

SOLID WASTE IMPLEMENTATION PLAN (SWIP)

For The Londonderry Group Solid Waste District

Towns:

Town of Landgrove
P. O. Box 508
Londonderry, VT 05148

Town of Londonderry
P.O. Box 118
South Londonderry, VT 05148

Town of Peru
P.O. Box 127
Peru, VT 05052

Town of Weston
P.O. Box 98
Weston, VT 05161

Town of Windham
5976 Windham Hill Road
Windham, VT 05359

Dated: _____

Adopted: _____

Approved: _____

For DEC use only

This plan has been developed in order to manage solid waste generated and disposed of the in member municipalities of The Londonderry Group Solid Waste District and is in conformance with the Vermont Solid Waste Management Plan (2001).

The Londonderry Group

Poised on the spine of the Green Mountains, are the Towns of Landgrove, Londonderry, Peru, Weston, and Windham. The five communities, hereinafter referred to as the Londonderry Group, located in Bennington, Windham, and Windsor Counties, are members of a solid waste district. Their unique location, in fact, together with a conveniently located transfer station, on Route 100 in Londonderry, has given rise to a cooperative arrangement over the past 55 years (1947). The Londonderry Group has worked diligently to develop policies and programs to maximize waste reduction, recycling, and household hazardous waste diversion.

The Group's overall waste generation is largely influenced by the volume and characteristics of commercial activity. By and large, commercial activity in the five towns is service oriented and is smaller in scale with the exception of the Bromley Mountain (Peru) and Magic Mountain (Londonderry) ski areas. Manufacturing activity, with the exception of a sawmill, is also smaller in scale.

Management Policies

For the strategies recommended in a plan to be successful, their implementation, and any subsequent modifications, must always be measured against a set of ground rules. Following are 8 policies adopted by the Londonderry Group to guide the formation of this Plan and implementation of the recommendations contained herein.

1. Reduce the Region's tonnage of solid waste that is landfilled or incinerated, to the maximum extent feasible, with a target reduction of between 40 percent and 50 percent by the year 2012.
2. Reduce the unnecessary use of toxic and hazardous materials. Provide on-going household and CEG hazardous waste collection programs to prevent their presence in the Group's solid waste and wastewater.
3. Develop and financially support recycling, composting, waste reduction, and beneficial reuse programs that are flexible and reliable amidst changing economic and regulatory environments.
4. Provide environmentally sound and cost effective disposal for all solid waste that cannot be recycled, composted or otherwise reused.

5. Institute waste disposal fees that accurately and fairly charge disposal costs to the waste generators.
6. Include recycling programs in all solid waste management programs, and work with the District Environmental Commission to address waste management in Act 250 land use permit applications as appropriate.
7. Promote cooperation among participating communities to implement source reduction, recycling and composting on a multi-community basis.
8. Incorporate elements of Federal, State and local programs that will reduce the volume and toxicity of municipal solid waste generated within, and managed by, the Londonderry Group.

The Londonderry Group has an agreement on the transfer station among the five towns that began in 1947. All Londonderry Group towns signed the last Solid Waste Implementation Plan through a public process.

Rachel Zegerius is the Chief Operating Officer. Keith Barton is the Supervisor at the Transfer Station. Matt Wilder runs the compactor. Keith Barton handles all recycling and along with Matt Wilder deals with the brush pile, sanding and piling. Both conduct the day-to-day operations at the Transfer Station.

The Group is funded through percentage payments from member towns on an annual basis. Operating staff also applies for and receives grants from various groups to help with education and equipment.

The Town of Londonderry projects the annual cost for payments to the Group. All other group towns are billed based on actual cost to the Group. This process has been in place since 1947 and uses the population and grand list of each member town.

Percentage Payments for Municipal Solid Waste (MSW) are:

Londonderry forty-one (41) percent; Landgrove ten (10) percent; Peru sixteen (16) percent; Weston twenty-one (21) percent and Windham twelve (12) percent.

Percentage Payments for Household Hazardous Waste (HHW) are:

Londonderry thirty-seven (37) percent; Landgrove eleven (11) percent; Peru seventeen (17) percent; Weston twenty-two (22) percent and Windham thirteen (13) percent.

Londonderry Group Cash Receipts and Disbursements for 2006

Total Receipts	\$355,467.92
Total Disbursements	\$384,616.92

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In order to be consistent with the Revised Vermont Solid Waste Management Plan, this plan describes how The Londonderry Group Solid Waste District (Landgrove, Londonderry, Peru, Weston, and Windham) will achieve the following priorities (in descending order) of Title 10 V.S.A. Section 6604(a)(1):

The greatest feasible reduction in the amount of waste generated;

Maximize reuse and recycling of waste to in order to reduce to the greatest extent feasible the volume remaining for processing and disposal;

Waste processing to reduce the volume or toxicity of the waste stream necessary for disposal; and,

Land disposal of the residuals.

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SECTION 1: SOLID WASTE IMPLEMENTATION REPORT FOR THE LONDONDERRY GROUP

- 1A. Calculation of the total annual disposal tonnages for municipal solid waste generated in our district, including landfilled and incinerated MSW only. These numbers do not include waste that was recycled or otherwise diverted from disposal.

TABLE 1: TOTAL ANNUAL MSW DISPOSAL ESTIMATE FOR CALENDAR YEAR 2006	
FACILITIES/SERVICES USED	ESTIMATED ANNUAL TONNAGE
Curbside Pickup – residential	31.76
Curbside Pickup – commercial ¹	338.27
In-District or In-Town transfer stations/drop-offs/landfills ²	869.13
Out-of-Town or Out-of-District facilities accepting waste from member towns:	
Casella Waste Management Sunderland, VT 802-362-4082	Included in tonnages listed above
Waste Management North Swanzey, NH 800-399-7969	WM does not provide services in our area
TOTAL ANNUAL MSW DISPOSAL ESTIMATE	1,239.16 Tons

Available Group information gathered to assist with reducing waste stream/recycling and for future comparison of institutional and business progress with reducing waste stream/recycling.

