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Recycling Technical Assistance Project

#445

Shenango Township, Lawrence County

**Action Plan for Act 101/ Act
140 Compliance and
Development of Solid Waste
Ordinances and Collection
Contract Specifications**

December 2009



Nestor Resources, Inc.

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Introduction

The Recycling Technical Assistance Program is sponsored in partnership by the Pennsylvania Department of Environmental Protection (DEP) through the Solid Waste Association of North America (SWANA), the Pennsylvania State Association of Township Supervisors (PSATS) and the Department of Community and Economic Development (DCED) Governor's Center for Local Government Services. Qualifying municipalities wishing to enhance their recycling, composting, and waste reduction programs are provided with professional support to assist them achieve their goals and objectives.

Shenango Township, Lawrence County requested technical assistance to evaluate the municipality's current ordinances and curbside waste and recycling collection practices. The Township also sought support to develop its first residential collection contract. Lastly, Shenango desired to improve its programs and to comply with Act 101 of 1988 and Act 140 of 2006.

As the consultant selected to manage the project, Nestor Resources, Inc. is pleased to submit to the Shenango Township our findings and recommendations. This report includes background data, resources and references, as well as explanations and justifications for the consultant's suggestions.

Background

Shenango Township is one of few areas of growth in Lawrence County. Over the past 50 years residential developments have spread throughout the Township. With a median age of 41, the population in general is young when compared to other Western Pennsylvania communities. Additionally, the median household income of \$49,103 in 2007 compares favorably to the statewide average and exceeds some of its neighboring communities. Although tough economic times and the loss of major industries in the County slowed the overall growth, a recent surge in new housing plans in the past 15 years has led to a significant population increase in Shenango. Many of the transplants have relocated from within Lawrence County. However, the combination of lower taxes, affordable housing, an award winning school system, less crime and an easy commute to Pittsburgh via Interstate 79 and Interstate 376 (Route 60) has attracted people from the northern suburbs of Allegheny County. These young affluent transplants bring with them higher expectations for public services. Reliable waste collection programs that include greater opportunities for recycling are frequently among their demands.

In spite of the growth, Shenango Township still retains some of its rural atmosphere. Housing lots tend to be larger than in more urban communities. The suburban type residential plans are scattered throughout the Township and interconnected by a series of Township and state roads. Because of land mass alone, traditional local government functions like fire and police service, water and sewage, as well as garbage collection are somewhat more challenging and often more costly. Route density is one way to control the costs associated with the collection of waste and recyclables. One of the easiest ways to

achieve greater route densities is when an entire community shares the services of a single waste hauler.

Currently, homeowners contract directly for municipal waste collection with one of three haulers operating within the Township. Haulers are free to service homes on whichever days of the week compliment their routes. It is not unusual for all three haulers to collect from their specific customers within a residential plan on the same day. Likewise, other residential plans may see garbage trucks in their plan nearly every day of the week as routes may not coincide from hauler to hauler in these areas.

Although recycling is mandatory according to Township ordinance, service offerings vary from hauler to hauler. Prices cross a broad spectrum also. Charges range from \$13-\$18 per month for waste collection. Volume or bag limits apply in some cases, but unlimited collection of waste is prevalent.

For the most part, recyclables are collected once per month. Some haulers charge an additional \$2-\$15 per month for recycling, while others include the cost within the waste collection fee. Participation therefore differs from house to house because the line item charge for recycling is seen as a disincentive. Materials accepted for collection are inconsistent from hauler to hauler. All companies collect PET, HDPE, glass bottles, aluminum and bi-metal cans, and newsprint. Two companies also collect magazines

Because of these many disparities, the Township desired to evaluate the feasibility of contracted collection with one hauler for waste and recyclables. Additionally, the Township hoped to determine the potential to expand the curbside recycling program from once per month to every other week service. Lastly, to provide choice and encourage waste minimization, the Township wished to examine the methods to implement a PAYT variable rate structure that would also provide for bulk waste collection.

