

**RECYCLING TECHNICAL ASSISTANCE
PROJECT #571
PITTSTON TOWNSHIP
LUZERNE COUNTY, PENNSYLVANIA**



**ASSESSMENT OF SINGLE STREAM
RECYCLING COLLECTION**

NOVEMBER 2015

*Sponsored by the Pennsylvania Department of Environmental
Protection through the Pennsylvania State Association of Township
Supervisors*

Project Completed By:
Environmental Resources Associates

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ERA  *CONSULTANTS IN ENVIRONMENTAL RESOURCE MANAGEMENT*

1.0 Statement of Problem

Pittston Township (Township) is situated near the Susquehanna River in the northeast corner of Luzerne County, Pennsylvania. The Township requested and was granted consulting services under the Recycling Technical Assistance Program sponsored by the Pennsylvania Department of Environmental Protection (PADEP) via the Pennsylvania State Association of Township Supervisors (PSATS). Specifically, the Township has recently transitioned from a comingled/dual stream to a single stream contracted residential curbside collection of recyclables and requested technical assistance to review/evaluate the new single stream collection program and provide recommendations for potential program improvements. (ERA) was assigned to provide the requisite consulting services.

2.0 Background

The Township has a total area of 13.79 square miles, population of 3,368 (2010 Census), 1,341 households, and a population density of 240 persons per square mile. Recycling has been encouraged by the Township for more than a decade. The Township and its recycling collection Contractor provided the following historical and current data of the volume of recyclables collected over the evolution of its recycling program.

Initially the Township developed a voluntary source separated recyclables drop-off facility for use of residents in 2004, which operated until March of 2010. Based on data provided by the Township, the program grew in popularity as evidenced by the continued increase of materials collected over its term.

Year	Annual Tons Recycled
2004	42.8
2005	57.6
2006	61.6
2007	68.3
2008	71.6
2009	76.6

The Township does not meet the requirements for mandatory recycling designation under Act 101. However, it opted in April, 2010 to establish a mandatory residential recycling program, via adoption of Ordinance 4-2010. This action was intended to enhance diversion of recyclables and help assure regulatory compliance consistent with Act 101 (as amended by Act 140) for grant funding assistance.

Using a competitive procurement process, the Township secured the services of a private contractor, J.P. Mascaro and Sons, to provide residential curbside waste and dual stream collection of recyclables. Typically, a dual stream program requires participants to pre-sort

recyclable commingled items (glass, plastic, aluminum and steel containers) separately from fibers (cardboard and paper).

The Township provided 14-gallon recycling bins to households to facilitate storage and collection of recyclables. Mandatory curbside collection of dual stream recyclables was initiated in April 2010 using a dual compartment recycling truck on designated collection days. Waste collection was provided one time per week and recyclables were collected on an every other week basis. Both collections occurred on Fridays throughout the Township. The dual stream recyclables collection included the following materials: glass containers (all colors); aluminum cans; steel and bimetalic-cans; plastic containers #1 thru #7; mixed paper and newspapers, paperboard, cartons; and corrugated cardboard.

Based on data provided by the Township, the mandatory dual stream collection of recyclables resulted in a significant increase in the volume of recyclables versus the drop-off program.

Year	Annual Tons Recycled
2010	138.4
2011	214.3
2012	180.1
2013	214.8
2014	217.6

Prior to the expiration of the waste and recyclables collection contract on March 31, 2015, the Township distributed a request for bids (RFB) for collection of waste and recyclables. Bids were requested for both dual stream and single stream recyclables collection. J.P. Mascaro and Sons (Contractor) was selected to provide residential curbside waste and single stream recycling collection services.

Under the new contract, waste collection remains at one time per week and recyclables collected every other week on Fridays. Each household is eligible to receive 208, 30 - gallon plastic waste disposal bags free of cost, with a set out maximum of four bags per week. Residents may purchase stickers for additional setouts at a cost of \$1.00 each. The Township charges a \$5.00 program registration cost per household and stickers for bulk item collection are available at a cost of \$2 each (limited to 12 per year). The Township also distributed 23-gallon recycling containers free of charge to residential households for use in the single stream program. During collections, single stream recyclables are placed in designated recycling containers and waste in the Township plastic bags.

Single stream is a recycling collection method that allows paper, cardboard, plastic, glass and metal to be comingled. Rather than sorting mixed paper and cardboard from other recyclables, such as metal and glass containers, residents place all into the recycling container.

Single Stream recyclables collection was initiated in April of 2015.

3.0 Project Scope of Work and Execution

Pittston Township has transitioned from dual stream to single stream contracted residential curbside collection of recyclables and requested a review of the new single stream collection system efficiency, corresponding participation and diversion rates, and to provide appropriate recommendations for program improvement. Summarized below are tasks accomplished by ERA over the term of the study. Detailed descriptions of work efforts and outcomes are included in subsequent sections.

