



July 10, 2003

Ms. Rhona Klein
Recycling Coordinator
London Grove Township
372 Rosehill Road, Suite 100
West Grove, PA 19390

Subject: **Contracting for Solid Waste Services with an Incentive to Recycle**

Dear Rhona:

This letter report serves to provide London Grove Township with example contract language for contracting with private service providers for solid waste refuse services that include an economic incentive to recycle through varying sizes of refuse carts. Specifically, the following provide language and examples of:

- Conditions of service;
- Container provisions;
- Mechanisms for distributing, maintaining and replacing carts;
- Billing procedures;
- Rate structures for varying carts;
- Policies for residents changing service levels;
- Financial reimbursement for communities who manage billing; and,
- Sample ordinance language.

In addition, this report estimates the quantity of recyclable materials that could be recovered through a PAYT program that includes curbside recycling.

CONDITIONS OF SERVICE

LITTLE CANADA, MN

The Contractor shall supply all labor, materials, and equipment necessary to make a complete collection of garbage, refuse, yard waste and recyclables from all residences in the City of Little Canada at least once in each calendar week during the term of the contract. The Contractor shall provide said services in compliance with all applicable laws and shall charge for said services on a volume-based schedule.

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CITY OF COOPER CITY, FL

The Contractor shall provide collection services within the service area and shall be responsible for the purchase, distribution, inventory, repair and replacement of roll-out garbage cans, recycling bins, recycling carts, containers and roll-off containers as appropriate.

Residential containerized solid waste collection service shall be provided at least (1) time per week on a regularly scheduled basis with no exceptions for holiday(s) as set forth herein, except the collection service scheduled to fall on a holiday may be rescheduled as determined between the customer and the contractor as long as the minimum frequency is met. The size of the container and the frequency (above the minimum) of collection shall be determined between the customer and the contractor. However, size and frequency shall be sufficient to provide that no residential solid waste shall be placed outside the container. The contractor shall provide containers at the approved rates...however, customers may own their container provided that the customer shall be completely responsible for its proper maintenance and such container shall be the type that can be serviced by the contractor's equipment.

Prior to providing residential containerized collection services, and annually thereafter during the term of the contract, a written service agreement between the contractor and the customer, in a format acceptable to the City, shall be entered into regarding the level of service and type of service to be provided.

The contractor shall notify the City within twenty-four (24) hours of the establishment or discontinuation of residential containerized collection service to any residential containerized service unit covered under this contract. The contractor's notice shall provide the name and address of the residential containerized service unit, the frequency of collection, the size of container(s), and the number of containers or carts and a copy of the written service agreement.

CITY OF PLANTATION ACRES, FL

All persons occupying or maintaining a place of residence in single, duplex, or triplex family dwellings, multiple dwellings, and trailer parks shall be provided regular solid waste collection service at least two (2) times per week under this franchise agreement. All units are required to receive such service.

CONTAINER PROVISIONS

LITTLE CANADA, MN

All occupants of residential dwelling units in the City shall be required by ordinance to keep garbage and refuse in approved containers as described below:

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- 1) Exempted are residents who qualify for the low volume bag rate¹. They may use stickered 30-gallon trash bags;
- 2) A container of 30 gallons or a limit of two (2) containers not to exceed a total of 30 gallons;
- 3) A container of 60 gallons or a limit of two (2) containers not to exceed 60 gallons;
- 4) A container of 90 gallons or a limit of two (2) containers not to exceed 90 gallons; or
- 5) Five (5) containers of 30 gallons not to exceed 150 gallons in capacity.

CITY OF PLANTATION, FL

The areas known as "Plantation Acres," "Maleleuca Isles," and "Hawks Landing" (excluding trailer parks) shall be allowed one 96-gallon wheeled Toter cart as described in Paragraph 11(o)² ...The contractor shall furnish containers, as described in 11(o) for a reasonable maintenance fee.

DISTRIBUTION, MAINTAINANCE AND REPLACEMENT

LITTLE CANADA, MN

The residents purchase, maintain and replace their own containers.

CITY OF COOPER CITY, FL

Distribution - The contractor shall begin the initial distribution of the roll-out garbage cans on March 1, 2001, or such other mutually agreed upon date, and complete the distribution within ten (10) work days. During the initial distribution, the contractor shall provide each residential service unit with a ninety-six (96) gallon roll-out garbage can. Subsequent to the initial distribution, the City, based upon request by any residential unit, shall provide the contractor with a listing of the numbers and sizes of the additional roll-out garbage cans requested by each residential service unit.

The contractor shall distribute fully assembled and functional roll-out garbage cans to new service units that are added to the contractor's service area during the term of this contract. The number and size of the roll-out garbage cans to be distributed will be in accordance with the information to be provided by the contract administrator to the contractor and the distribution shall be completed within three (3) work days of the receipt of the information from the contract administrator.