Flood Brook Union School is in the process of changing to Casella for garbage removal and single-stream recycling services. Flood Brook currently uses an eight-yard container and pays \$270.00 per month for solid waste removal. At this point, the only recyclable material separated from the waste stream is cardboard. Cardboard is placed in an eight-yard container and pulled every one or two weeks for \$12.00 per haul.

Bromley Mountain, in an average winter season, has Casella pull a 40-yard compactor once a week. The compactor averages 7.5 tons and costs \$75.00 per ton for dumping with an additional \$145.00 fee for hauling. From July through

¹ Commercial haulers who are taking solid waste to New Hampshire are difficult to track.

² The Group has sixty (60) small haulers who use the Transfer Station.

September, trash is half of this volume. Second homeowners at Bromley are using the compactor year round.

North American Grill has Baker Commodities take grease for \$125.00 per haul and averages three times per year. Friolator grease is being used in a local resident's bio-diesel furnace. Casella hauls garbage and cardboard for \$300.00 per month.

Green Mountain Pharmacy has a 6 cubic yard dumpster for everything and Casella is hauling for \$120.00 per month.

Center's Service Center generates about 4 tons per week. Casella is charging them \$100.00 per month for hauling. Battery Car Quest is a wash. They charge \$3.00 to take car batteries into the shop and are charged \$3.00 to recycle. They burn their used oil for heat. Cardboard is taken to the Transfer Station.

Magic Mountain has an 8 cubic yard dumpster. Casella hauls this dumpster once per week and charges \$200.00 per haul.

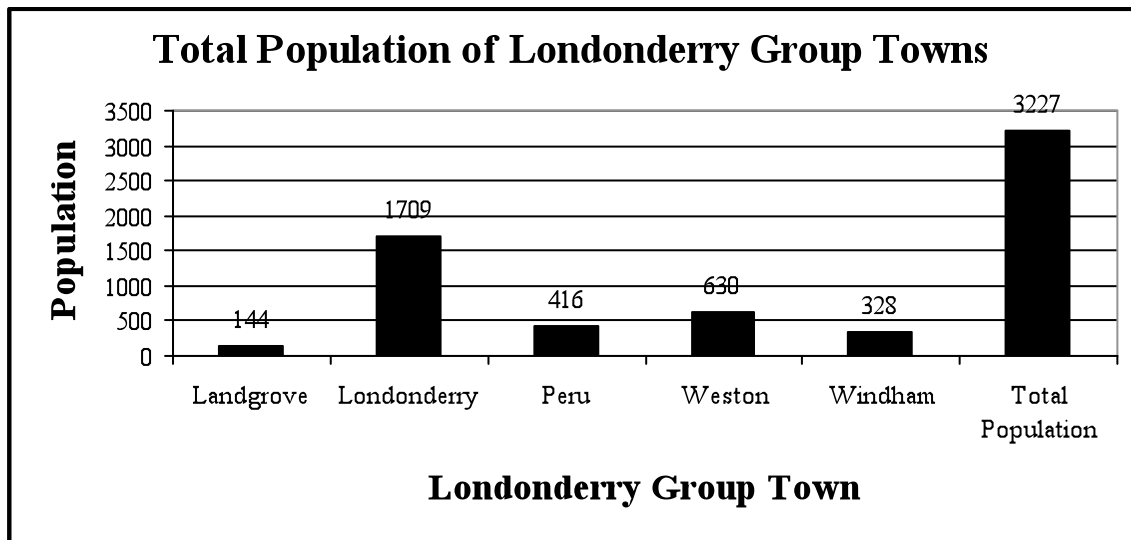
Stoddard's has a 6 cubic yard dumpster hauled every two weeks for \$100.00. Stoddard's separates out the redeemable bottles and cans.

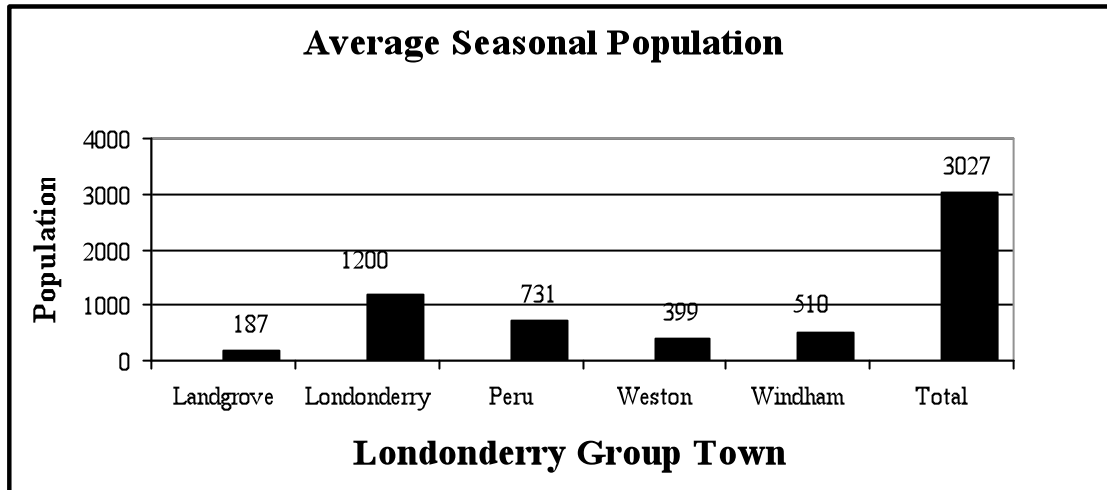
Clarks IGA owns a 40-yard compactor for cardboard. They fill it about every three weeks. They have a 6 cubic yard dumpster for trash and are charged between \$640.00 and \$900.00 per haul.