Gather and Review Pertinent Information.

ERA met with Township representatives to gather pertinent historical and current information, education/outreach materials and ordinances relative to the Township's previous dual stream and current single stream collection program. ERA also contacted representatives from the Township's long-term collection Contractor, J.P. Mascaro and Sons to gain additional historic and current information regarding education/outreach efforts and volumes of waste and recyclables collected. The objective of these efforts was to gain baseline data for use in subsequent tasks.

Program Observation

ERA made several visits to the Township to observe collection crews during curbside collections, observing collection practices and efficiency on two occasions. Interviews and discussions were held with several of the recycling crewmembers to gain insight regarding collection efficiency and participation.

Based on the data and information provided by the Township and its Contractor, and observations conducted by ERA of the single stream collection practices and corresponding participation rates, ERA detailed its initial findings and recommendations for collection system and participation enhancement.

Final Report

ERA prepared a draft report detailing its observations, conclusions and recommendations, and submitted it to the PADEP for review and comment. Based on comments and input provided by PADEP, ERA prepared a final report and submitted it to the PADEP and an electronic and hard copy to the Township.

4.0 Observations

Two men collection crews collect single-stream recyclables once every other week on the same day as waste from the Township's households. The recyclables are collected using side-loading unibody compartmentalized (two compartments) recycling collection trucks. This type of collection vehicle is typically used for dual stream collection of recyclables. Residents place single stream recyclables in Township provided 23-gallon containers. ERA made several visits to the Township to collect data and information, gain input, observe and photograph recyclables collection practices and conduct surveys.

On two separate occasions, ERA monitored collection practices and conducted recyclables

setout surveys. ERA also conducted interviews and discussions with the recycling crewmembers to gain insight and additional information to assist in identifying options for program improvements. ERA conducted windshield/drive-by surveys to estimate household setout rates. Each survey included one set of 100 households.

Summarized below are ERA's observations, based on the above noted efforts.

☑ **Curbside Collection**

- Collection crews worked efficiently in collecting and replacing recyclables containers. Crews collected both sides of roadways with a single pass collection.
- Collection of corrugated presented a particular problem, many participants were not preparing corrugated properly (i.e. emptied and flattened in bundles). ERA observed that several residents failed to flatten cardboard and/or remove Styrofoam packing. Although the corrugated cardboard was not properly prepared, collection crew members took time to flatten the boxes or ripped large pieces of corrugated into manageable sizes and placed them in their collection vehicles.
- Use of side-loading unibody compartmentalized recycling collection trucks greatly limited the volume of recyclables collected thus necessitating frequent transport of loads to the materials processing facility.



- Improperly prepared and/or recyclables containing various unacceptable materials (most notably recyclables placed in plastic grocery bags) were readily collected.
- No preprinted stickers, tags, warnings, or violation notices noting deficiencies or improper preparation of recyclables and/or inclusion of unacceptable items were provided to residents or attached to recycling containers.
- A mix of recycling containers were used by households including: various sized plastic containers, cardboard boxes, 14-gallon Township recycling bins (from previous dual stream program) and Township 23-gallon single stream containers. It is notable that an estimated 25% of households set out multiple containers and varied containers to accommodate the volume of recyclables.
- Several households did not set out their trash or recyclables until after collection had occurred.

Household Setout Rates

- ↪ The setout rate for the first set was 79 of 100 households or 79%; set number two was 83%, yielding an average setout rate of 81%. The percentage of setouts is not necessarily indicative of a curbside collection program's true participation rate due to a number of variables.
- ↪ Variables include but are not limited to the following: households occupied by single individuals or couples that may not generate sufficient quantities of recyclables to warrant placing them at the curb on an every other week basis; some households set out recycling containers with only a few recyclable items, often to avoid peer pressure and/or lack of education and enforcement efforts.

Crew Members Interviews

- ↪ Collection crewmembers indicated to ERA that the most consistent problems encountered during collections were improper preparation of recyclables (placement of recyclables in plastic grocery bags and failure to flatten cardboard boxes) and inclusion of various unacceptable items with recyclables.

5.0. Conclusions and Recommendations

The objective of this study was to review the Township's new single stream recycling collection program efficiency, corresponding participation and diversion rates, identify current program challenges and opportunities for improvements and identify current program challenges and opportunities for program improvements.

Based on ERA's review of pertinent documents, recycling education/outreach information, observations of recyclables collection and handling practices, estimates of household setout rates, interviews conducted with collection Contractor crewmembers, and management personnel, and subsequent assessments of the Township's recycling program the following conclusions and recommendations for the Township's consideration.

5.1 Conclusions

Recycling Education/Outreach

- ↪ A major impediment to the collection program is the lack of a comprehensive and sustained education/outreach campaign that encourages, motivates residents, and provides incentives and enforcement measures essential to insure recycling program participation and increased diversion rates.