Replacement - The contractor's employees shall take care to prevent damage to roll-out garbage cans by unnecessary rough treatment. However, any roll-out garbage can damaged by

¹ Residents over 65

² Toter cart shall mean a 96-gallon wheeled cart

the contractor shall be replaced by the contractor, at the contractor's expense, within three (3) work days at no cost or inconvenience to the customer.

Upon notification to the contractor by the City or a customer that the residential roll-out service unit's roll-out garbage can has been stolen or that it has been damaged beyond repair through no fault of the contractor, the contractor shall deliver a replacement roll-out garbage can to such residential roll-out service unit within three (3) work days. The contractor shall report all roll-out garbage can replacements to the City within five (5) days of the end of each month.

Each residential roll-out service unit shall be entitled to the one-time replacement of lost, destroyed, or stolen roll-out garbage cans during the life of this contract at no cost to the residential roll-out service unit. Accordingly, the contractor shall be compensated for the cost of those replacements in excess of the one-time replacement per residential roll-out service unit during the life of the contract.

Repair – The contractor shall be responsible for repair of roll-out garbage cans in the areas to include but not be limited to, hinged lids, wheels and axles. Within five (5) work days of notification by the City or a residential roll-out service unit of the need of such repairs, the contractor shall remove the roll-out garbage can for repairs and deliver a replacement roll-out garbage can to the residential roll-out service unit or make the repair at the residential roll-out service unit if such repair can be completed with no disruption to the inhabitants of the residential roll-out service unit.

CITY OF PLANTATION ACRES, FL

The ownership of the Toter carts shall remain with the contractor. The contractor may require the recipient of each Toter cart to sign a receipt. After initial distribution by the contractor of the Toter carts, the contractor shall be responsible for supplying Toter carts for newly occupied residential units free of charge and for replacement of lost or damaged Toter carts with a replacement charge to the resident at the contractor's cost. At the termination of this franchise agreement, the contractor may reclaim possession of the Toter carts previously delivered to the residents including the replacement Toter carts.

BILLING PROCEDURES

LITTLE CANADA, MN

The contractor shall bill and collect monies due from residents for collection service. The City will send notices to delinquent residents in the fall of each year asking them to make their accounts current. If, after receiving the City's notice, a resident still fails to make payment, the City will reimburse the contractor for the delinquent amounts and the contractor will credit the appropriate amounts to the delinquent residents' accounts.

CITY OF COOPER CITY, FL

The City is responsible for billing.

CITY OF PLANTATION, FL

All residents in "Plantation Acres," "Maleleuca Isles" and "Hawks Landing" (excluding trailer parks) shall be billed quarterly by the contractor and in advance. The City shall periodically notify the contractor as new residences entitled to this service are issued a Certificate of Occupancy. The contractor's charge for garbage collection service to a new resident shall begin the next collection day after the delivery of the Toter cart by the contractor to the resident.

RATE STRUCTURES

LITTLE CANADA, MN

- 1) The cost for low-volume service rate shall be \$2.75 per bag. The service will be offered to residents over the age of 65. The service will consist of a prepaid sticker purchased directly from the contractor and applied to the bag, which is placed on the curbside for pick up on collection day. If a sticker is not present during collection, no pick up will be made.
- 2) Monthly cost for the 30-gallon service (one 30-gallon can) will be \$8.29.
- 3) Monthly cost for the 60-gallon service (one 60-gallon can) will be \$9.77.
- 4) Monthly cost for the 90-gallon service (one 90-gallon can) will be \$11.79.
- 5) Monthly cost for the 150-gallon service (five 30-gallon cans) will be \$14.38.

CITY OF PLANTATION, FL

1st Cart \$20.89/unit/month;

2nd Cart \$14.00 additional per month; and

3rd Cart \$14.00 additional per month.

CITY OF COOPER CITY, FL

Monthly rate per Residential Unit \$ 14.95

POLICIES FOR RESIDENTS CHANGING SERVICE LEVELS

LITTLE CANADA, MN

Each homeowner will be allowed to make a service selection once per year. Additional selections during the year would require a \$15 administrative fee payable to the resident's contractor

CITY OF COOPER, FL

Upon notification to the contractor by the City or a residential roll-out service unit that a change in the number or size of roll-out garbage cans is required, the contractor shall deliver or pick up, as applicable, such roll-out garbage cans to such residential roll-out service unit within five (5) work days. Each residential roll-out service unit shall be eligible to receive one (1) free roll-out garbage can exchange per contract year during the term of this contract. Accordingly, the contractor shall be compensated for the cost of those exchanges in excess of one (1) per contract year.

THE CITY OF PLANTATION, FL

Request from a customer for changes in level of service, either in container size or frequency of collection, shall be evidenced by a service level change request form, in a format applicable to the City. The service level change request form shall be submitted to the City for approval within three (3) work days of receipt of the form by the contractor. The City shall approve or deny the request in writing and shall provide the contractor with such written approval or denial within ten (10) work days of receipt of the request from the contractor. The City's determination shall be final. The contractor shall not provide a change in container size or frequency without receiving written permission from the City.

