

Upon acceptance of his bid, if the successful bidder fails to enter into a contract pursuant to the requirements of the Board, or fails to give the further security prescribed in this notice within the time limited therein, then the check deposited as aforesaid and the moneys standing to the credit of the same, shall be forfeited to the Town as liquidated damages, or if a bond has been presented in lieu of a certified check, then the penalty shall be enforced as liquidated damages.

The Town Board reserves the right to reject any and all bids, or parts thereof, without reason.

(S/ NORMAN E. KLIPP

COUNTY OF SUFFOLK  
STATE OF NEW YORK 55

Frederick C. Hawkins, being duly sworn, says that he is the owner and publisher of THE LONG ISLAND TRAVELER - MATTITUCK WATCHMAN, a public newspaper printed at Southold, in Suffolk County, and that the notice of which the annexed is a printed copy, has been published in said Long Island Traveler-Mattituck Watchman once each week for 02 1/2 weeks successively, commencing on the 16<sup>th</sup> day of November 1952

*Frederick C. Hawkins*

Sworn to before me this 16<sup>th</sup> day of

November 1952

*Edwin Lawrence*  
Notary Public

Notary Public, State of New York  
52303-06  
Commission Expires March 30, 1954

**NOTICE TO BIDDERS FOR COLLECTION AND DISPOSAL OF GARBAGE AND REFUSE**  
NOTICE IS HEREBY GIVEN that sealed proposals are sought and requested for the collection and disposal of garbage and refuse in the Fishers Island Garbage and Refuse District according to specifications of a contract to be let by the Town of Southold for such collection and disposal.

The sealed proposals will be received by the Town Board at the Supervisor's Office on South Street, Greenport, New York, at anytime prior to 2:00 o'clock P. M. November 25, 1952, and will be considered publicly at such time and place. Specifications, an estimate of the expense, and a proposed contract for execution of the work and forms of proposal, can be examined both at the office of the Town Clerk, Southold, New York, between the hours of 9:00 A. M. and 12:00 noon and 1:00 P. M. to 4:00 P. M., and at the office of Justice of the Peace Perry Edwards, Fishers Island upon appointment from November 13, 1952 to November 25, 1952.

Proposals must be made upon and in accordance with the form of proposal prepared by the Town Attorney, which form of proposal will have an accompanying copy of the specifications for said work and proposed agreement and the same may be obtained at the office of the Town Clerk at the Town Hall, Southold, New York and at the office of Justice of the Peace Perry Edwards, Fishers Island, on or after November 13, 1952.

Proposals shall be made and received upon the following conditions:

Each proposal must be accompanied by a deposit of a certified check payable to the order of the Supervisor of the Town of Southold in the sum of \$3,000.00, or a bond with sufficient sureties, to be approved by the Supervisor, in a penal sum conditioned that if the proposal is accepted the successful bidder will enter into a contract for the work, and that he will execute within fifteen days from the date of the acceptance of the proposal a suitable security bond in the sum of the amount of the contract, conditioned for the faithful and prompt performance and completion of the work specified in the contract.

All deposits except that of a successful bidder will be returned and that of successful bidder upon his providing the performance bond.

Upon acceptance of his bid, if the successful bidder fails to enter into a contract pursuant to the requirements of the Board, or fails to give the further security prescribed in this notice within the time limited therein, then the check deposited as aforesaid and the moneys standing to the credit of the same, shall be forfeited to the Town as liquidated damages, or if a bond has been presented in lieu of a certified check, then the penalty shall be enforced as liquidated damages.

The Town Board reserves the right to reject any and all bids, or parts thereof, without reason.

/s/ NORMAN E. KLIPP

Supervisor

/s/ HENRY A. CLARK

/s/ LESTER M. ALBESTSON

/s/ HARRY TERRY

/s/ RALPH W. TUTTLES

11N14 Justices of the Peace

STATE OF NEW YORK,      ss:  
COUNTY OF SUFFOLK.

I, John H. ..., being duly Sworn, says that ... is Printer and Publisher of the SUFFOLK TIMES, a newspaper published at Greenport, in said county; and that the notice, of which the annexed is a printed copy, has been published in the said Suffolk Times once in each week, for ... weeks, successively commencing on the ... day of ... 19...

Sworn to before me this ...

day of ... 19...