Project Scope of Work

Task #1: The consultant met with Township officials to present and explain a variety of PAYT rate structures. The discussion focused on the risks and benefits of each scenario including performance issues with the contractor; costs to the resident; incentives for recovery; public acceptance and related issues. Handouts developed by Nestor Resources for a previous PAYT Technical Assistance Project were provided for informational purposes. Nestor Resources, Inc. discussed with the Township how the current subscription system, ordinances, and practices affect the collection and recovery of garbage, leaf waste, and recyclable materials.

Task #2: Based on the preliminary discussions with Township officials, the consultant outlined the steps necessary to shift to a single hauler collection contract. Nestor Resources, Inc. provided the generalized criteria under which the proposed collection contract will be structured. The consultant recommended the types of materials for inclusion in the contract; methods of collection; suggested goals and objectives; potential measurements of program performance; justifications to ensure sustainability of the

proposed project; identification of needed ordinances or steps to ensure regulatory compliance; and recommended enhancements to the educational program.

Task #3: A series of five meetings was held during this developmental phase of the collection program. The consultant met with Township management, representatives from the Lawrence County Recycling/Solid Waste Department and also the Township Council to discuss how the criteria could be incorporated into a collection contract.

Task # 4: Nestor Resources, Inc. prepared and submitted to the Pennsylvania Department of Environmental Protection (PADEP) for review and comment, a draft project report, which summarizes the consultant's findings and recommendations. Based on the PADEP's input, the consultant will revise and finalize the report. Both the Township and the Department will be provided with the report in electronic format. In addition, a hard copy of the document will be provided to the Township.

Project Summary

Evaluating the status of regulatory compliance in Shenango Township was the primary goal for this project. Additionally, the Township wished to evaluate the feasibility of entering into its first single hauler collection contract.

Following is a summary of the findings and outcome of the overall project:

- Based on the Township's population, Shenango is mandated under Act 101 to provide curbside recycling to its residents, and to require recycling by commercial, institutional and municipal establishments and at community activities. Because it is a mandated municipality that receives Act 101 Section 904 Performance Grants, the municipality is also required by Act 140 to meet some additional criteria shown in Appendix B. One of the most important requirements is for the Township to mandate by ordinance that all residents have waste collection service.
- During the study, it was discovered that due to office reorganization the most current and accurate version of the ordinances were difficult to determine. Additionally, it was agreed that the terms and conditions of the old ordinances had little impact on specific local conditions. Therefore it was determined that a total revamp of the laws pertaining to solid waste and recycling in Shenango Township would occur.
- A review of the figures shows that the quantity of material collected from Shenango Township's residential sources is relatively low when compared to expected values. The inconsistent service offerings from the three haulers; the infrequency of collection; the weak enforcement and the general lack of awareness by the residents all contribute to the lower than expected performance. The Township's desire to transition to a single hauler contract could provide a remedy to all three of these current conditions.
- It was determined that Shenango would opt to request bids for a single hauler

collection contract commencing in July 2010. To accomplish that Nestor Resources is providing consulting support and offered a recommended timeline to author the specifications; advertise for, receive, and review bids; award the contract; and begin service.

- Nestor Resources offered cautionary comments regarding the potential existing contracts between haulers and residential customers. The Township was informed that in some instances, when municipalities moved forward with their first collection contract, they have encountered the threat of litigation based on the existence of such contracts. Shenango was advised to consult with its Solicitor on this issue.
- Shenango Township made sweeping changes in the new solid waste ordinance. As the Township opted to move forward with its first single hauler residential collection contract the revisions required language to address new concepts being introduced. These included mandatory participation in the contract, establishment of variable rate policies, and payment requirements. Additionally, the Township sought to make improvements to its commercial sector recycling and the ordinance includes new provisions requiring all haulers to automatically include recycling as part of the waste collection services provided to their commercial customers.
- The elected officials finalizing this decision will establish Shenango Township as a leader in integrated waste management in Lawrence County. The rewards to the Township will include better and more cost effective service to its residents; decreased truck traffic resulting in lower maintenance cost for local roadways; increased revenues from Act 101 Performance Grants; a reduction in illegal dumping; and a more sustainable program for the future.

Current Conditions for Recycling

Although recycling is mandated in Shenango Township's solid waste and recycling current ordinances, enforcement has been lax on residents and businesses that do not participate.