FINANCIAL REIMBURSEMENT FOR COMMUNITIES WHO MANAGE BILLING

LITTLE CANADA, MN

The collection fee shall be reduced by \$0.50 per month for each collection unit should the City take over the responsibility for billing its residents for the refuse collection services. The option to do so is at the City's sole discretion and can be implemented upon (90) days written notice to the contractor. If implemented, the contractor shall submit a bill to the City on or before the 7th day each month. The City would pay the contractor before the end of each month during the term of this contract. ...The contractor shall provide the City with any changes in service to its customers within those days of receipt. The City, at any time during the course of the contract, may request a review of the contractor's records to verify the accuracy of household collection and service levels.

CITY OF COOPER CITY, FL

The City shall be responsible for billing and collection of payments for all residential collection services except additional services as set forth in Section 4.12³. The contractor shall provide the card stock to be used for billing and shall pay the City three percent (3%) of gross revenues

³ Upon request of a customer, the contractor may provide additional services, including but not limited to off-street collection service or the collection of special items for an additional fee. The contractor shall be responsible for all billing and collection of service fees for the provision of these additional services.

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received from residential collection services to cover the cost incurred by the City for billing and collection of monthly service charges. The City shall initially pay the contractor, net of the three percent (3%) charge, for residential collection services in accordance with the rates and generation factors and may be subsequently adjusted pursuant to this contract. The contractor shall invoice the City for services rendered under this contract no later than the 10th day of the month following the month such services were rendered. The City shall review the invoice and pay all undisputed portions of the invoice within thirty (30) days of the receipt of the invoice.

CITY OF PLANTATION, FL

No provision included.

ADDITIONAL PAYT COMMUNITIES

In addition to the contract and bid information presented above, R. W. Beck obtained general PAYT program information for the communities identified in Table 1.

Table 1

| | Austin, TX⁴ | Seattle, WA⁵ | Portland, OR⁶ | Minneapolis, MN⁷ | Gainesville, FL⁸ |
|---|-------------------------------|--------------------------------|--|--|---------------------------------------|
| 1. In your city or municipality, is MSW collected by City crews or by private haulers or a combination of both? | City crews. | Private haulers. | Portland has a franchise agreement. Independent haulers are assigned specific areas. The City Council sets the rates haulers charge for collection of residential garbage, recycling, and yard debris. Rates are reviewed annually in the spring. | Per City Ordinance: At least 50% of the MSW and recycling collection and removal services shall be provided by City employees. At this time, approximately 50% of the dwelling units are serviced by City crews and 50% by Minneapolis Refuse Inc. (MRI), a consortium of private haulers. (The City collects MSW from approximately 54,000 dwelling units of 4 units or less, each week.) | Private hauler (franchise agreement). |
| 2. Is MSW collected | Semi-automated 40% | Mostly semi-automated. | Manually for cans and semi- | Semi-automated system. | Fully-automated. |

⁴ Source of information: Responses to questions submitted by Jerry Hendrix, City of Austin Solid Waste Services.

⁵ Source of information: Responses to questions asked of Hans Van Dusen, City of Seattle Public Utilities.

⁶ Source of information: Responses to questions submitted by Bruce Walker, City of Portland Solid Waste and Recycling Division.

⁷ Source of information: R. W. Beck, Collection Efficiency Study (2002) and responses by City staff, City of Minneapolis Division of Solid Waste and Recycling.

⁸ Source of information: Responses to questions submitted by Gina Hawkins, City of Gainesville Solid Waste Division.

| | Austin, TX ⁴ | Seattle, WA ⁵ | Portland, OR ⁶ | Minneapolis, MN ⁷ | Gainesville, FL ⁸ |
|---|---|--|---|--|--|
| manually or via semi-automated or fully-automated systems? | Fully-automated 60% | The smaller container sizes (12 & 20-gallon) are sometimes tossed by hand because it's easier than using tippers. | automated for rollcarts. | Cart tippers are used on the MSW trucks. | |
| 3. a. Please list the various size containers available to your residents for MSW collection and the monthly rate for each size. (i.e., 30, 60, & 90-gallons and fee for each.) | 30-gallon: \$11.75/mo + tax 60-gallon: \$14.50 + tax 90-gallon: \$17.25 + tax | Micro-can (12-gal): \$10.05/mo Mini-can (20-gal): \$12.35 One can (32-gal): \$16.10 Two 32-gal cans or one 64-gal cart: \$32.20 Three 32-gal cans or one 96-gal cart: \$48.30 Additional (per can): \$16.10 | <u>Cans provided by customer:</u> Minican (20-gal): \$16.35/month One 32-gal: \$18.75 Two 32-gal: \$24.55 Three 32-gal: \$30.15 Four 32-gal: \$35.75 <u>Rollcarts provided by hauler:</u> One 32-gal: \$20.10 Two 32-gal: \$27.00 Three 32-gal: \$33.90 Four 32-gal: \$40.80 <u>Rollcarts provided by hauler:</u> One 60-gal: \$24.90 Two 60-gal: \$36.10 Three 60-gal: \$47.50 Four 60-gal: \$58.90 | 22-gallon: \$24.25 64-gallon: \$26.25 Solid Waste Base Fee of \$22.25 per month is charged per dwelling unit for collection of MSW, large items, yard trimmings and recyclables. Disposal fees are \$4.00/month per large cart; \$2.00/month per small cart. | 20-gallon: \$10.00 35-gallon: \$13.00 64-gallon: \$16.00 96-gallon: \$20.00 Rate includes weekly MSW, recycling, and yard waste collection, as well as scheduled collection of furniture and appliances. |