Londonderry Hardware has a 6 cubic yard dumpster Casella hauls every two weeks at \$137.00 per month. BFI hauls cardboard every two weeks in a 6 cubic yard dumpster.

1B. Calculation of the per capita disposal rate for municipal solid waste generated in the district for calendar year 2006 (landfilled or incinerated):

TABLE 2: PER CAPITA MSW DISPOSAL ESTIMATE		
1.	Total annual disposal estimate in tons (from Table 1)	1,239.16 tons/year
2.	Total annual disposal estimate in pounds (multiply line 1 by 2000)	2,478,320.0 pounds/year
3.	Year round population in 2000	3,227
4.	Seasonal population in 2000 (1290 seasonal homes x 2.345) x 30 percent)	908
5.	Total adjusted population year round population + seasonal population	4,135
6.	Estimated Annual per Capita MSW Disposal (divide line 2 by line 5)	599.35 lbs./person/year
7.	Estimated Daily Per Capita MSW Disposal (divide line 6 by 365)	1.64 lbs./person/day





1C. The following is a list of the generators of sludge and septage located in the district for calendar year 2006.

TABLE 3: INVENTORY OF SLUDGE AND SEPTAGE GENERATORS IN TOWN/DISTRICT			
Generators	Total Annual Amount Generated	Location of Generators	Final Management Option(s)
BIOSOLIDS			
Bromley Mountain WWTF	19,500 gallons	Peru & Londonderry	Glenn Falls, NY Incineration
Flood Brook School*	Included in Bromley volume	Londonderry	Glenn Falls, NY Incineration
Magic Mountain	Unknown ³	Londonderry	-
SEPTAGE			
Larry Brown Septic and Merrill's	317,750 Gallons	Five Group Towns and some from the Town of Jamaica	Land applied on hay field which is used for road application
Larry Brown Septic and Merrill's	110,450 (approximation) ⁴	Five Group Towns	Bellows Falls WWTF

*Biosolids generated at Flood Brook School are transferred to the Bromley Mtn. facility and subsequently sent for treatment.

³ Magic Mountain has a lagoon system, which is cleaned out every 10-15 years.

⁴ The volume of non land-applied septage is difficult to estimate due to the amount generated as a result of the seasonal population, which is significant in all 5 member towns.

1D. The following is a list of the facilities that manage sludge and/or septage in our district.

TABLE 4: SLUDGE AND SEPTAGE MANAGEMENT FACILITIES IN TOWN/DISTRICT	
Facility for Final Management	Location
Town Owned and Operated Land Application Sites:	Behind Londonderry Transfer station; two fields are certified by ANR/DEC and managed by the Recycling Coordinator and Town Health Officer
Composting Facility:	N/A
Landfill:	N/A
Incinerator:	N/A
Other	N/A

1E. Current prices of public or private sector solid waste services available to district residents.

TABLE 6: CURRENT PRICES		
MATERIAL	FACILITY/SERVICE	COST TO USER
Municipal Solid Waste (MSW)	Casella Waste Management Residential curbside pickup	\$36.85 per month for weekly service; \$21.08 for semi-weekly service (Allows disposal of 4 x 30 gallon bags ea week). \$3.00 extra for each bag over.
MSW	Londonderry Transfer Station	\$1.50/bag per 30 gallon bag No limit on number of bags allowed per resident.
MSW for Commercial Customers	Casella Out-of-town or out-of-district facilities accepting town or district waste	\$95 per ton, plus \$145 dump & return fee, plus \$95 delivery fee (per haul).
Recyclables	Londonderry Transfer Station	No charge
Construction/Demolition Debris	Londonderry Transfer Station	\$20.00 per cubic yard
Brush	Londonderry Transfer Station	\$15.00 per cubic yard

TABLE 6: CURRENT PRICES		
MATERIAL	FACILITY/SERVICE	COST TO USER
Tires	Londonderry Transfer Station	\$2.00, \$3.00, \$5.00 and \$60.00 per tire (size-dependent)
Appliances	Londonderry Transfer Station	\$10.00 per item without Freon \$15.00 per item with Freon
Compostables ⁵ Leaf and Yard Waste Only	Londonderry Transfer Station	No Fee

1F. Listed below are the current destinations for all wastes and recyclables collected at district facilities, and current transportation and tipping (disposal) fees paid by the district:

TABLE 7: CURRENT WASTE DESTINATIONS		
MATERIAL	DESTINATION FACILITY	COST/REVENUE
MSW	Casella Landfill(s); Coventry, VT; Plattsburg, NY; Bethel, NH. (Transferred through Sunderland and Northshire TS facilities)	\$91.00 per ton including State Tax cost.
Construction/Demolition Waste	Casella Landfill; Arlington, VT	\$91.00 per ton including State Tax cost.
Tires	Don Stevens Tire Company Inc Southington, CT	\$2.00, \$4.00, \$12.00 and \$60.00 per tire cost.
RECYCLABLES		
Newspapers ⁶	Sent to three local farms	No revenue
Mixed Paper ⁷ (magazines, chipboard, junk mail, office paper, etc.)	Keene Materials Recovery Facility (MRF); Keene, NH	\$55.00 per ton revenue

⁵ The Group has sold eighty (80) compost bins to Group residents.

⁶ Sending newsprint to local farmers is an effective waste reduction step by the Group.

⁷ Price varies from day to day and could change.

TABLE 7: CURRENT WASTE DESTINATIONS		
MATERIAL	DESTINATION FACILITY	COST/REVENUE
Mixed Glass ⁸ (including Pyrex and ceramics)	Keene, NH	\$25.00 per ton cost
Tin	Recycling Services, Inc.; Claremont, NH	Currently no revenue; market dependent
#1 and #2 Plastic ⁹	RSI; Claremont, NH	\$0.04 per pound revenue (PETE) \$0.05 per pound revenue (HDPE)
Aluminum Cans	RSI; Claremont, NH	\$0.60 per pound revenue
Cardboard ¹⁰	RSI; Claremont, NH	\$58.00 per ton revenue
Organic Materials ¹¹	Composting pile for leaf and yard waste ¹²	No fee
Reusable C&D Waste	Used bricks, concrete blocks & cinder blocks	No fee
Hard Cover Books	Rutland Materials Recovery Facility; "Got Books" Program (informal agreement)	No fee
Returnable bottles	Flood Brook Athletic Association (60% revenue) Londonderry land and parks (40% revenue)	\$0.05 per can returned revenue

⁸ Ibid.