Table 1 shows the results of an analysis of the average recycling quantities reported by Shenango Township from 2004 thru 2007. The table compares Shenango's material recovery to national figures based on U.S. Environmental Protection Agency. *Municipal Solid Waste in the United States: 2006 Facts and Figures*. At the time of the analysis, this was the most recent data set available in a series of analyses conducted by the Franklin Associates since 1960. Commonly called "the Franklin Study" it is a periodic review of the national recycling activities that is conducted for and issued by the USEPA.

The types and categories of materials that could potentially be recovered for recycling if Shenango Township were to include them in its program are shown in the first column of the table. The next column presents the combined expected quantity of the material with

potential for recovery from residential and commercial sources in Shenango Township if it were produced at the same rate as it is nationwide. Column three shows the four year average reported tonnage from residential sources in Shenango Township, while column four shows that from commercial sources. Since most residential recycled materials are commingled, the actual amounts of almost all of the individual materials are unknown. Some newspaper was collected separately and what was reported is shown individually.

The relative proportion of recycled materials differs in residential and commercial sources. The final two columns presents the expected recovery from commercial and residential sources with commingled materials distributed in the proportions they are recovered nationally.

A review of the figures shows that the quantity of material collected from Shenango Township’s residential sources is relatively low when compared to expected values. The inconsistent service offerings from the three haulers; the infrequency of collection; the weak enforcement and the general lack of awareness by the residents all contribute to the lower than expected performance. The Township’s desire to transition to a single hauler contract could provide a remedy to all three of these current conditions.

Table 1 Shenango Township Reported vs. Expected Material Recovery

Material	Combined Residential and Commercial Expected TPY	Shenango Residential Average Reported TPY	Shenango Commercial Average Reported TPY	Shenango Residential Expected TPY	Shenango Commercial Expected TPY
Glass Containers	63.30			51.91	11.40
Aluminum	17.62			14.46	3.16
Bi Metal	40.26			34.21	6.04
Plastic #1 and #2	18.84			24.98	5.61
Paper:					
Newspaper	277.15	5		235.57	41.58
Magazines	26.51			17.23	9.28
Books	7.39			5.91	1.48
Telephone Books	3.31			1.99	1.33
Standard Mail	58.13			37.78	20.34
Commercial Printing	35.69			23.20	12.49
Office-type Papers	105.83		39	26.46	79.36
Corrugated Boxes	576.94		400	57.69	519.25
Folding Cartons	22.69			13.61	9.08
Bags and Sacks	8.67			7.80	0.87
Totals:	1262.33			552.8	721.27
	Commingled:	29		125.56	26.21
	Single Stream:			361.13	67.79

* Apparent errors in some totals are due to rounding.

Laying the Groundwork

Throughout the spring, summer and fall of 2009, Nestor Resources, Inc. conducted a series of meetings with representatives of Shenango Township and Lawrence County to discuss goals and objectives of the Recycling Technical Assistance Project. The goals of the project included a review of the Township's current recycling program performance, identification of issues that fell short of the DEP's expectations and requirements, and support to the Township in making the necessary improvements to comply with Act 101 and Act 140.

During the meetings, discussions focused on needed improvements to the solid waste and recycling program. Limitations in current service offerings from local haulers have been inconsistent with the requirement for mandatory residential and commercial participation in the recycling program. Evidence of the low participation rate and thus noncompliance was confirmed in a review of the Township's current recovery of recyclable materials, which falls well below the national averages for communities with similar populations.

Two courses of action to provide remedy to the situation were discussed. These included amendments to the existing solid waste ordinance and potential implementation of a single hauler collection contract for garbage, yard waste and recyclables. The pros and cons of each were reviewed

Suggestions for amending the solid waste ordinance were given that ensure compliance by both participants as well as service providers. The ability, or lack thereof, to enforce provisions in the ordinance was given special consideration. A requirement was discussed for haulers to provide the collection of recyclables to all residential and commercial customers, which they service in Shenango Township. The existence of a requirement for all residential and commercial establishments to contract for both waste and recycling service could not be confirmed. It was suggested that the current ordinance be reviewed for such language. The need to require residential participation and payment in the event of a single hauler collection contract was also presented.