| | Austin, TX⁴ | Seattle, WA⁵ | Portland, OR⁶ | Minneapolis, MN⁷ | Gainesville, FL⁸ |
|--|---|--|---|--|---|
| | | | <u>Rollcarts provided by hauler:</u> One 90-gal: \$28.30 Two 90-gal: \$42.70 Three 90-gal: \$57.80 Four 90-gal: \$72.90 | | |
| 3.b. Does the monthly rate include recycling collection? (If not, what is the fee for the collection of recyclable material?) | Yes, recycling is included. | Yes, recycling is included. | Yes, recycling is included. | A recycling credit of \$7.00 per dwelling unit is available to residents who register for the recycling credit. <u>SW Fees with Recycling</u> 22-gallon: \$17.25 94-gallon: \$19.25 | Yes, recycling is included. |
| 4. Please provide a rough estimate of the breakdown, by percentage, of the customers using the various size containers. (i.e., 30-gallon, 10%; 60-gallon, 80%; and 90-gallon 10%.) | 30-gallon: 12.6% 60-gallon: 76% 90-gallon: 8.5% Customers with more than 2 carts: 2-6% | 12 and 20-gallon: 35% One can (32-gal): 55% Two cans (64-gal) or more: less than 10% | Minican (20-gal): 15% 32-gal/35-gal cart: 62% 60-gal cart: 8% 90-gal cart: 6% Once per month: 6% Multiple cans/carts: 3% | 22-gallon: 2% 94-gallon: 98% | 20-gallon: 6% 35-gallon: 30% 64-gallon: 52% 96-gallon: 12% |

| | Austin, TX⁴ | Seattle, WA⁵ | Portland, OR⁶ | Minneapolis, MN⁷ | Gainesville, FL⁸ |
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| 5. Are your residents allowed to set-out more than one container of MSW? If so, what is the charge for additional containers? | <p>Extra Cart Subscription: 30-gallon: \$4.75/mo + tax 60-gallon: \$7.50 + tax 90-gallon: \$10.25 + tax</p> <p>Extra Bags: \$2/bag w/ extra garbage sticker⁹ \$4/bag w/o sticker¹⁰</p> <p>For \$15 (plus tax), you can exchange your garbage cart or add an additional cart. This fee is waived if you are switching to a smaller cart.</p> | <p>Each additional container is \$16.10/month</p> <p>Residents are also allowed to place extra garbage that doesn't fit into their can or cart next to their regular garbage. The charge is \$5.50 per extra bag, bundle or their own garbage can.</p> | <p>See question 3.a. above. Also, an "extra" container set out is charged \$4.50 per pickup.</p> | <p>Residents may place extra plastic bags or boxes of garbage next to their garbage cart. Each bag or box must weigh less than 40 pounds. No additional fee is charged for occasional extra bags.</p> <p>Customers that continually have extra garbage that doesn't fit in the cart will be provided another cart, and charged \$4.00 per month disposal fee on the utility bill.</p> | <p>Bags can be purchased for overflow materials for \$2.00/bag.</p> |
| 6. Is the collection fee for MSW based on a per household fee, living unit fee, | <p>Residential collection fees are based on container size.</p> <p>Multi-family collection</p> | <p>Residential collection fees are based on container size. There is no standardized service level.</p> | <p>The collection fee is based on container size.</p> | <p>Per the City Ordinance: For City-serviced dwelling units of 4 units or less, there shall be one base unit charge per</p> | <p>For residential fees, there is a fixed portion (collection, bulk collection,</p> |

⁹ Any garbage that does not fit easily into the cart when the lid is closed must be paid for separately. Extra garbage must be bagged and each bag must have a sticker. Extra garbage stickers can be purchased for \$2 (plus tax) from certain area grocery, hardware, and convenience stores.