⁹ Ibid.

¹⁰ Ibid.

¹¹ This does not include information on household hazardous wastes and conditionally exempt generator wastes.

¹² The Group has sold eighty (80) compost bins to Group residents.

1G. Municipal Solid Waste and Construction/Demolition debris hauling and disposal services for the upcoming 5 years (March 1, 2007 through March 1, 2012):

- MSW: Casella Waste Management –The Town of Londonderry has contracted with Casella to provide waste hauling and disposal services for the Transfer Station servicing all five LG member towns.
- C/D waste: Casella Waste Management – The Town of Londonderry has contracted with Casella to provide waste hauling and disposal services for the Transfer Station servicing all five group member towns.

1H. HHW/CEG Collection Programs

- Collection and disposal programs for household hazardous wastes, conditionally exempt generator wastes, landfill-banned wastes, and special wastes generated in our district is typically provided by Clean Harbors.

HHW/CEG Collection Days

Date of last 2 collection events: 05/20/06 and 10/07/06

Location(s): Flood Brook School

Number of collection days per year: 2

Date of next collection event: 05/19/07 and 10/13/07

Location(s): Flood Brook School

- Other: Paint drop and swap is held in conjunction with HHW/CEG collections. Advertisement for these events includes information regarding paint drop and swap. Only dried paint is accepted on an on-going basis at the Transfer Station. Due to the high costs associated with latex paint disposal using the hazardous waste contractor, the Town will be exploring alternate disposal options in the near future. Some options include: taking reusable paint to Burlington to participate in "Local Color" program and requiring residents to dry paint and dispose in C/D dumpsters individually.

1I. Summary of illegal disposal (dumping and burning) problems:

- Dumping: There is little illegal dumping in any of the group towns. Evidence of this has shown up during Green Up with less roadside garbage and trash. Most illegal dumping occurs in the form of trash left in front of transfer station during hours when the facility is closed.
- Burning: Open burning has not presented itself as an identifiable problem

within group towns, and there have been very few complaints of such activities in recent years. Each member town has a fire warden who issues burn permits, and takes complaints. In order to determine if open burning is a problem, the Recycling Coordinator intends to work with local health officers and conduct a visual inventory of burn barrels and related activities over the upcoming two years. If open burning is determined to exist, the LG will work to either enforce the state ordinance and/or develop a strong educational outreach campaign within member towns.

SECTION 2: WASTE DIVERSION ACTION PLAN

In order to meet the 50 percent statewide waste diversion goal, Vermont Agency of Natural Resources estimates that the average per capita Municipal Solid Waste disposal rate statewide will have to be reduced from 3.4 pounds per person per day to less than 2.7 pounds per person per day. Municipal Solid Waste (MSW) means combined household, commercial, and industrial waste materials generated in a given area.

WASTE DIVERSION ACTION PLAN

The Londonderry Group current per capita disposal rate for our town(s)/district is 1.64 pounds per person per day (See Section 1, Table 2). The goal of this action plan is to reduce the per capita disposal rate for MSW generated in our district. The following action steps will be taken toward achieving the goal of increasing waste diversion and minimizing our per capita MSW disposal rate.

All action steps are the responsibility of the Chief Operating Person/Recycling Coordinator.

2A. **Goal:** Reduce waste generation and reduce toxics use.

Action Steps: Continue to suggest alternatives for toxics;

Continue to remove mercury switches from appliances being brought to transfer station;

A program to distribute canvas bags for carrying groceries has been implemented since the submittal of this plan's original draft.

Work with the NRRR Co-op in order to implement special waste disposal and recycling programs;

Continue to generate ideas for waste reduction such as:

Donate surplus and reusable items to organizations based on need;

Encourage the buying of recycled office supplies in bulk; and,

Reduce office waste, and

Promote a campaign to stop junk mail <http://www.dmacomsumers.org/>.

2B. **Goal:** Increase reuse.

Action Steps: Continue to advertise the paint swap;

Continue to advertise the Thrifty Attic, in the Town of Londonderry. This swap shop is owned by Second Congregational Church and run by a group of volunteers. Transfer station attendants send residents with reusable items to the Thrifty Attic, which operates on Wednesdays and Saturdays from 8:30am to 1:00pm. The swap shop accepts clothing, toys, small appliances, working electronics, and kitchenware;

Promote the Green Hotels in the Green Mountain State:
<http://www.vtgreenhotels.org/>; and,

Promote the Vermont Business Materials Exchange Website:
<http://vbmex.org/index.php>.

2C. **Goal:** Increase the residential (single and multi-family) recycling participation rate, capture rate, collection efficiencies and types of materials recycled.

Action Steps:

Continue to advertise no fee recycling at the Londonderry Transfer Station;

Implement commingled paper/fiber collection program at the transfer station (as a change from the original source separated paper program);

Advertise the newly implemented mixed paper recycling program to area businesses and schools, and assist them with technical support to implement paper collection and recycling programs where necessary;

Implement Processed Glass Aggregate (PGA) collection and diversion programs at the Londonderry Transfer Station, through participation in the NRRRA-sponsored glass recycling program;

Change tire recycling vendors in order to change end-use from incineration to a recycled use;

Divert all ceramics (including toilets, sinks, mugs, etc.) from C&D and bulky waste stream; and,

Advertise newly implemented PGA recycling program to area businesses, residents, and institutions.

- 2D. **Goal:** Increase public outreach and education to LG member town businesses, residents, and institutions regarding waste reduction and diversion.