A variety of service options that could be included in a residential collection contract was also presented. Frequency of collection, container types and capacity, an expanded selection of designated recyclables and seasonal alternatives for yard waste management were all considered. Supervisors and Township staff were each provided with a copy of the *Pay as You Throw Primer for Pennsylvania Communities* developed by Nestor Resources, Inc. Additionally, Nestor Resources provided Supervisors and Township staff with a menu of options for collection methods; PAYT components; rate structures; billing options; special services; franchise options and discounts. Appendix A shows the Nestor Resources Inc.'s contract specification menu. Items from each of the columns can be combined with items in other columns to create customized contract specifications that meet the local needs of any given community.

Additionally, Nestor Resources offered cautionary comments regarding issues with potential existing contracts between haulers and residential customers. The Township was informed that in some instances, when municipalities moved forward with their first

collection contract, they have encountered the threat of litigation based on the existence of such contracts. Shenango was advised to consult with its Solicitor on this issue.

It was determined that Shenango would opt to request bids for a single hauler collection contract commencing in July 2010. Nestor Resources, Inc. will provide consulting support in the development of those specifications. To accomplish that, certain timelines are recommended. Following is a breakdown of those crucial dates and goals:

- February 2010 Advertise the proposed amended ordinance and conduct a public hearing
- February 2010 Pass resolution to request bids for residential collection contract
- February 6, 2010 First bid advertisement
- February 24, 2010 Second bid advertisement
- March 6, 2010 Bid opening residential collection contract
- March 14, 2010 Pass the new ordinance
- March 14, 2010 Award residential collection contract
- April- May 2010 Update billing system to handle non-sewer customer addresses
- May 31, 2010 First billing for collection contract
- July 1, 2010 Collection contract commences

Existing Local Laws and Regulations

Based on the Township's population, Shenango is mandated under Act 101 to provide curbside recycling to its residents, and to require recycling by commercial, institutional and municipal establishments and at community activities. Because it is a mandated municipality that receives Act 101 Section 904 Performance Grants, the municipality is also required by Act 140 to meet some additional criteria shown in Appendix B. One of the most important requirements is for the Township to mandate by ordinance mandatory waste collection.

Like most Act 101 mandated communities, Shenango Township enacted solid waste ordinances that met the general requirements for mandatory recycling for residents, and commercial, institutional and municipal establishments and community activities. Shenango's ordinances were revised from time to time to comply with Act 101 leaf waste and burning requirements. During the study, it was discovered that due to office reorganization the most current and accurate version of the ordinances were difficult to identify. Additionally, it was agreed that the terms and conditions of the old ordinances had little impact on specific local conditions. Therefore it was determined that a total revamp of the laws pertaining to solid waste and recycling in Shenango Township would occur.

Revising Policies

Shenango Township desired to meet the regulatory requirements of Act 101 and Act 140, by making sweeping changes in the existing solid waste ordinances. Because the Township also desired to move forward with its first single hauler residential collection contract the revisions required language to address new concepts being introduced. These included mandatory participation in the contract, establishment of variable rate policies, and payment requirements. Additionally, the Township sought to make improvements to its commercial sector recycling and the ordinance includes new provisions requiring all haulers to automatically include recycling as part of the waste collection services provided to their commercial customers.

Although the Township was provided with the proposed ordinance in its entirety, only the sections considered to have major impact are discussed here. Following is an outline of the most significant changes incorporated into the proposed ordinance as they relate to Act 101 and Act 140 compliance. The draft ordinance in its entirety is provided in Appendix B.

Mandatory Participation

- Act 140 requires qualifying municipalities to enact ordinances mandating that all residents have waste and recycling collection service. Additionally, the Act requires that qualifying municipalities implement a residential recycling program and facilitate commercial recycling. Act 101 provides that a municipality may contract for recycling collection services to fulfill its obligations. To achieve this, the draft ordinance contains this language.