¹⁰ Solid Waste Services will add \$4 per bag (plus tax) to residents' utility bill for extra garbage collected without stickers.

| | Austin, TX⁴ | Seattle, WA⁵ | Portland, OR⁶ | Minneapolis, MN⁷ | Gainesville, FL⁸ |
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| container size, or other measure? | service is provided by private contractors. Fees vary. | <p>A new home owner gets the bin size left by the previous owner and may call to exchange.</p> <p>Multi-family collection fees are billed per the size of the container and the frequency of collection, plus a very small per unit fee (~ \$.60).</p> | | <p>dwelling unit per month. Owners of buildings with more than 4 dwelling units and townhouses may use private solid waste collection instead of City collection. Private haulers may charge customers by the container size.</p> <p>Solid Waste Base Fee of \$22.25 per month is charged per dwelling unit for collection of MSW, large items, yard trimmings and recyclables. Disposal fees are \$4.00/month per large cart; \$2.00/month per small cart.</p> | <p>recycling, yard trash and admin.) and a variable portion (disposal).</p> <p>The City does not oversee commercial (multi-family) collection.</p> |

| | Austin, TX⁴ | Seattle, WA⁵ | Portland, OR⁶ | Minneapolis, MN⁷ | Gainesville, FL⁸ |
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| 7. What type of recycling service is currently offered to your residents? | 2-stream: fibers and containers. Weekly collection. | Modified single-stream: Everything except glass is collected commingled in either a 60 or 90-gallon cart. Glass is collected in a 12-gallon bin. (Within 2 years, the City will most likely be all single-stream.) Every other week collection. | Modified two-stream: Most paper products are placed loose in one bin. In a paper bag: milk cartons, drink boxes, scrap paper and junk mail. In a 2 nd bin, plastic, aluminum and tin are placed loose. In a paper bag: colored and clear glass jars and bottles. 14-gal. bins, weekly collection. | Source-separated, every other week collection. | 2-stream: fibers and containers. Two 18-gallon bins. Weekly collection. |
| 8. Is the collection of recyclables manual, semi-automated, or fully-automated? | Manual. | Semi-automated. | Manual. | Manual. | Manual. |
| 9. Please list the types of recyclable materials that are collected in your curbside recycling program. | Paper: ONP, junk mail, home office paper & magazines. Cardboard: OCC Plastic: #1 & #2 Bottles Metal: Tin & Aluminum Glass: Yes, commingled | Paper: ONP, magazines, mail, envelopes, food boxes, coated containers (milk cartons), aseptic packaging & phone books. Cardboard: OCC | Paper: ONP, magazines, catalogs, telephone books, & brown kraft bags placed loose in bin. In a paper bag: milk cartons, drink boxes, scrap paper and junk mail. Cardboard: OCC | Paper: Newspaper, boxboard, phone books, magazines, catalogs, office paper & mail. Cardboard: OCC Plastic: Plastic bottles with a neck. | Paper: ONP, magazines, telephone books, catalogs & brown paper bags. Cardboard: OCC Plastic: Plastic |

| | Austin, TX ⁴ | Seattle, WA ⁵ | Portland, OR ⁶ | Minneapolis, MN ⁷ | Gainesville, FL ⁸ |
|---|--|--|---|---|--|
| | w/other containers. Other: | Plastic: Bottles, jugs, jars, bundled shopping, grocery, dry cleaner & newspaper bags. Metal: Tin & aluminum cans, & ferrous metal. Glass: All colors of bottles and jars. Other: | Plastic: Milk jugs and plastic bottles. Metal: Aluminum & tin cans, foil, aerosol cans, and scrap metal. Glass: Colored and clear glass jars and bottles. Other: Used motor oil in clear, one-gallon plastic containers. | Metal: Food and beverage cans and aluminum foil. Glass: Clear, green, blue or brown food and beverage bottles and jars only. Separated by color. Other: Household batteries. (No car batteries.) | containers #1, 2 & 3. Metal: Aluminum, steel, and empty aerosol cans. Glass: Clear, green, and brown glass bottles and jars. Other: White goods. |
| 10. Are recyclables and/or yard waste collected on the same day as MSW? | MSW, recycling and yard waste are all collected on the same day. | Recyclables are collected the same day as MSW, <u>every other week</u> . Yard waste is collected the same day as MSW, <u>every other week</u> , from March – Nov, and <u>once a month</u> in Dec, Jan & Feb. | Recyclables are collected the same day as MSW, <u>every week</u> . Yard waste is collected the same day as MSW, <u>every other week</u> on a schedule provided by the hauler. | Recyclables are collected the same day as MSW, <u>every other week</u> . Yard waste is collected the same day as MSW, <u>every week</u> , from April through November. | MSW, recycling and yard waste are all collected on the same day. |