Action Steps: Join the Northeast Resource Recovery Association as members and participate in their programs when appropriate;

Distribute pamphlets annually to local home owners regarding waste reduction and recycling. Information will be distributed at Town Offices, in town newsletters, and in other local publications;

Distribute pamphlets annually to area business offices regarding waste reduction and recycling. Materials will be distributed either through direct mailings or special delivery;

Applaud companies that have high recycling rates, by presenting recycling awards and making such awards known to the general public;

Write quarterly articles in local newspapers encouraging waste reduction and recycling efforts;

Provide waste reduction and recycling information to the public via public access television (Channel 8) and town websites; and,

Include recycling information and results of program in town report.

- 2E. **Goal:** Increase the seasonal home/resort participation rate.

Action Steps: Distribute waste reduction and recycling information to area realtors;

Distribute waste reduction and recycling program information to area caretakers;

Distribute waste reduction and recycling information to landscaping and property maintenance businesses;

Continue to work with real estate offices and Clarks IGA to distribute information; and,

Include waste reduction program information in the annual town reports.

2F. **Goal:** Increase the commercial recycling participation rate, capture rate, collection efficiencies and materials recycled.

Action Steps: Bring speakers such as Keith Dewey, Northeast Recyclers, into local communities to talk with commercial operations about recycling;

Promote the state's business waste reduction web site at:
<http://www.anr.state.vt.us/dec/wastediv/recycling/buzcommwaste.htm>;
and,

Do a target mailing to businesses once a year encouraging waste reduction technique implementation and recycling.

2G. **Goal:** Increase the institutional recycling participation rate, capture rate, collection efficiencies and materials recycled.

Note: Institutions located within the 5 member towns include: The Town Offices of Londonderry, Landgrove, Peru, Weston, and Windham, Flood Brook Union School, The Little School (Weston), Windham Elementary School, Londonderry Montessori School, and Mountain Valley Medical Center. Currently, the only institutions participating in recycling programs are Flood Brook and the Londonderry Town Office. Flood Brook is recycling cardboard, and Londonderry recycles all paper products.

Action Steps: Work to implement recycling programs in town offices and other institutions that currently don't have such programs;

Work to implement glass and plastic container recycling at the Londonderry Town Office;

Encourage other town offices within LG group towns to implement recycling programs for mixed fiber and source-separated containers;

Work with all LG schools to implement mixed paper recycling programs;
and,

Work with to LG town institutions to decrease the use of toxic cleaners used in schools and offices.

2H. **Goal:** Prevent the incineration or disposal of marketable recyclables.

Action Steps: Continue to work with fire wardens and efforts to prevent illegal open burning;

Purchase a second baler for recyclables in an effort to improve infrastructure and allow for a greater volume of materials to be processed at the facility;

Continue to urge people to recycle at the transfer station; and,

Work to encourage ANR's "Don't Burn VT" campaign:
<http://www.anr.state.vt.us/dec/wastediv/dontburnvt/towns.html>.

2I. **Goal:** Increase Construction/Demolition debris reduction, reuse and recycling.

Action Steps: Implement NRRRA Processed Glass Aggregate (PGA) recycling program, which includes recycling options for ceramics;

Submit columns to local newspaper publications, offering alternatives to throwing away reusable construction products;

Urge contractors to visit the ANR DEC's construction waste reduction web pages at: <http://www.anr.state.vt.us/dec/wastediv/recycling/candd.htm>;

Urge contractors to donate building materials and fixtures by advertising Renew Building Materials & Salvage, Inc. (Wellington Road 22 Browne Court, Unit 185 Brattleboro, VT 05301-4428) Store Hours: Friday & Saturday 9-5:30;

Educate area contractors and road crew staff regarding the benefits of using PGA in road and culvert construction;

Advertise waste reduction techniques available on DEC's C&D debris website on: <http://www.anr.state.vt.us/wastediv/recycling/CandD.htm>; and,

Promote Vermont Business Materials Exchange website: www.vbmex.net.

2J. **Goal:** Increase organic waste recycling (leaf/yard, food waste, brush, stumps, and appropriate papers).

Action Steps: Continue to talk to local farmers about accepting food wastes;

Continue the no-charge program for taking in yard waste;

Educate homeowners on the benefits of composting at home;

Advertise the seventy (70) different flowers found in the composting facility;

Continue to sell composting bins; and,

Develop a yearly scholarship for the Master Composter program in exchange for the Master Composter Intern teaching two classes.

2K. **Goal:** Implement an ongoing waste diversion education/information/outreach program for schools, youth, consumers and businesses.

Action Steps: Continue the distribution of pamphlets on the benefits of recycling. The Chief Operating Person updates these pamphlets once a year and distributes pamphlets at the Transfer Station, town offices, area businesses, and other public places;

Continue to publish 4 to 5 articles each year in local newspapers on waste reduction tips and the benefits of recycling;

Utilize local public access channel and the town website to provide public outreach and promote waste reduction and recycling programs; and,

Become members of the Association of Vermont Recyclers.

2L. **Goal:** Educate the public about reducing toxics in septage.

Action Steps: Educate local Inns and Bed & Breakfast establishments to educate their customers about “country plumbing”;

Develop a detoxification program similar to the Central Vermont Solid Waste Management District’s program;

Distribute information on natural lawn and garden care; and,

Distribute recipes for non-toxic cleaners.

Example: One gallon of apple cider vinegar, one round box of salt, and 4-5 tablespoons of dishwashing soap combined together as a spray and sprayed for one week will kill poison ivy.

2M. **Goal:** Work with the Association of Vermont Recyclers.

The Association of Vermont Recyclers (AVR), founded in 1982, is best known for its educational theater programs and its in-class presentations on recycling and other environmental topics. AVR is a leader in shaping and defining Vermont's waste reduction efforts and goals.