The current educational notices provided to ERA by the Township and its Contractor, are included in Appendix A. The current notices lack concise and easily understandable rules and regulations governing the types of recyclables accepted and recyclable materials preparation. They also fail to emphasize the many benefits that recycling

affords, the need for everyone's participation and cooperation in the proper preparation of recyclables and that it is the law. Sample education materials/notices and "Suggested General Recycling Education/Outreach Program Components", prepared by ERA are included in Appendix B.

- ↪ The Township provides residents 208 30-gallon garbage bags annually, free of charge. The maximum setout rate per household is four (4) bags per week. The only readily discernable costs for residents include a \$5.00 program registration fee, a \$1.00 per bag fee for additional bags and for bulk item stickers at a cost of \$2.00, limited to 12 per year. Currently the waste collection program is a tax-based service. Therefore, many residents do not readily perceive actual cost for waste collection and disposal and its interrelation to recycling participation and diversion of valuable recyclables from the waste stream. This situation is compounded by the lack of public education efforts (regarding the benefits of and requirements for recycling), positive incentives and active enforcement.

☑ Collection

- ↪ The current single stream recycling collection program is viewed as operating as efficiently as practical considering that the types of recyclables collected, collection methods and equipment remain virtually unchanged. The program virtually mirrors that of the previous dual-stream program. The only variable is the new larger capacity (23gallon) residential collection containers made available by the Township.
- ↪ Based on a comparative analysis of the current operation of the 2015 single stream collection program (April to October) to the same period of time for the dual stream program during 2014, the diversion rate for collection of recyclables was negligible, respectively 12.1% to 12.5%.
- ↪ Existing side-loading collection vehicles do not effectively handle the volumes of recyclables collected. Collection efficiency would be greatly improved if current side-loading recycling collection trucks were replaced with 25-cubic yard recyclables packer trucks. Packer trucks provide for the compaction of the recyclables reducing volume and maximizing the load capacity. Capacity of recyclable materials collected would increase by approximately 35% to 45% (depending on the set compaction ratio) over current side-loading trucks. This transitioning from side-loading to packer trucks would greatly reduce the time required to collect recyclables, deliver them to the materials processing facility and associated labor and fuel costs.
- ↪ Use of varied and multiple recyclables collection containers by households impede efficient collection requiring additional time and effort on behalf of collection crewmembers.

6.2 Recommendations

ERA offers the following recommendations to assist the Township to implementing program improvements designed to increase program participation and diversion rates, efficiency and economics.

- ☑ A comprehensive and sustained outreach/education campaign needs to be developed and implemented by the Township. Information included in the campaign must be concise, direct and easily understood, addressing all aspects of the recycling program. Explaining “why” the program is required is extremely important. A recycling education program must detail the requirements for and benefits of participation. The information to be conveyed must be crafted in a manner that generates interest and develops enthusiasm among the participants. However, not everyone will be enthused by the many local or even global benefits derived from recycling. This is one reason that each household be made aware of the fact that recycling is mandatory, it is the law, and the Township will take enforcement action, if required. Once “why” is established, “who, what, where, when and the how to” of the program must also be clearly and succinctly conveyed.

The Township needs to continually inform and educate its residents regarding the mandatory recycling program. The benefits of, and requirements for recycling must be reinforced on a regular basis: at a minimum of every 6 months. This effort will help to maintain interest and enthusiasm. Emphasize the fact that participation is required and that there are penalties for non-compliance that the Township **will** enforce. Development of a new recycling brochure/notice should be a coordinated effort with the Contractor. Sample education materials/notices and “Suggested General Recycling Education/Outreach Program Components” prepared by ERA are included in Appendix B.

- ☑ Initiate enforcement efforts relative to preparation of recyclables. Instruct the Contactor not to collect improperly prepared or contaminated recyclables and to attach a warning notice identifying the problem(s) and required corrective actions. The notice should also state that there are penalties for failure to comply with recycling regulations. The Township will undoubtedly receive calls regarding the Contractor’s failure to collect recyclables; however, Township officials must support the Contractor’s recycling collection crew’s actions in order for this endeavor to be effective.

Note: Based on discussions with the Contractor’s representatives, warning notices with detailed deficiencies checklists are available for use. The notices are multi-copies to allow a copy to be placed on the household’s recyclable container and verifying copies for use by the Contractor and Township.

- ☑ Establish a recycling advisory committee comprised of the Township’s Recycling Coordinator and representatives from the public and commercial sectors. The recycling advisory committee should meet regularly to review and evaluate the recycling program’s performance, provide guidance for program improvements and education and enforcement efforts. Consider charging the committee with establishing short and long-term goals for improving program participation and diversion and monitoring.