# PUBLISHERS' CERTIFICATE

**NOTICE TO BIDDERS FOR COLLECTION AND DISPOSAL OF GARBAGE AND REFUSE**

NOTICE IS HEREBY GIVEN that sealed proposals are sought and required for the collection and disposal of garbage and refuse in the Fishers Island Garbage and Refuse District according to specifications of a contract to be let by the Town of Southold for such collection and disposal.

The sealed proposals will be received by the Town Board at the Supervisor's Office on South Street, Greenport, New York, at 11:00 A. M. on Nov. 13, 1952, and will be considered publicly at such time and place. Specifications, an estimate of the expense, and a proposed contract for the execution of the work and terms of proposal can be examined both at the office of the Town Clerk, Southold, New York, between the hours of 9:00 A. M. and 11:00 P. M. and 4:00 P. M. and at the office of Justice of the Peace Perry Edwards, Fishers Island upon appointment from Nov. 13, 1952 to Nov. 25, 1952.

Proposals must be made upon and in accordance with the form of proposal prepared by the Town Attorney, which form of proposal will have an accompanying copy of the specifications for said work and proposed agreement and the same may be obtained at the office of the Town Clerk at the Town Hall, Southold, New York and at the Justice of the Peace Perry Edwards, Fishers Island, on or after Nov. 13, 1952.

Proposals shall be made and received upon the following conditions: Each proposal must be accompanied by the deposit of a certified check payable to the order of the Supervisor of the Town of Southold in the sum of \$500.00 or a bond with sufficient assets to be accepted by the Supervisor. In a penalty conditioned that if the proposal is accepted the successful bidder will enter into a contract for the work and that he will execute within fifteen days from the date of the acceptance of the proposal a suitable security bond in the sum of the amount of the contract, conditioned for the faithful and prompt performance and completion of the work specified in the contract.

All deposits except that of a successful bidder will be returned and that of a successful bidder will be returned upon his providing the performance bond.

Upon acceptance of his bid, if the successful bidder fails to enter into a contract pursuant to the requirements of the Board, or fails to give the further security prescribed in this notice within the time limited therein, then the check deposited as aforesaid and the money standing to the credit of the same, shall be forfeited to the Town as liquidated damages, or if a bond has been presented in lieu of a certified check, then the penalty shall be enforced as liquidated damages.

The Town Board reserves the right to reject any and all bids, or parts thereof, without reason.

MORIAN E. SLIPP,  
Supervisor  
HENRY A. CLARK,  
LESTER M. ALBERTSON,  
HARRY TERRY,  
RALPH W. TOTHILL,  
Justices of the Peace

State of Connecticut, }  
County of New London, } ss. New London.

On this 14th day of November 1952

A. D. 193 , personally appeared before the undersigned, a Notary Public, within and for said County and State, Farnard L. Colby, Assistant Gen. Mgr

.....of THE DAY, a daily evening newspaper published at New London, County of New London, State of Connecticut, who being duly sworn, states on oath, that the Order of Notice in the case of Town of Southold, no to bidders, collections, disposal garbage, refuse a true copy of which is hereunto annexed, was published in said newspaper in its issues of the 13th

days of November 1952, A. D. 193  
*Farnard L. Colby*

Subscribed and sworn to before me this 14th day of November 1952, A. D. 193  
*E. W. Hammond*  
Notary Public.



**APPENDIX 6**

**Public Participation Comments on Draft LSWMP dated September  
2018 and Responses**

**(Responsiveness Summary)**

April 12, 2019

**VIA EMAIL: fiwastemanagement@gmail.com**

Board of Commissioners  
Fishers Island Waste Management District  
P.O. Box 22  
Fishers Island, NY 06390

Re: Fishers Island Waste Management District  
Draft Local Solid Waste Management Plan -- The 2030 Plan

Dear Board of Commissioners,

We represent Fishers Island Community Center, Inc. ("FICC"), a non-profit organization that operates the Fishers Island Community Center, which provides cultural, educational, athletic and social activities to its members who are comprised of residents and property owners on Fishers Island. The Fishers Island Community Center at 66 Hound Lane, Fishers Island has both indoor and outdoor facilities, and is located immediately to the east of the Waste Management District's Compost Station and Receiving Facility located at 2760 Whistler Avenue (the "Whistler Avenue Site").