The focus of AVR Education and School Technical Assistance Programs is: Recycling, Composting, and Household Hazardous Waste & Watershed Awareness. AVR's interactive programs encourage students to explore their local environment and create alternative waste reduction strategies for their schools. AVR integrates the arts, multiple learning skills and the Vermont Standards into its programs. AVR also facilitates service-learning opportunities by empowering youth to create and implement school and community projects.

AVR offers theater shows and workshops, addressing environmental concepts and ethics of sustainability. Our services are essential in this rural state, where small town tax bases prohibit specialized programming. AVR programs also help towns satisfy the educational component of their solid waste plans.

AVR works with teens to support a statewide network of environmental clubs to form the Youth Environmental Coalition (YEC). AVR helps youth analyze solid and hazardous waste problems and offers technical assistance to change behavior and community policies.

AVR also leads the Healthy Homes, Clean Waters initiative in Vermont. The goal of the program is to educate Vermonters about the dangers of some common household cleaners and chemicals and to offer them inexpensive and useful alternatives. Through educational exhibits and workshops, AVR helps individuals make the connection between the use of toxic household products and the contamination of our waters.

AVR provides School Technical Assistance to many Vermont schools. AVR staff assists administrators, custodians, school nurses, teachers and students in adopting environmentally friendly waste management and product purchasing in their schools. Areas include:

- Environmentally Preferable Cleaning Products
- Hazardous Products: Reduction, Replacement & Disposal
- Waste Stream Analysis & School-Wide Recycling and Composting

AVR is currently assisting schools with on and off-site compost projects through an Agency of Natural Resource grant. In conjunction with the Envision program, AVR is working with schools to help them switch to Environmentally Preferable cleaning products and implement Environmentally Preferable purchasing policies.

Action Step: Join AVR as a member district, and assist in offering services to all LG member municipalities;

Work to foster relationships among LG schools and AVR staff;

Implement educational outreach program at LG schools using AVR programs; and,

Advertise and promote AVR's Youth Environmental Summit (YES!) to local youth.

SECTION 3: BIOSOLIDS AND SEPTAGE MANAGEMENT PLAN

The Septage Management Plan is State certified for septage spreading at the site in Londonderry, VT.

The Londonderry Group will develop a reoccurring notification letter to let residents know that their septic systems' needs pumping on a regular basis. The Group will also begin looking for future locations for septage fields. The current septage field has fifteen (15) years left, but locating new fields will take time to locate and establish.

There are several options for managing biosolids, septage, and other sludges. The checklist below, lists all acceptable options for managing biosolids, septage, and other sludges generated within our district, even when the option is located outside of district towns.

TABLE 8 ¹³ ACCEPTABLE MANAGEMENT OPTIONS FOR SLUDGE AND SEPTAGE	
Management Option	Check if Acceptable
Land Application	<input checked="" type="checkbox"/>
Composting or Further Treatment to Qualify for Distribution	<input checked="" type="checkbox"/>
Landfilling or Use as Landfill Cover (both require dewatering)	<input checked="" type="checkbox"/>
Incineration	<input checked="" type="checkbox"/>
Regional septage receiving and/or treatment facility	<input checked="" type="checkbox"/>
Other wastewater treatment plants that are following all of the rules.	<input checked="" type="checkbox"/>

3A. Bromley Mountain Wastewater Treatment Facility currently sends their biosolids to an incineration end-use facility in Glens Falls, NY. Therefore,

¹³ Choosing an option as acceptable does NOT mean the town/district has to site such a facility nor does it mean specific facilities are “included in” the SWIP. Use Table 12 to list facilities “included in” the SWIP.

- no biosolids generated at LG wastewater treatment plants are currently beneficially used.
- 3B. Septage generated within LG towns by residents, and a limited number of Inns, receives beneficial end-use treatment through spreading on the town septage field. The Town of Londonderry generates money as a result of septage spreading.
- 3C. One barrier to the beneficial use of biosolids in our district is that there are few application sites available to manage the end-product. The lack of available farmland, coupled with the presence of floodplains and buffer areas prevent the practicability of such land application in Group town(s). In order to increase the beneficial use of biosolids, the Group intends to work with the generators in order to educate them as to the importance of beneficial end-use of the product. The COP will encourage WWTF located within the district to send biosolids to a composting, or other beneficial end-use facility (like the one located in Claremont, NH). Bromley Mountain continues to work with the State to address the reduction of toxics in the biosolids they generate.
- 3D. It is a priority of the town of Londonderry to identify and reduce sources of contaminants in biosolids generated within the district. The Group will also provide public outreach regarding biosolids and septage management by reporting in the Town Report(s) each year and developing an educational outreach campaign for local residents, inns, and haulers related to septic tank management and pumping. This campaign will consist of the distribution of an educational flier at the town office, transfer station, and through LG seasonal home-owner property caretakers. One obstacle to proper septage management is the number of seasonal residents and vacationers not familiar with acceptable land application septage specifications. (See Section 2:L)

SECTION 4: HOUSEHOLD HAZARDOUS WASTE, CONDITIONALLY EXEMPT GENERATOR WASTE, LANDFILL BANNED AND SPECIAL WASTE PLAN

Definitions:

Household Hazardous Waste (HHW) is a solid waste generated by a household that has some of the characteristics of hazardous wastes. These characteristics include wastes that are ignitable, corrosive, reactive and toxic. Automotive fluids and batteries, household chemicals (such as toilet bowl cleaners, bleach, pool chemicals, etc.), oil-based paint, mercury, and electrical products with hazardous components are some examples of HHW that is generated by households. The Solid Waste Rules (effective date January 15, 1999) define HHW as waste that would be subject to regulation as hazardous waste if it were not from households

Conditionally Exempt Generator Waste (CEG Waste) means hazardous waste generated (typically by a business or institution) that is conditionally exempted from certain provisions of the Vermont Hazardous Waste Management Regulations. CEG's must generate less than 220 pounds of hazardous waste, or 2.2 pounds of acutely hazardous waste and CEG's must not accumulate more than 2200 pounds of hazardous waste, or 2.2 pounds of acutely hazardous waste at any time. CEG's must handle and store all wastes properly. This includes placing materials in compatible containers, properly labeling them, and storing them under cover and securely.