- ☑ The Township should consider evaluating the practicality of implementing a unit based variable rate structure for a waste collection “Pay-As-You-Throw” (PAYT) program. PAYT is an incentive-based waste program that distributes waste disposal costs more equitably and recycling collection is free. Historically programs have increased recycling participation and waste diversion rates.

As previously noted the Township’s current waste collection program is a tax-based service.

Therefore, many residents do not readily perceive actual cost for waste collection and disposal and its interrelation to recycling participation and diversion of valuable recyclables from the waste stream. Modification of the current program to include components of a PAYT system (variable rate price structure) would provide a financial incentive for increased participation and diversion.

Suggested modifications include, but are not limited to:

-  Reduce the maximum number of bags set out per week from four to three bags.
-  Increase setout fee for additional bags over the maximum setout rate.
-  Establish a per bag fee.

- Substitute 25-cubic yard recyclables packer(s) for existing side loading trucks to increase collection efficiency and economics.

Note: Based on recent discussions with the Contractor's representatives, 25-cubic yard packer trucks will be placed in service for collection of recyclables in early 2016.

- The Township should consider increasing the size of the recyclables collection container to 32 gallons (at a minimum) or 64 gallons. Increasing the size of the collection containers will avoid the need for use of varied and multiple recyclables collection containers by households. This will aid in increased participation via increased convenience for households and improve collection efficiency.
- The Township should work cooperatively with its Contractor to develop, coordinate and implement a comprehensive education/outreach campaign. An opportune time to implement the campaign would be coincident with implementing the use of the new recyclables collection trucks.

Appendix A
Current Educational Notices

BOARD OF SUPERVISORS
TOWNSHIP OF PITTSSTON
Pennsylvania



Stephen Rinaldi - *Supervisor, Treasurer*
Joseph Adams - *Supervisor, Chairman*
Barbara Attardo - *Supervisor, Vice Chairman*
John A. Bonita, C.P.A. - *Financial Administrator*

March 1, 2015

Dear Pittston Township Resident:

**NOTICE: Effective immediately the new phone number
for the Pittston Township Police is 570-569-2242
IN THE EVENT OF AN EMERGENCY CALL 911.**

The 2015 Refuse Permit and sale of garbage bags will begin on Wednesday, May 6, 2015, to Friday May 8, 2015 at the Pittston Township Municipal Building for the fiscal year June 1, 2015 to May 31, 2016. Hours of operation are:

Wednesday	05-06-15	9:00 AM to 6:00 PM
Thursday	05-07-15	9:00 AM to 6:00 PM
Friday	05-08-15	9:00 AM to 4:00 PM

Be sure to mark these dates on your calendar. After May 8, 2015 a late fee of \$10.00 may be imposed. We will post this notice on our website pittstontownship.org for your future reference and will advertise in the Sunday Dispatch on Sunday, May 3, 2015.

Residents are reminded that the maximum amount of bags that a household may receive during the fiscal year will be 208 bags, a maximum of four (4) bags per week. In 2015 the Supervisors have once again agreed to waive the cost of bags. Each resident will receive 208 bags at no cost. They can be picked up in total at the registration or available during the year at the Municipal Building. The cost of registration will be \$5.00. Bulk stickers are limited to twelve (12) per year at a cost of \$2. **Garbage pick up days will continue to be Friday of each week for all of Pittston Township.**

RECYCLING

Curbside Recycling will remain in effect. Recycling must be put out the night before your scheduled pick up.

Beginning in 2015 the Township recycling will be **SINGLE STREAM RECYCLING** - (also referred to as "single sort" or "fully commingled") - a system in which recyclable materials are placed in a single recycling container at curbside by each residential property owner and then collected by the Collector fully commingled. **Recycling pick up days will continue to be Friday of alternating weeks.**

Residents are advised that when a holiday is observed on your normal collection day, the garbage and/or recycling collection will take place on the following day. Garbage must be placed outside the night before the scheduled pick up day, with a limit of 4 bags per household per week. Garbage must be placed in Township bags and securely tied. **Residents will receive a calendar depicting the collection dates as outlined above.**

CONTINUED ON REVERSE SIDE

MUNICIPAL BUILDING • 421 BROAD STREET • PITTSSTON, PA 18640
ADMINISTRATION OFFICE (570) 654-0161 • FAX (570) 655-4488

LANDLORDS: IT IS YOUR RESPONSIBILITY TO NOTIFY TENANTS OF THE REGULATIONS REGARDING REFUSE AND RECYCLING.

The Township will be sponsoring an Electronic Pickup on Saturday, June 20, 2015 at the Recycling Center, Pittston Township Blvd. for residents of Pittston Township. Commercial and/or non township residents will not be able to drop off their electronic devices. At that time electronic devices such as laptops, computers, monitors and televisions can be disposed of. **This will be a DROP OFF Program and not curbside pickup.**

AMBULANCE MEMBERSHIP REBATE

A \$ 35.00 rebate will continue to be reimbursed to the residents of Pittston Township for their paid Pittston Township Volunteer Ambulance 2015 Membership. The Supervisors will hold the refund period during the same time and hours as the issuance of the Pittston Township Refuse Registration. Refunds will be issued upon presentation of a paid Pittston Township Ambulance Association receipt or a copy of/or a cancelled check indicating payment to the Ambulance Association.