This letter constitutes the FICC's comments to the Waste Management District's March 2019 revised Local Solid Waste Management Plan ("LSWMP"). Please include these comments as part of the Waste Management District's review process for the LSWMP.

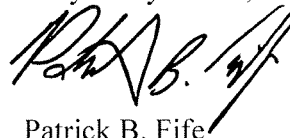
The FICC has major concerns about the Waste Management District's current mulching operation, which is mentioned in the LSWMP. The Waste Management's activities related to yard waste at the Whistler Avenue Site had initially involved only the collection of yard waste in dumpsters. The District has expanded these activities to include mulch processing, including the use of a stump grinder, chipping machine, skid steer, compost screen and front end loader, and the stockpiling of large piles of mulch materials. These activities result in loud noise, dust and strong odors that migrate to the Community Center.

According to Appendix 1 of the LSWMP (General Registration for District Facilities), the Whistler Avenue Site is not registered with the NYSDEC for mulch processing. Therefore, it is FICC's position that all of the Waste Management District's activities with respect to mulching must cease in the absence of a Part 361-4 permit or registration. Further, FICC objects to the continuation of mulching activity at the Whistler Avenue Site in the future given the site's proximity to the adjacent Community Center and the nearby Fishers Island School, which is only several hundred feet away.

The FICC also objects to the LSWMP's consideration of future expansion of the composting operation at the Whistler Avenue Site, including but not limited to accepting source separated organic waste (SSOW) for processing by digestion or composting. The acceptance and composting of meat and food waste at the Whistler Avenue Site will create considerable odors that will negatively impact the surrounding properties, including the Community Center, the Fishers Island School and the coastline, which provide important community-wide outdoor activity areas for Fishers Island's residents. With the year-round prevailing winds typically coming from the southwest, west or northwest, the Community Center, school and proposed new development in the area will be immediately downwind from the odors produced by SSOW composting and airborne particulate from the industrial-scale grinding taking place on the site. Acceptance of SSOW would also likely result in the infestation of rats and seagulls, which will be a nuisance and potential health hazard to surrounding properties.

The Waste Management District admits in Table 19 of the LSWMP (p. 53) that one disadvantage of accepting and/or processing of SSOW at the Whistler Avenue Site would be that it "[r]equires storage of food waste on-site for longer periods (risk of odors)." Because of the geographic isolation from the mainland and the cost of hauling, it is likely that, even if SSOW is only collected and not processed at the Whistler Avenue Site, the decaying meat and food waste materials may need to sit for extended periods of time before being transported off island, which will further exacerbate the likelihood of odors. The addition of infrastructure to accept SSOW in this sensitive area also makes no sense when the Waste Management's Response to Comment 3-3 in the LSWMP's Responsiveness Survey admits that, "[r]egarding the adequacy of the facilities, the current facilities can handle the projected wastes...." For those reasons, the FICC objects to NYSDEC approving any registration or permits that would allow for the acceptance of SSOW for processing by digestion or composting at the Whistler Avenue Site, and the FICC believes that consideration of these activities should be removed from the LSWMP.

Very Truly Yours,



Patrick B. Fife

cc: NYSDEC Bureau of Solid Waste Management  
(swpermit@dec.ny.gov & planning@dec.ny.gov)

NYDEC Region 1, Syed Rahman, Materials Management Engineer  
(syed.rahman@dec.ny.gov)

Fishers Island Community Center, Inc.

Dear Commissioners,

I write in response to your invitation to residents to comment on the draft Solid Waste Management Plan dated March, 2019.

This plan is a revision of the Solid Waste Management Plan dated September, 2018, which elicited some 90 letters of opposition from members of the community, and none, to my knowledge, of support.

I am encouraged to read that the Commission has decided to drop the consolidation and expansion plan presented in the September Plan. That plan would have entailed a major and unnecessary expense, and would have substantially increased the scope, nature and size of waste processing on the threshold of an area where abandoned warehouses are giving way to a vibrant neighborhood of homes and community organizations. This expanded garbage dump would have been a few yards from the Community Center, the School, a nationally known center for visiting artists, new affordable apartments, the home and offices of two internationally acclaimed architects, and a new park. It would have been the wrong project at the wrong place and the wrong time.

However, I am disappointed by the lack of both realism and vision in the new plan. It refers repeatedly the supposed advantages of the abandoned plan, and does not do what the overwhelming majority of critics asked – start fresh with a new vision.