Residential

A. Mandatory Participation: *Unless otherwise exempted under this Ordinance, every owner and/or occupant of developed residential property, except multi-family dwelling units of five or more not individually owned, within the Township shall pay a base collection rate for garbage, recyclables, and yard waste collection services to the Township in an amount and in the manner as determined by Resolution.*

Commercial, Industrial, Institutional Properties and Community Activities

- A. Mandatory Participation -** *It shall be the duty and responsibility of every owner of property, every place of business within the Township, and the organizer of any community activities where Municipal Waste is produced and is accumulated to contract with a licensed hauler for Garbage, and Recyclables, collection services to the extent provided by this Ordinance.*
- B. Commercial Recycling Services.** *All Licensed Haulers must include recycling as part of the municipal waste collection services provided to each commercial or multi family dwelling location to the extent required by this ordinance.*

Leaf Waste

- Act 101 requires municipalities to collect leaf waste at the curb once per month. Alternatively a municipality may provide for the collection of leaf waste by collecting at the curb twice per year while maintaining a drop-off site for this material throughout the year. To achieve this, the draft ordinance contains this language.

"Leaf Waste" Plant material (leaves, branches, brush, flowers, roots, wood waste, etc.); debris commonly thrown away in the course of maintaining yards and gardens, Leaf Waste does not include grass clippings, loose soils, sod; Food Waste, including from gardens or orchards; food compost; plastics and synthetic fibers; lumber; any wood or tree limbs over four (4) inches in diameter; human or animal excrement; noxious weeds and soil contaminated with hazardous substances.

Separation - All residential customers and commercial, industrial, or institutional establishments who gather leaf waste shall separate all leaf waste from municipal solid waste and recyclables and place it for collection and/or transport to an appropriately permitted composting facility.

Residential Curbside Collection of Leaves: For residential properties leaf collection shall occur seasonally, once in the spring and once in the fall. Exact dates and times for collection will be determined by the Township peach year.

Residential Drop-off Collection of Leaf Waste: Residents who gather leaf waste may transport it to the Township's drop-off collection site. Exact dates and times of operation and the preparation of and types of materials that will be accepted shall be determined by the Township.

Rate Structure

- Shenango Township desired a PAYT variable rate component as part of its collection contract rate structure. To achieve this, the draft ordinance contains this language.
 1. Each Residential Dwelling Unit shall pay a variable disposal rate, in addition to the base collection rate, based on the volume and number of carts. The Township shall establish fees for Municipal Waste Disposal Tags for tagged bags, bulk items or white goods placed at the curb for collection.
 2. Each Residential Dwelling Unit may place an unlimited amount of recyclables in carts, or leaf waste in composting bags, at the curb, for no additional disposal charge.

Authorization of Collectors

- Shenango Township should register those haulers that provide waste and recycling collection in the municipality. It is recommended that document destruction companies should also be registered. This will allow the Township to better enforce the waste collection and recycling mandates. To achieve this, the draft ordinance contains this language.

Licensed Haulers. It shall be unlawful for any person other than persons authorized by license by the Commonwealth of Pennsylvania and registered with Shenango Township, or its designee, as a regular hauling business, to collect and/or transport Municipal Waste, and Recyclables, which is generated within the Township, except as specifically provided herein.

Registration with the Township. A person who has obtained a license from the Commonwealth of Pennsylvania under the Waste Transportation Safety Act (Pennsylvania Act 90) authorizing said person to collect, transport, and or dispose of municipal solid waste, and bulk waste from residential, commercial, industrial, and institutional establishments must register his intent to operate within Shenango Township to be considered a Licensed Hauler. Such persons must complete and submit forms developed by the Township and present documentation of such authorization to the Manager of Shenango Township or his designee. A person that is not required to obtain a license issued under the Waste Transportation Safety Act (Pennsylvania Act 90) and/or a person that collects, transports, and or processes only source-separated recyclables from residential, commercial, industrial, and institutional establishments must register his intent to operate within Shenango Township to be considered a Licensed Hauler. Such persons must complete and submit forms developed by the Township to the Board of Supervisors of Shenango Township or its designee.

Establishment of Education Program

- To comply with Act 140, Shenango Township must demonstrate that it has implemented a formal recycling education program for both residents and commercial, institutional, and municipal establishments. The Township currently fulfills these requirements through its newsletter and the distribution of materials developed by the Lawrence County Department of Recycling/Solid Waste. The ordinance formally establishes the Township's role in recycling education with this language.