SEWER BILL REBATE

Residents will continue to be reimbursed the first and second quarter installment of their 2015 Wyoming Valley Sanitary Authority and Lower Lackawanna Valley Sanitary Authority bill, with a maximum of \$46 per quarter. In addition, the Pittston Twp. sewer bill of \$10 will also be reimbursed. As in the past, residents having septic systems will be reimbursed \$80 as their tanks are cleaned.

We will continually strive to make our Township a better, safer place to live. Your cooperation is greatly appreciated.

Pittston Township Board of Supervisors

Joseph "Murph" Adams Barbara Attardo Stephen Rinaldi

Trash & New Single Stream Recycling Information

Single-Stream Recycling is Here!

Pittston Township offers a new recycling program called single-stream which makes it easier than ever to recycle. Thanks to new technology, everything that your household recycles will now go in loose in the same container. No need to separate your papers, cardboard and plastics, etc. **Starting February 6, 2015!**

What is Single Stream Recycling?

Single-stream recycling refers to a system in which all paper fibers, plastics, metals, and other containers are mixed in a collection truck, instead of being sorted by you into separate containers (newspaper, paperboard, corrugated fiberboard, plastic, glass, etc.) and handled separately throughout the collection process. Do not use plastic grocery bags to hold recycling.

Trash Collection

Trash will be collected once a week on **FRIDAYS**. To ensure that you are not missed, place items at the curb the night before. Items may not be placed at the curb before 4 p.m. the night before and must be removed no later than 10 a.m. the day following collection. Each household is limited to FOUR (4) Township Bags per week.

Holiday Schedule

If a holiday is before or on a collection day then collection will occur the next day. **Example:** Monday, Memorial Day, Friday collection will occur Saturday, Tuesday Holiday collection on Saturday, Wednesday Holiday collection on Saturday, Thursday Holiday collection on Saturday and Friday Holiday collection on Saturday (for that week only). Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

No Hazardous Wastes

Car batteries, gasoline, motor oil, pesticides, oil-base paints and other toxic and hazardous materials do not belong in the trash! Call Luzerne County's Solid Waste Management Department at 800-821-7654 or 570-820-6300 for information on disposing of these materials. Many auto stores accept used motor oil and car batteries.

NO Electronic Waste

No person may dispose of a electronic devices, or any of its components, with their municipal solid waste. Electronics include desktop computers, laptops computers, computer monitors, microwave ovens and televisions. Electronic retail stores like Staples® and Best Buy® do accept certain types of electronics at no charge (certain restrictions apply).

2015 Trash & Single Stream Recycle Collection Calendar

1-800-243-7575

Monday thru Friday 8:30am to 5:30pm

Saturday: 8:30am to 12:00pm

January 2015						
Su	M	Tu	W	Th	F	Sa
					H 2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

February						
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March						
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29	30	31				

April						
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12	13	14	15	16	17	18
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26	27	28	29	30		

May						
Su	M	Tu	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	H	26	27	28	29	30
31						

June						
Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

July						
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August						
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30	31					

September						
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27	28	29	30			

October						
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25	26	27	28	29	30	31

November						
Su	M	Tu	W	Th	F	Sa
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15	16	17	18	19	20	21
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29	30					

December						
Su	M	Tu	W	Th	F	Sa
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20	21	22	23	24	H	26
27	28	29	30	31		

☐ Trash ☑ Recycle ☒ Holiday (Switch to single stream recycling on Feb. 6th, 2015)



2015 Collection Calendar PITTSSTON TOWNSHIP RESIDENTS!



TRASH

SINGLE-STREAM RECYCLING

TRASH & NEW SINGLE STREAM RECYCLING INFORMATION INSIDE!



J. P. Mascaro & Sons
If it's service, it's us!

1-800-243-7575

STANDARD PRESORT
US POSTAGE
PAID
FT. WASHINGTON, PA
PERMIT NO. 90

J. P. Mascaro & Sons
If it's service, it's us!
2650 Audubon Road
Audubon, PA 19403
1-888-MASCARO



Appendix B

Suggested Recycling Education/Outreach Program Components And Sample Education Materials/Notices

Suggested Recycling Education/Outreach Program Components

A comprehensive and sustained education/outreach campaign that encourages and motivates residents to include enforcement measures is essential to insure recycling program participation. The following are suggested components for developing an education/outreach program that is intended to gain interest, increase enthusiasm and participation and help assure compliance.

Provided below is guidance and direction for establishing and implementing a comprehensive and sustained public information and education program.