A natural place to begin thinking about new departures would be with simple resident initiatives, for instance efforts to enlist the support of the major island institutions to eliminate non reusable plastics and arrange for bottle recycling pick-up locations. Such efforts would cost little, and could produce significant results.

Another area where fresh thinking is called for is the expansion of the transfer station site. That site, which sits on the side of a high point east of the airport, and is rented from the Ferry District, is far from residential or cultural activities, and could be further screened from view. The analysis in Attachment B of the potential of that site “for expanded activities” is strikingly short sighted. It argues a) that because the site is only 1.43 acres, it is too small to receive expanded activity, and b) that the access to the site lies in a flood plain. An alternative way of addressing both of those problems would be to increase the size of the area rented from the Ferry District. Instead of taking these limitations as fixed, a high priority should be given to serious discussion with the Ferry District and the neighbor about reconfiguring the site. Anything that could be done in the years ahead to diminish the waste treatment activities near the developing Fort Wright area would be of great benefit to the community as whole.

Sincerely yours,

George de Menil  
4015 Isabella Beach Rd.

Fishers Island

**APPENDIX 8**

**Letter of NYSDEC Approval and Certified Resolution from the Board  
of Commissioners of the FIWMD**

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Solid Waste Management  
625 Broadway, Albany, New York 12233-7260  
P: (518) 402-8678 | F: (518) 402-9024  
www.dec.ny.gov

**JUL 17 2019**

Ms. Beth Stern  
Admin & Business Manager  
Fishers Island Waste Management District  
P.O. Box 22  
Fishers Island, NY 06390

Dear Ms. Stern:

Re: Fishers Island's Draft Local Solid Waste Management Plan

The New York State Department of Environmental Conservation (Department) has completed the review of Fishers Island's Draft Local Solid Waste Management Plan (LSWMP) received as a final draft on July 12, 2019.

Based on this review, the Department has determined that the Fishers Island LSWMP provides substantive consideration of the elements set forth in New York State Environmental Conservation Law (Section 27-0107) and the State's Local Solid Waste Management Plan Contents regulations (6 NYCRR Part 366-2) and constitutes an approvable plan.

For the Department to grant final approval of the LSWMP, the following items must be submitted:

1. A complete, stand-alone LSWMP which contains all revisions to the draft LSWMP resulting from Department review.
2. Certified resolutions from the Fishers Island Waste Management District (District) stating: 1) that the LSWMP is adopted by the District, 2) that the District will implement and maintain the solid waste management system as described in the final LSWMP and 3) that the District will submit biennial updates as required by 366-4.1(d). These certified resolutions should be included in the final LSWMP.

The Department will continue to work with the District through the finalization process.

Please contact Kate John at (518) 623-1230 or [planning@dec.ny.gov](mailto:planning@dec.ny.gov) if you have any questions concerning this matter.

Sincerely,



Richard Clarkson, P.E.  
Director  
Bureau of Solid Waste Management

cc: Kim Gennaro-Oancea, KGO Consulting, Inc.

Fishers Island Waste Management District  
P.O. Box 22  
Fishers Island, NY 06390  
Tele 631-788-7455  
[fiwastemanagement@gmail.com](mailto:fiwastemanagement@gmail.com)

*John Patterson, Chair  
Bruce Hubert, Vice Chair  
Robert Evans, Treasurer  
Sarah Malinowski, Secretary  
David Burnham*

WHEREAS, the Fishers Island Waste Management District (FIWMD) has undertaken the required review of the District's Local Solid Waste Management Plan (LSWMP) and has prepared a final draft of the LSMWP dated July 12, 2019 which has been reviewed and approved by the NY Department of Environmental Conservation (DEC) in accordance with New York State Law and regulations adopted thereunder;

NOW, THEREFORE, BE IT RESOLVED, that the Fishers Island Waste Management District hereby adopts the LSMWP dated July 12, 2019; and be it further

RESOLVED, that the FIWMD will implement and maintain the solid waste management system as described in the final LSMWP dated July 12, 2019; and be it further

RESOLVED, the FIWMD will submit biennial updates as required by 6 NYCRR 366-4.1(d)

I hereby certify that the foregoing Resolution was adopted by the Board of Commissioners of the Fishers Island Waste Management District on July 24, 2019, and this is a full and accurate copy of the Resolution duly adopted by the Board.



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