| | Austin, TX⁴ | Seattle, WA⁵ | Portland, OR⁶ | Minneapolis, MN⁷ | Gainesville, FL⁸ |
|--|---|--|--|---|---|
| 11. a. Does your County or State have any recycling mandates? If so, please describe and note if there are any penalties associated with not achieving the mandates? | The State of Texas has a recycling goal of 40%. | The only mandate is that yard waste cannot be landfilled. | In 1991 the State set a 50% material recovery goal for the year 2000. In 2001 the deadline for meeting the goal was extended to the year 2009, with an interim goal of 45% recovery by 2005. If the goals are not met, the DEQ can direct that programs are implemented by a local government. | The State of Minnesota's Waste Management Act includes county recycling goals. By December 31, 1996, metropolitan counties had a goal to recycle 50% by weight of total solid waste generated. There are no penalties. | In 1988 the State set a goal of 30% waste reduction by 1994 for counties with a population greater than 75,000. In 2002, the Legislature increased the population threshold for the goal to 100,000. Also, counties must recover a "significant portion" of at least 4 of 8 targeted materials. |
| 11. b. Does your City have a recycling ordinance or policies that require residents to recycle? If so, please describe. | No recycling ordinance for residential collection. Commercial and multi-family buildings must provide on-site recycling | No penalties, but if yard waste is placed in MSW container, it will not be collected. The mayor is interested in banning paper from | The City of Portland's Solid Waste and Recycling Division is committed to minimizing the amount of materials disposed of in landfills. In April 2001, the | Residents are not required to recycle. | The City has a 50% goal as part of its comprehensive plan. Residents are not required to recycle. However, |

| | Austin, TX⁴ | Seattle, WA⁵ | Portland, OR⁶ | Minneapolis, MN⁷ | Gainesville, FL⁸ |
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| | service per the City Ordinance. ¹¹ | commercial business MSW and recyclables from residential MSW, but nothing has been done to date. | Division announced that it had met its latest goal: to recover 54% of residential and commercial waste in 2000. The City is seeking to recover 60% by 2005. | | the monthly fee for recycling is mandatory. It is included with garbage, yard trash & bulk collection fees on the monthly utility bill. Gainesville does have a Mandatory Recycling Ordinance for commercial customers. Businesses must recycle OCC and “white” office paper. (Offices, institutions, retail stores, hotels & motels, restaurants |

¹¹ The following must provide recycling service: 1) a business with 100 or more employees; 2) a building housing businesses with an aggregate of at least 100 employees if the building owner or manager provides a single garbage collection service; and 3) a multi-family complex with 100 or more units. Said businesses must provide recycling of at least 2 recyclable materials outlined in another ordinance, and multi-family complexes must provide recycling for at least 4 items. Recycling service must be provided at least twice per month. Recycling information and instructions must be provided to employees and tenants. A recycling plan must be filed with the Department of Solid Waste Services (Department) and a quarterly volume report must be submitted to the Department.

| | Austin, TX⁴ | Seattle, WA⁵ | Portland, OR⁶ | Minneapolis, MN⁷ | Gainesville, FL⁸ |
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| | | | | | & bars.) Multi-family properties are required to recycle newspapers and metal cans. |
| 12. What is your city's recycling rate or diversion rate? | 28% including yard waste. | 40% includes commercial, residential, & self-haul. (Residential rate alone is approx. 50%) | 57% | For 2001: 28.9% Includes recyclables (paper, plastic glass, etc.), problem materials (motor oil, tires, TVs and computers, and household batteries), appliances and scrap metals, and yard waste. | Approx. 30% for residential and 17% for commercial. |
| 13. a. Are either the MSW and/or recyclables collected in alleys? If so, what percentage of the customers have alley collection? | Approximately 1% | Yes, but not sure what percentage. | No. | Yes, approximately 80% of customers have alley collection of both MSW and recycling. | No. Backdoor service is available at no additional cost to persons with a disability. Other households can subscribe for this service at an additional cost. |
| 13. b. Has the City recently switched from alley collection | No. | No. | No. | No. | No. (The City switched from back door service to |

| | Austin, TX⁴ | Seattle, WA⁵ | Portland, OR⁶ | Minneapolis, MN⁷ | Gainesville, FL⁸ |
|--|---|---|---|---|---|
| to street collection? If so, please provide reaction from residents and any problems the City encountered as a result of this change. | | | | | curbside service approximately 20 years ago.) |
| 14. Does the City operate an enterprise fund where fees recover 100% of the costs, or are general funds or taxes used to support the solid waste collection? | Enterprise fund, 100% of costs are recovered. | Enterprise fund, 100% of costs are recovered. | Enterprise fund, 100% of costs are recovered. | Enterprise fund, 100% of costs are recovered. | Enterprise fund, 100% of costs are recovered. An annual solid waste assessment is added to property tax bills for all generators to cover other specific programs (HHW management, tire recycling, rural centers, public education, etc.). |

ORDINANCES

To assist London Grove Township implement their PAYT program, R. W. Beck researched other Pennsylvania communities with variable rates for solid waste services to obtain ordinance language. Based on our research, over fifty Pennsylvania communities have PAYT programs. However, the majority do not have specific ordinances to require that residents or waste haulers comply with a variable rate solid waste management system. The following is language R. W. Beck obtained from Pennsylvania communities that do have specific ordinance language:

EAST BRADFORD BOROUGH

§ 91-7. Residential Collection Fees.