- Place an eye-catching advertisement in a paper of general circulation providing details of the recycling program, its merits and requirements (at a minimum of twice per year). Requirements for and benefits recycling should also be noted.
- Prominently post a *Public Notice* at the municipal building where public notices are regularly posted.
- Prepare an instructional flier/ brochure, one that is eye catching and to the point: (i.e.: who, what, where, when and why). Include graphics for ease of comprehension. Emphasize that the program is mandatory, **“It’s The Law”** and the Township will enforce it. The brochure should be delivered by the collection Contractor and distributed at the recycling/compost facilities or sent with tax bills or other information to save on mailing costs. Additional brochures may be placed in public buildings and at local businesses.
- Develop recycling information on the Township’s web site. PADEP allows one of the two annual required public recycling education/ information notifications to be posted on the municipal web site.

Items recommended for inclusion in a web site:

- ✓ Detailed requirements of the recycling program.
 - ✓ Recycling is positive for the community, business, the economy, the environment.
 - ✓ Recycling is mandatory and the Township will take appropriate enforcement actions for non-compliance.
 - ✓ Why each household/ commercial enterprise regardless of size is important to the success of the recycling program.
 - ✓ List of designated materials to be recycled.
 - ✓ Requirements of and guidelines for establishing recycling programs at Multi-Family Dwellings and CMI recycling programs.
 - ✓ Sources of available recycling and waste reduction information.
- Prepare and distribute news releases and public service announcements to the local media. Provide program details, importance of the program (e.g.; waste stream reduction, saving on disposal fees, saving/reuse of valuable resource, reduction of dependence on disposal facilities and, of course, it is the law).

- Include recycling requirements with official announcements periodically mailed to residential taxpayers.
- Encourage and assist schools to provide for recycling education programs.
- Develop incentive programs for participation rewarding residents and commercial entities for participation. Profile selected participants in the Township's newsletter, web site or in press releases, present a certificate or plaque to exemplary participants.



What is Single-Stream Recycling?

Metal



Paper & Cardboard



Glass



Plastic



Single-Stream Recycling allows all recyclables to be placed in one container. There is no need to separate items such as cans, bottles, and plastics from newspapers, cardboard, etc.

Metal: Tin and aluminum cans, empty paint cans.

Glass: Jars and bottles.

Cardboard: Empty and flattened and loose.

Cartons: Milk, Juice, Soup, Flavored drink and Aseptic cartons are examples.

Mixed Paper: Newspaper, magazines, mail (junk and personal), phone books, food boxes (remove plastic liner), computer paper, flyers, wrapping paper (no foil or plastic wrap), soda and beer cartons (no food-soiled paper, please!)

Plastic Containers: Recycle #1 through #7 plastics ONLY (mostly beverage and detergent containers). Look for one of these numbers on the bottom of the container to see if it's acceptable.

Unacceptable Materials: Ceramics, dishes, coffee cups, drinking glasses, glass oven ware, pyrex, vision Ware, window glass, mirrors, light bulbs, plastics without #1-#7 labeling, plastic bags, styrofoam packaging, bubble wrap, tissue or paper towels, milk or juice, wax paper cartons, metallic or coated paper, books and toys Bottom of Form

Borough of Nazareth

TRASH & RECYCLING COLLECTION

CHANGES TO **THURSDAY**

STARTING **JANUARY 2**



TRASH



YARD WASTE



RECYCLING

Borough of Nazareth Collection 2015 Calendar

Starting Friday, January 2, 2015 curbside collection days will change to Thursday. Trash & Single-stream recycling material will be collected on the same day.

ECOLOGY COMMITTEE & BOROUGH COUNCIL APPLAUD SUCCESS

The Ecology Committee of Borough Council would like to thank our Borough residents for their continued support in striving to meet our recycling goals. Because of the borough's efforts and commitment, we have received a Performance Recycling Grant from the Department of Environmental Protection. This helps support our recycling efforts. We appreciate your continued vigilance in our recycling program. Please feel free to contact the ecology Committee or the Borough if you have any suggestions or questions.

Charles Donello
Chairman-Ecology Committee
484-274-2235

Christine Lilly
Borough Assistant Secretary/Treasurer
610-759-0202

CURBSIDE COLLECTION

By Borough Ordinance, refuse and recyclables should be placed curbside no earlier than one day before pick up on **THURSDAY** (not before), but prior to 7:00 AM on Thursday. When a holiday occurs on Monday, Tuesday, Wednesday, or Thursday pickup will be

Friday (see calendar) Remember – maximum weight of containers or bags is 40lbs and there is a 4 container/bag limit per unit per week for refuse.

METAL BULK ITEMS COLLECTION

Metal bulk items such as piping, railings, lawn furniture, swing sets, bicycles, box springs, barbecue grills, mowers or any other metal items that can be salvaged will be collected on any Thursday.