Special Wastes are categories of solid waste that pose special environmental, health or safety concerns or have certain characteristics (e.g., size, composition) that cause problems in handling or management. The Solid Waste Management Rules (effective date January 15, 1999) designate asbestos waste, regulated medical waste, CEG waste, liquid wastes, and liquid containers with a capacity of 30 gallons or larger. Other wastes that may require special handling include tires, household hazardous waste, industrial sludges, bulky wastes, and large appliances.

Landfill-Banned Wastes are solid wastes that have been banned (by statute) from landfills in Vermont. These include waste oil, white goods (washing machines, dryers, refrigerators, ranges, etc.), tires, paint (including paint thinner, remover, stains, varnishes, but not solidified latex paint), lead-acid batteries, nickel-cadmium (NiCad) batteries, small sealed lead acid batteries, non-consumer mercuric oxide batteries, and labeled mercury-added consumer products. Mercury-added consumer products include but are not limited to thermostats, thermometers, manometers, barometers, and switches. Mercury-added switches include, but are not limited to tilt switches, flame sensors and thermocouples.

Statute (Title 24 V.S.A. Section 2202a) outlines the following priorities for municipal HHW/CEG/special waste plans:

- 1) Reduce or eliminate the use of hazardous or toxic substances;
- 2) Reduce the generation of hazardous waste;
- 3) Proper management of HHW/CEG waste; and,
- 4) Reduce the toxicity of the waste stream.

4A. Current management options for specific wastes, including collection/drop-off locations for each material, are listed below.

TABLE 9: COLLECTIONS FOR HHW, CEG, LANDFILL BANNED AND SPECIAL WASTES		
WASTE	COLLECTION/DROP-OFF LOCATION	COST
Automotive Wastes		
Waste oil	HHW Collection Events Two local garages also accept waste oil: West River Auto Parts & Service and Coleman's Auto.	Free of Charge
Oil filters	HHW Collection Events	Free
Tires	Transfer Station	\$2.00 to \$60.00
Antifreeze	HHW Collection Events	Free*
Lead-Acid Batteries	Transfer Station	\$2.00 each
Household Related Wastes		
Pesticides	HHW Collections	Free
Household Chemicals	HHW Collections	Free
Paint/Related Wastes	HHW Collections	Free
Ni-Cad & Lead Acid Batteries	HHW Collections	Free
Waste Electrical Products		
Fluorescent lights/ ballasts	HHW Collections	Free
Consumer Electronics	Implement annual or semi-annual turn-key used electronics collection event (began in 2006).	\$10 per item
White Goods	Transfer Station	\$10.00-\$15.00 ea
Other Special Wastes		
Asbestos ¹⁴	No Program	N/A

¹⁴ For the disposal of asbestos, residents and businesses are referred to the yellow pages to identify area businesses that specialize in asbestos abatement and removal. The COP has a list of such

¹⁶ Mercury-added products include, but are not limited to: thermostats, thermometers, barometers, gauges,

Medical Waste	Doctors and Veterinarians handle medical waste	N/A
Mercury-added Products ¹⁵	HHW Collections	Free
Dead Animals	No Program	N/A
Propane Tanks	Blue Rhino (Over 20#) – Londonderry Hardware	N/A

* “Free” indicates that the cost of collection and disposal is included in the LG member town municipal budgets.

Disposal of used oil filters has recently been added to materials accepted at the HHW/CEG collection events. Local service stations and automotive garages will continue to offer disposal of these materials as well. These entities always drain filters before disposing of them as either commercial solid waste or scrap metal (varies); this business waste does not come through the town’s Transfer Station. However, service station attendants indicated that no residents have brought used oil filters to them for disposal. It is likely that residents who change their own oil put the used filters in the municipal waste stream without draining them. Therefore, the Recycling Coordinator intends to develop and implement an educational campaign for residents regarding proper management and disposal of such waste. In addition, LG staff will research the feasibility of other disposal options for such materials at the Transfer Station.

4B. HHW, CEG, and Special Waste Planning

The Londonderry Group currently offers, and will continue to offer, two (2) HHW/CEG collection events per year as a service to both residents and businesses. HHW disposal is offered to residents of member town for free, and to district businesses at a direct cost. Such programs will be reinforced through educational efforts throughout the district. Informational fliers are distributed two times per year to residents (via the transfer station, town offices, and other public places) and local businesses (direct mailing) with information regarding proper transportation and disposal of HHW, special waste, and small business waste. Advertisements are also placed in “The Message” publication, as well as on the local public access channel and the town website. Medical wastes and dead animals will continue to be handled by local doctors and vets. The Londonderry Group and staff are currently working on a project to update the signs posted at the Transfer Station. New signs will clearly depict what is and is not appropriate for disposal as MSW and C&D waste.

medical devices, numerous types of electrical switches, chemical formulations, and free elemental mercury. Further information on mercury products can be found at www.newmoa.org and www.mercvt.org.

This is an effort to decrease the likelihood of accidental disposal of hazardous, special, or landfill-banned wastes.