There is hereby imposed upon each dwelling unit/residence which qualifies to have such collection made by or on behalf of the township a fee for the collection of municipal waste, recyclables and leaves:

- A. The amount of the fee shall be set by resolution of the Board of Supervisors.
- B. Collection fees shall be billed by the designated hauler directly to owners of dwelling units/residences, and payments shall be made directly to the designated hauler. [Amended 12-27-1991 by Ord. No. 130-1991]
- C. Payment of collection fees shall be the responsibility of the owner of the property, and bills for such fees will be mailed to the owner's address on file with the township, unless and until a different address is specified by the owner of such property, in writing, to the township. Failure of the owner to receive a bill as a result of an incorrect address or otherwise shall not excuse payment of collection fees or extend the time for payment thereof. It shall be incumbent upon all owners of property for which such collection services are provided to notify the township of the correct billing address or any changes thereto. [Amended 12-27-1991 by Ord. No. 130-1991]
- D. The Board of Supervisors may establish by resolution a program for establishing the criteria for identification of owners of vacant properties and owners of property with low income and for approving applications from said owners to relieve them from the responsibility to pay the trash collection fees referred to herein. The resolution may also establish reasonable rules and regulations for the administration of the program and may provide that money from the general fund and/or user fees may be budgeted and dispersed to fund the program. [Added 10-13-1992 by Ord. No. 139-1992]

BOROUGH OF EPHRATA

§ 271-16. Removal By Licensed Hauler; Adoption of Schedule and Fees.

All garbage, rubbish, dead animals and ashes, as herein defined, shall be gathered and removed by the licensed hauler under the rules and regulations as provided herein, and the costs and expenses of the collection and removal of the garbage, rubbish, dead animals and ashes shall be paid by those from whose premises said garbage, rubbish, dead animals and ashes are removed or by the person responsible for the existence of such garbage, rubbish, dead animals or ashes as provided by the schedule of fees established by the licensed hauler.

ARTICLE III, Solid Waste Collection Charges [Adopted 2-6-1976 as Ord. No. 1027]

§ 271-28. CHARGES ESTABLISHED.

The charges for collection and removal of solid waste in the Borough of Ephrata shall be as follows:

- A. "Basic service" shall mean the amount of refuse of up to three thirty-two-gallon bags or containers to be collected per collection from each customer or the equivalent thereof which has been set out at the curb or alley line as directed. [Amended 12-7-1976 by Ord. No. 1035; 12-10-1979 by Ord. No. 1063; 12-28-1981 by Ord. No. 1091; 12-13-1982 by Ord. No. 1101; 11-11-1985 by Ord. No. 1140; 12-8-1986 by Ord. No. 1156]

- B. Special estimates shall be developed by the Borough Manager for those customers having exceptionally large bulk and/or excessive handling which cannot be readily reduced to the volume or rate basis. Such charge shall be subject to appeal to the Borough Council. § 271-29. Monthly charge for basic service. [Amended 12-7-1976 by Ord. No. 1035; 12-10-1979 by Ord. No. 1063; 12-28-1981 by Ord. No. 1091; 12-13-1982 by Ord. No. 1101; 11-11-1985 by Ord. No. 1140; 12-8-1986 by Ord. No. 1156; 11-23-1987 by Ord. No. 1165; 11-28-1988 by Ord. No. 1174; 12-11-1989 by Ord. No. 1185; 11-12-1990 by Ord. No. 1196; 12-10-1990 by Ord. No. 1201]
- A. Basic service for collection and removal of solid waste shall be provided at the rate established from time to time by resolution of the Borough Council. [Amended 4-8-1996 by Ord. No. 1279]
- B. All bills remaining unpaid after the due date printed on the bill rendered, which shall be not less than 10 days after mailing of the same, will be assessed a five-percent penalty plus a one-percent interest on the unpaid balance for each additional 30 days.

§ 271-40. Collection Service Fees.

- A. Fees for the collection and disposing of designated recyclable materials provided by the municipality shall be charged to all residential units within the municipality. All occupiers of residential units within the municipality shall be liable for said service charge, but no one occupier of real estate shall pay more than one service charge per residential unit.
- B. All occupiers of residential units in the borough by virtue of this service charge hereby shall be entitled to receive collection of designated recyclable materials subject to regulations and resolutions of the borough for collection of refuse containers. The municipal service fees shall apply regardless of whether the occupiers of residential units utilize the designated recyclable services provided by the borough. The amount of fees and the schedule for payment of fees shall be as established from time to time by resolution of the Borough Council.

§ 271-41. Billing.