LARGE (NON-METAL) ITEMS COLLECTION

Large (non-metal) items such as sofas, futons, mattresses, tables, chairs, speakers etc...can be put out with regular garbage pickup at no extra fee. There is a limit of 1 item per week.

WHITE GOODS COLLECTION

White goods such as refrigerators, freezers, air conditioning units, washers, dryers, water heaters etc...require a sticker to be purchased at the Borough Office (134 S. Main Street) prior to placing the items curbside. Any white good (regardless of freon existence) requires a \$30.00 collection fee. White goods can be picked up on any Thursday of the month. The hauler will be responsible for the removal of the gases. All materials must be curbside by 7:00 AM on Thursdays.

January 2015						
Su	M	Tu	W	Th	F	Sa
				H	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

February						
Su	M	Tu	W	Th	F	Sa
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March						
Su	M	Tu	W	Th	F	Sa
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29	30	31				

April						
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			1	2	3	4
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26	27	28	29	30		

May						
Su	M	Tu	W	Th	F	Sa
					1	2
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June						
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July						
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August						
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30	31					

September						
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October						
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November						
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29	30					

December						
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13	14	15	16	17	18	19
20	21	22	23	24	H	26
27	28	29	30	31		

Trash, Recycling, Yard Waste - Thursday H = Holiday (one day late)

Single-Stream Recycling is Here!

Nazareth Borough offers a recycling program called *single-stream* which makes it easier than ever to recycle. Thanks to new technology, everything that your household recycles will now go in the same container. **No need to separate your papers, cardboard and plastics, etc.**

Metal	Paper & Cardboard	Glass	Plastic
 <ul style="list-style-type: none"> NO Materials in Plastic Bags NO Plastic Bags NO Scrap Metal 	 <ul style="list-style-type: none"> NO Books No Contaminated pizza boxes 	 <ul style="list-style-type: none"> NO Window glass NO Light bulbs NO Mirrors 	 <ul style="list-style-type: none"> NO Toys NO Ceramics

responsible for the enforcement of this requirement. Please Remember! For safety reasons, the recycling lid should be used on collection days.

GLASS BOTTLES

- Recycle all unbroken bottle and jars.
- Remove and discard all caps and lids.
- Rinse out.
- Leave labels on.
- DO NOT recycle window glass, light bulbs, dishes or drinking glasses.
- DO NOT break the glass.

PLASTIC CONTAINERS WHAT CAN BE RECYCLED?

- All class 1 through 7 plastics are recyclable. These include, but are not limited to: plastic soda bottles, milk jugs, containers for laundry detergent or motor oil, grocery bags, syrup bottles, Styrofoam and coffee cups.
- Remove, discard lids and rinse.
- Flatten containers.
- Labels may be left on.

RECYCLING CONTAINERS

Every home has received a free recycling container. You can mix all of your plastic bottles, glass bottles and metal cans in this one container. It must never be used for trash or other purposes. The container is the property of the Borough of Nazareth; however, you have the responsibility to maintain and use it properly. If it is lost or damaged, a replacement will have to be purchased from the Borough at a cost of \$10.00. You are encouraged to personalize the container by marking it with your address. If you or your tenants move, the container shall remain with the property. The owner (Landlord) is

UNACCEPTABLE MATERIALS

Ceramics, dishes, coffee cups, drinking glasses, glass oven ware, pyrex, VitonWare, window glass, mirrors, light bulbs, plastics without #1-#7 labeling, plastic bags, styrofoam packaging, bubble wrap, tissue or paper towels, milk or juice, wax paper, cartons, metallic or coated paper, waxed boxes, books and toys. Food contaminated cardboard (i.e. pizza boxes) and paper towels.

gated cardboard (flattened), double bagged office paper and chipboard boxes may be taken to our Public Work garage on GW Stout Blvd. Cardboard/office paper and all recyclable dumpsters are available to Borough residents during business hours: (7:30am thru 3:00 pm Monday thru Friday).

MAGAZINES / JUNK MAIL / OFFICE PAPER

Magazines and junk mail should be placed paper or tied in bundles. Office paper, copy paper, envelopes, etc... should be placed in double bags. You can mix with magazines and junk mail.

CONSTRUCTION DEBRIS

Construction type materials such as rugs, wood etc... can be put out but must be tied in 3 foot bundles and not weigh more than 40 pounds each.

ELECTRONIC WASTE

Recycling Act (Act 108) No person may dispose of a covered device, or any of its components, with their municipal solid waste. Covered devices include desktop computers, laptops computers, computer monitors and televisions. Electronic retail stores like Staples* and Best Buy* do accept certain types of electronics at no charge certain restrictions apply.