The Township hereby establishes an education program for municipal solid waste management, recycling and composting in accordance with the provisions of Pennsylvania Act 101, Pennsylvania Act 140 and this Ordinance. Educational materials and presentations shall be designed to increase the participation of both residents and businesses, including commercial, institutional and municipal establishments; to meet the recycling rates and goals established by the Commonwealth; and to encourage waste minimization and pollution prevention within the Township.

Enforcement

- Shenango Township is required by Act 140 and Act 101 to monitor participation and enforce the waste collection and recycling mandates of its ordinance. Additionally, Shenango Township must have a mechanism to warn and penalize for non-participation. The proposed ordinance achieves these goals with the following language.

Penalties

Any person violating any of the provisions of this ordinance shall, upon conviction by a district magistrate, be subject to a fine of not less than one hundred dollars (\$100.00) nor more than one thousand dollars (\$1,000.00) together with the cost of prosecution, or imprisonment in the Lawrence County Prison for a period of not more than thirty (30) days. Every violator of the provisions of this ordinance shall be deemed guilty of a separate offense each and every day such violation continues and shall be subject to the penalty imposed by this section for each and every separate offense.

Other Remedies

Removal of Accumulation of Solid Waste - In addition to the foregoing penalty, the Township may require the owner or occupant of a property to remove any accumulation of Municipal Waste and should said person fail to remove such municipal solid waste after five (5) days following written notice, the Township may cause the solid waste to be collected and disposed of with the cost for such action to be charged to the owner or occupant of the property.

Separate Offenses - Nothing contained in this Article shall affect, in any way, the provisions of this Ordinance regarding separate offenses for every day any violation occurs.

Data Management

- The Township is required to report to Lawrence County on an annual basis the tons of recyclables collected and processed from residential and commercial sources. To obtain this information the Township should require licensed haulers and commercial, institutional and municipal establishments to submit reports to the municipality. To add more accountability, it is recommended that Shenango Township require verification of service with the commercial report. Multi-family complexes, commercial and institutional establishments should be required to attach a copy of a contract or agreement, which demonstrates that recycling is provided as part of the collection service. This can be achieved through rules and regulations. The proposed ordinance contains the following language to address these issues.

Reporting

On or before January 30th of each year, all Licensed Haulers shall submit a report to the Township, on forms developed by the Pennsylvania Department of Environmental Protection, which documents the weight or volume of materials that the Licensed Hauler collected for recycling within Shenango Township.

B. Commercial, Industrial and Institutional Establishments - Commercial, industrial, and institutional establishments shall submit annually, on forms provided by the Township, a report to the Township or its designated agent which contains the following information concerning compliance to the Recycling Requirements of this Ordinance:

1. *Commercial/ Industrial or Institutional name, address, telephone number, contact person and owner's name.*
2. *Company name, address, telephone number, and contact person for entity providing the recycling service.*
3. *Description of materials recycled, frequency of collection, method of storage and end market.*
4. *Weigh slips or other certification, which show by weight and type of material recycled. If weigh slips are not used, the form of certification requires the prior approval of the Township.*
5. *Form of certification to assure proper processing/marketing of recyclable materials.*
6. *Other information as may be required by the Township agent, which may be required to assure the proper disposition of recyclable materials.*

7. *Required information is due within Thirty (30) days of the end of the reporting period, which is the end of the calendar year.*

Summary

Moving from a multi-hauler subscription collection system to the first single hauler contract is a great challenge for any municipality. The elected officials finalizing this decision will establish Shenango Township as a leader in integrated waste management in Lawrence County. The rewards to the Township will include better and more cost effective service to its residents; decreased truck traffic resulting in lower maintenance cost for local roadways; increased revenues from Act 101 Performance Grants; a reduction in illegal dumping; and a more sustainable program for the future.

As a result of the Technical Assistance Project, Nestor Resources, Inc. has provided to Shenango Township draft language for a proposed comprehensive solid waste management ordinance. Excerpts from that ordinance are outlined in the report to illustrate how the Township will come into compliance with Act 101 and Act 140. Additionally, the Township received support to develop draft bid specifications for residential waste and recycling collection services. Nestor Resources is confident that the Shenango Township will experience a healthier recycling program by implementing the improvements and recommendations offered during the project.