From and after October 1, 1990, the municipal services fee levied shall be collected in the same manner as other municipal bills.

BOROUGH OF SHIPPENSBURG

§ 99-1. Definitions.

For the purpose of this article, the following words shall have the meanings as herein defined:

ADDITIONAL SERVICE -- The number of bushels of rubbish or the equivalent thereof collected on an average per collection over and above the basic quantity.

BASIC SERVICE -- The amount of refuse of up to four bushels to be collected per collection from each customer or the equivalent thereof, which has been set out as directed. (Single dwellings are always considered "basic service.")

§ 99-6. Rates For Collection. (Last amended 12-13-1994 by Ord. No. 642, approved 12-13-1994)

Rates for collection of garbage and refuse shall not exceed those schedules which shall be adopted from time to time by resolution of the Council of the Borough of Shippensburg, provided that rates shall not be changed more than one time in any calendar year, unless said rates shall be approved by passage of an ordinance fixing the rates.

BOROUGH OF STEELTON

EXTRA BAG TAGS/STICKERS are adhesive or wire tie type markers that are to be placed on any bag of MW [municipal waste] over the weekly contract total of three (3) bags or bag limited specified by which alternative bid is awarded

DIVERSION ESTIMATES

Finally, to assist London Grove Township monitor the effectiveness of their PAYT program, the following estimates the quantity of material that could be diverted from the waste stream based upon the following variables:

- Demographics;
- Waste stream composition; and
- Participation rates.

DEMOGRAPHICS OF LONDON GROVE TOWNSHIP

London Grove Township is a suburban community in Chester County. The U.S. Census population of London Grove Township was 3,922 in 2000. An estimated 1,052 single-family homes, 70 multi-family buildings¹², and 188 mobile home/trailer units are located in the township. According to the 2000 census, approximately 26.8 percent of the population is under 18 years old and 10.1 percent of the population is over 65.

MATERIALS ESTIMATES

Table 2 provides an estimate for residential municipal waste generation in London Grove Township. It is based on the data from the 2002 Chester County solid waste management plan update. As noted in the Table, London Grove disposed 2,902 tons of municipal solid waste in 2000, which includes commercial waste and non-recovered recyclables. This works out to an average disposal rate of 0.74 tons per person per year.

Table 2
 Disposal Quantities

| Population | Average Disposal Rate (Tons per Capita) | Disposal Quantity (Tons Per Year) |
|------------|--|--------------------------------------|
| 3,922 | 0.74 | 2,902 |

Table 3 presents the tonnage of Act 101 recyclable materials generated in the Township that are currently landfilled.

Table 3
 Estimated Recyclable Materials Available in London Grove Township

| Material | Percent of MSW ¹³ | Tons of MSW ¹⁴ |
|---------------------------|------------------------------|---------------------------|
| Corrugated Paper | 8.07 | 234 |
| Newsprint | 5.20 | 151 |
| Glass(Clear and Colored) | 3.07 | 89 |
| Yard Waste | 5.55 | 161 |
| Office Paper | 4.47 | 130 |
| Appliances | 1.44 | 42 |
| Wood | 5.19 | 151 |
| Plastic (PET, HDPE only) | 1.81 | 53 |
| Steel and Bimetallic Cans | 1.19 | 35 |
| Tires | 0 | 0 |
| Aluminum Cans | 0.71 | 21 |
| TOTALS | 36.7 | 1,065 |

¹² 2 or more units

¹³ Based on 2001 Chester County Waste Composition Study

¹⁴ Based on a total MSW disposal quantity of 2,902 tons

Table 4 provides estimates for diversion of the materials from the landfill that are most likely to be included in a curbside recycling program at low, medium and high diversion levels.

Table 4
Potential Capture Rates for Recyclable Materials Available in London Grove Township

| Material | Tonnage Available | Estimated Tonnage | | |
|---------------------------|-------------------|-------------------|------------|-----------|
| | | Low (1) | Medium (2) | High (3) |
| Newsprint | 151 | 30 | 60 | 121 |
| Glass (Clear and Colored) | 89 | 18 | 36 | 71 |
| Plastic (PET, HDPE only) | 53 | 11 | 21 | 42 |
| Steel and Bimetallic Cans | 35 | 7 | 14 | 28 |
| Corrugated Cardboard | 234 | 47 | 94 | 187 |
| Aluminum Cans | <u>21</u> | <u>4</u> | <u>8</u> | <u>17</u> |
| TOTALS | 583 | 117 | 233 | 466 |

(1) 20 percent capture rate

(2) 40 percent capture rate

(3) 80 percent capture rate

Rhona, I hope you find this information helpful in contracting for a PAYT program in London-Grove Township. If you have any questions, please do not hesitate to call me at (513) 936-8955.

Sincerely,

R. W. BECK, INC.

Karen Luken
Senior Director
Cincinnati, Ohio

KL/ea