YARD WASTE COLLECTION

Yard waste collection is included in your normal refuse collection. However, it is included in the four (4) can per unit limit. During the grass cutting season, three (3) large dumpsters will be provided for collection of grass clippings and yard waste. These dumpsters are located at our facility on G.W. Stout Blvd. All residents who normally bag their grass clippings are strongly urged to use these dumpsters. There is no charge and it will eliminate this material from the waste stream. The hours of operation are as follows:

Tuesday, Wednesday & Thursday - 12 noon until 6 PM
Saturday - 10AM until 6PM - Sunday - 10 AM until 4 PM
Closed Mondays and Fridays

The yard waste facility will be in operation from April 1, 2015 through November 29, 2014. (weather permitting)

NOTE: During November the yard Waste Facility will close at dusk.

During the fall season, all residents are reminded to deposit bulk leaves at the curb for pick up by the Borough Public Works Department. Only leaves will be collected. Recycling of leaf waste must be done in compliance with state law. Any other yard waste such as grass or branches cannot be included with the leaves. These other materials can cause serious injury to the collection crew and severe damage to the equipment. For the safety of the workers and the equipment, only leaves may be placed in a pile for bulk collection. Branches should be tied in bundles not more than three

(3) feet long, weigh no more than 40 pounds and put out with the regular garbage. For persons who bag their leaves, after the curbside collection time, remember, a maximum of four (4) cans of refuse (including yard waste) will be collected for each residential unit. Therefore, all leaves stored on your own compost pile means less bagging, less collection and ultimately more savings. Residents are encouraged to mulch their grass instead of bagging. Mulching promotes lawn integrity and retains nutrients. **Beginning the third week of October to the third week of December, all leaves shall be placed loose along the curb in the street for pick up by the Public Works Department. Leaves shall not be placed in bags during this time period.**

UNACCEPTABLE WASTE

Items such as oils, lead based paint, thinners, pesticides, herbicides, insecticides, vehicular batteries, compact fluorescent light bulbs and similar items are considered by law as hazardous material. They WILL NOT be collected. Please call the PA DEP at 610-861-2070, or visit their website a www.dep.state.pa.us

LATEX (WATER BASED) PAINT

Latex paint can be put out, but must be dried out completely before placing it curbside. Kitty litter can be used to dry out the paint.

CHRISTMAS TREE PICKUP AND DROP OFF

J.F. Mascaro & Sons will be picking up Christmas trees at curbside on the following dates:

Friday, January 2, 2015
Thursday, January 8, 2015
Thursday, January 15, 2015

DROP OFF: Residents may also drop off their Christmas trees at the Yard Waste Facility on G.W. Stout Blvd. during the month of January. You must remove air, land, tinsel and tree bags. No other items shall be included with the Christmas trees.

ADMINISTRATIVE FEES

- \$20.00 fee for returned checks
- \$10.00 fee for failure to notify the Borough of a change of address
- \$10.00 fee for bills returned to Borough Office as not deliverable, temporarily away or new addresses not forwarded.
- \$10.00 fee for balance due or payoff amount certification requests.

LATE PAYMENT FEES:

- Ten percent (10%) of bill if not paid within 30 days
- Additional one percent (1%) per month for each month in excess of 90 days
- \$200.00 collection fee if legal action is required.
- \$200.00 fee for filing a municipal lien in addition to the cost and expense incurred by the Borough.

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Metal



NO Materials In Plastic Bags
NO Plastic Bags
NO Scrap Metal

Paper & Cardboard



NO Books
No Contaminated
pizza boxes

Glass



NO Window glass
NO Light bulbs
NO Mirrors

Plastic



NO Toys
NO Ceramics

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♻️ METAL CANS, ALUMINUM, STEEL (TIN) & BIMETALLIC

- Recycle all beverage, soup, vegetable, fruit and pet food cans and rinse out.
- Crushing cans will save space
- Recycle empty aerosol cans.
- DO NOT recycle aluminum foil

♻️ POLYCOATED PAPER CONTAINERS

- Drink boxes – examples include the small boxes popular with children and larger, one liter rectangular boxes used for soy milk.
- Gable top cartons include milk and juice cartons (again – all sizes) and some dry good (e.g., Pepperidge Farms crackers and malted milk balls). Cartons with plastic lids and aluminum linings are acceptable. Please empty and rinse.

♻️ NEWSPAPERS

Recycle the newspaper and all that comes with it. Newspapers can be mixed with everything.

♻️ CARDBOARD

Corrugated cardboard boxes will also be collected. You must flatten all boxes and tie into bundles no larger than 2'X3' X 1 foot high. Do not include wax coated, paint or oil contaminated boxes; or single chipboard boxes such as cereal, pizza or cracker boxes. Large pieces of corru-

gated cardboard (flattened), double bagged office paper and chipboard boxes may be taken to our Public Work garage on GW Stoudt Blvd. Cardboard/office paper and all recyclable dumpsters are available to Borough residents during business hours. (7:00am thru 3:00 pm Monday thru Friday).

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