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Appendix A

Contract Options



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The Base Fee in Every Garbage Scenario is Mandatory and includes the collection of Garbage, Recycling and Yard Waste

MIX AND MATCH OPTIONS FROM EACH COLUMN TO DEVELOP A CUSTOMIZED TOTAL BID PACKAGE- OPTIONS IN EACH ROW ARE UNRELATED NESTOR RESOURCES WILL EXPLAIN OPTIONS THAT ARE MORE COMPATIBLE TO MIX THAN OTHERS AND HAVE IMPACT ON THE OVERALL PRICE								
GARBAGE	RECYCLING	YARD (LEAF) WASTE	BULK ITEMS	EXTRA BAGS/TAGS FOR LIMITED OPTIONS	OPTIONAL SERVICES	BILLING OPTIONS	DISCOUNTS	FRANCHISE FEE
<p>MANUAL UNLIMITED Base Fee Weekly collection of unlimited bags, cans not to exceed 40 lbs. each</p>	<p>MANUAL DUAL STREAM WEEKLY</p> <p>Bin #1 Paper, Cardboard, etc</p> <p>Bin #2 Glass, Metal & Plastic Bottles & Cans</p>	<p>MANUAL LIMITED RESTRICTED SERVICE Twice per year at curb supplemented with permanent drop-off</p> <p>Must use paper bags, or leave unbagged in cans not to exceed 40 lbs. each. Brush must be bundled</p>	<p>UNLIMITED WEEKLY COLLECTION</p> <p>No limit to number of items per home</p>	<p>Must purchase tags items exceeding the bag or can limits in the Base Fee</p> <p>Tags sold in sheets of 5</p>	<p>In some scenarios, residents may pay an extra fee, in addition to the base fee, for use of a wheeled cart</p>	<p>Hauler Bills</p>	<p>Senior Citizen Head of Household Discount – Age 65+ 15 %</p>	5-10%
<p>MANUAL LIMITED VOLUME Base Fee Weekly collection limited to a specific number of 40 GALLON bags or cans not to exceed 40 lbs. each</p>	<p>MANUAL DUAL STREAM ALTERNATING WEEKLY</p> <p>Week 1 & 3 Paper, Cardboard, etc</p> <p>Week 2 & 4 Glass, Metal & Plastic Bottles & Cans</p>	<p>MANUAL UNLIMITED RESTRICTED SERVICE Once per month at curb during April-November</p> <p>Must supplement with drop-off</p> <p>Must use paper bags, or leave unbagged in cans not to exceed 40 lbs. each. Brush must be bundled</p>	<p>UNLIMITED MONTHLY COLLECTION Any number of items per month on a scheduled week</p>	<p>Must purchase tags for Bulk Items and White Goods</p>	<p>Backyard Service and or private drive service may be offered to individuals for an extra fee</p>	<p>Town bills through Sewer /Water</p>	<p>Backyard Service Discount for Documented Severe Disability</p>	5-10%
<p>MANUAL PAY AS YOU THROW Reduced Base Fee Weekly collection</p> <p>Every home pays a reduced base fee but must buy tags for each bag of waste</p>	<p>MANUAL DUAL STREAM ALTERNATING BI-WEEKLY Alternating bi-weekly pick-ups</p> <p>Every other pick-up Paper, Cardboard, etc</p> <p>Every other pick-up Glass, Metal & Plastic Bottles & Cans</p>	<p>MANUAL UNLIMITED SERVICE Once per week during April-November</p> <p>Must use paper bags, or leave unbagged in cans not to exceed 40 lbs. each. Brush must be bundled</p>	<p>UNLIMITED SEASONAL No limit on number of items collected once or twice per year at curb or drop-off</p>	<p>Must Purchase Tags for Volume Pick-ups</p>	<p>Small Businesses and/or Multi Family dwellings may be included in contract (can require dumpster fees in bid)</p>	<p>Hauler sells bags/tags</p>	<p>Snowbird Discounts for people that leave for extended periods during Winter months</p>	5-10%
<p>AUTOMATED LIMITED VOLUME Base Fee Weekly collection limited to one wheeled cart (uniform size determined by municipality)</p>	<p>MANUAL SINGLE STREAM WEEKLY All Paper, Bottles & Cans Mixed together. Requires large recycling bin not to exceed 40 lbs when full</p>	<p>AUTOMATED UNLIMITED SERVICE WEEKLY Once per week during April-November</p> <p>Must use wheeled carts provided by hauler or municipality. May use compostable paper bags not to exceed 40 lbs. each</p>	<p>LIMITED MONTHLY 1 item per month on a scheduled week</p>		<p>Municipal Facilities may be included in contract</p>	<p>Town controls inventory of bags/tags and pays hauler</p>	<p>In Limited Collection Scenarios may offer vouchers for low income or very large families</p>	5-10%

GARBAGE COLLECTION SCENARIOS	RECYCLING COLLECTION SCENARIOS	YARD (LEAF) WASTE COLLECTION SCENARIOS	BULK ITEMS	EXTRA BAGS/TAGS FOR LIMITED OPTIONS	OPTIONAL SERVICES	BILLING OPTIONS	DISCOUNTS	FRANCHISE FEE
<p>AUTOMATED VARIABLE Reduced Base Fee Weekly collection Residents select and pay for one or more wheeled cart(s) of three sizes 32-64-96 gallons each</p>	<p>MANUAL SINGLE STREAM BI-WEEKLY Single Stream All Paper, Bottles & Cans Mixed together collected every other week. Requires extra large recycling bin not to exceed 40 lbs when full</p>	<p>AUTOMATED UNLIMITED SERVICE BI-WEEKLY Every other week collection during April-November May need to supplement with a drop-off upon demand of residents Must use wheeled carts provided by hauler or municipality. May use compostable paper bags not to exceed 40 lbs. each</p>	<p>PAY AS YOU THROW Purchase tags and have weekly collection</p>	<p>Must purchase tags from Borough. Tags sold in sheets of 5</p>				<p>5-10%</p>
<p>AUTOMATED PAY AS YOU THROW Reduced Base Fee Weekly collection Residents select and pay for one or more wheeled cart(s) of three sizes 32-64-96 gallons each. May also opt out of carts and purchase tags</p>	<p>MANUAL SINGLE STREAM MONTHLY Single Stream All Paper, Bottles & Cans Mixed together. This would likely require multiple bins</p>							
	<p>AUTOMATED UNIFORM SINGLE STREAM WEEKLY All Paper, Bottles & Cans Mixed Together in one wheeled cart (uniform size determined by municipality))</p>							
	<p>AUTOMATED VARIABLE SINGLE STREAM WEEKLY All Paper, Bottles & Cans Mixed together in one wheeled cart of three sizes 32-64-96 gallons each</p>							

Appendix B

Act 140 Guidelines

Act 140 Impacts on Act 101 Recycling Performance Grants

Act 101 mandated curbside municipalities and other municipalities, except for counties, receiving more than \$10,000 in Act 101 Section 904 Recycling Performance Grant funding must meet the following performance requirements:

- Requires, through ordinance, that all residents have waste and recycling service.
- Has an implemented residential recycling program and facilitates a commercial recycling program or participates in a similar county or multi-municipal program.
- Has a residential and business recycling education program.
- Has a program of enforcement that periodically monitors participation, receives complaints and issues warnings for required participants and provides fines, penalties, or both, in its recycling ordinance.
- Has provisions, participates in a county or multi-municipal program or facilitates a private sector program for the recycling of special materials.
- Sponsors a program, facilitates a program or supports an organization to address illegal dumping and/or littering problems.
- Has a person or entity designated as recycling coordinator who is responsible for recycling data collection and reporting recycling program performance in the municipality or municipalities.

If the municipality has not met the above performance requirements, the grant funds awarded shall be expended by the municipality only to meet the performance requirements. If the municipality has met the performance requirements, the grant funds awarded may be expended by the municipality on any expense as determined in the discretion of the municipality. The Department may require budget documents or other expenditure records and may deny funding through this Section if an applicant cannot demonstrate that funds have been expended on eligible activities.



Nestor Resources, Inc.

Appendix C

Draft Solid Waste Ordinance

(Not provided in on-line version)