4C. Collection and management program changes and improvements planned for the next five years include the following:

1. The Group is looking into the feasibility of developing an on-going recycling collection program for computers and other used electronics. The implementation of an on-going program will be dependent upon vendor accessibility, cost, and availability of storage space. In the absence of an on-going collection, the town will host turn-key events once every year or two to provide for the disposal of used electronics. The LG hosted its first turn-key event in 2006, using American Retroworks as the contractor. Over 2,200 lbs. of used electronic equipment were collected and recycled as a result of this event. Another e-waste collection event will be held in May of 2008.
2. In order to minimize the amount of HHW, CEG, special wastes, and landfill-banned materials from being disposed of at the Transfer station, personnel are trained to recognize hazardous and banned materials, and are proactive in preventing the disposal of such materials when working with the public.
3. The Recycling Coordinator will develop an outreach plan concerning used waste oil and oil filters. Educational materials distributed to residents will include information on where to bring used oil filters and how to dispose of them properly. Used oil and filters will be included to the list of materials accepted at HHW collection events.
4. The HHW education program plan (5-year) for schools and households includes the following:
 - Distribution of a publication called "Ten Rules for Caring for the Earth" to local residents at the Transfer Station, on the Town Website, and on public access television;
 - A Waste Away Program at LG schools designed to encourage the reduction of toxic waste generation; and,
 - Creation of a household toxic waste alternatives booklet to be distributed to local residents at the transfer station, town offices, and other appropriate public locations.
5. The LG intends to increase efforts at providing educational and technical assistance programs for Conditionally Exempt Generators (CEGs). Over the upcoming five years, these efforts will include the following:

- Creation and distribution of a hazardous waste transporter referral list to local generators; and,
 - Promotion of the Environmental Assistance Division (EAD) staff and programs, including pollution prevention, compliance, and waste reduction through advertisement on the town website(s) and information made available at the Transfer Station and town office(s).
6. The LG recently began to participate in RBRC's rechargeable batteries and cell phones recycling program. This program will continue, and advertisement for such services will increase in upcoming years. To date, there has been little to no advertisement of this program, as it is newly implemented. In the future, the program will be advertised in fliers and signs at LG town offices, businesses, public places, as well as at the Transfer Station, and on local public access television and town websites.
7. The Recycling Coordinator will continue to work with NRRA to implement and expand on-going collection of landfill-banned and special wastes for which programs are offered.

SECTION 5: UNIT-BASED PRICING PLAN FOR MSW

5A. Unit-Based Pricing Overview

In order to provide financial incentives for waste reduction, reuse, recycling and composting, the Londonderry Group intends to implement a unit-based pricing action plan. This plan will address waste generated, collected, transferred and disposed of by both the public and private sectors within the district. This system will provide economic incentives for generators to minimize waste, and increase participation in established recycling and composting programs.

The goals of unit-based pricing are to:

1. Reflect the true cost of waste management to generators;
2. Raise sufficient revenues to cover costs associated with solid waste collection and disposal;
3. Subsidize other solid waste programs (for example, recycling or HHW collections);
4. Reduce the total cost to the District or town of solid waste management;
5. Provide economic incentive for generators to minimize waste; and,
6. Increase recycling rates.

Potential obstacles to implementing a unit-based pricing system include:

1. An increase in the cost of waste disposal could initially lead to an increase in illegal disposal in an effort to avoid the newly instituted cost(s).
2. As more and more residents begin to recycle and compost in response to the higher per-unit fees, the revenues generated by tipping fees at the transfer station could potentially decrease. In the long term, this trend could lead to financial stress within the district.
3. Unit-based pricing will be difficult for the district to impact in the private sector, where haulers make decisions on what to charge their residential and commercial customers.
4. Additional staff time will be required for budget management, purchasing, distributing and tracking bags or stickers, customer education and response to inquiries and complaints.

5B. Current Pricing System

Town Sector: The Londonderry Transfer Station currently uses a pay-per-bag, unit-based pricing system. However, the cost to residents to dispose of household trash is considerably low (\$1.50 per 30 gallon bag). Recycling services for mixed fiber, glass, plastics, tin, and aluminum are free to residents and businesses within the LG. Please refer to Section 1, Table 6 for a list of solid waste accepted and disposal costs. In order to use the Transfer Station, LG town residents and businesses are required to purchase stickers. The Transfer Station sold approximately 825 stickers to LG town residents throughout 2006, at a cost of \$10.00 each.

The combination of a unit-based pricing system and the availability of free recycling services implemented at the Transfer Station is designed to encourage waste reduction and diversion within the district. In order to reflect the true cost of handling the waste however, the LG needs to reassess the cost to residents for disposal and compare it to the true costs acquired by the town for waste disposal and facility management. It is likely that such an evaluation will result in an increase in the per-bag unit paid by residents at the Transfer Station. The Recycling Coordinator will work to implement a more accurately reflective unit-based system over the upcoming year. This process will include the Selectboard from the Town of Londonderry, as the Town owns and operates the facility. Fee changes will apply to users from all of the LG towns.

Commercial Sector: The principle private hauler operating within Londonderry Group towns is Casella Waste Management. Casella provides solid waste removal and disposal services to both residents and businesses within LG towns. This entity operates using a very rudimentary unit-based pricing system, providing generation reduction incentives based primarily on the frequency of pickup. Casella allows residential customers to dispose of four 30-gallon bags with each pickup, charging only an extra \$3.00 per bag beyond this allowed volume of (See

Table 6). The combination of high volume and low disincentive costs do not encourage waste diversion and promote. Casella does not currently offer residential curbside recycling services to LG towns. However, Casella does offer limited (cardboard) commercial recycling services. The company is currently negotiating a contract with a local institution that would bring single-stream recycling pick-up services to the Londonderry Group member towns.

Nearly thirty small, private property managers use the Londonderry Transfer Station. These business people operate within LG towns, and typically provide waste hauling services for their clients. The levels of service vary from “hauler to hauler”, as do the pricing structures offered to customers. Tracking services and prices offered by property managers is complicated. Many and most of the private trash hauling services exist as a result of the extremely high seasonal resident rate within the district. Waste hauling service for these costumers is typically included as one component in the context of a larger agreement to provide caretaking services to a given property, and is not a separately priced service. Therefore, it is difficult to impossible to separate waste hauling costs from general property management costs.

Currently, the Group uses a sticker program for both residents and businesses. Residential stickers cost to the user \$10.00 per sticker. The Transfer Station sold approximately 75 commercial stickers throughout 2006, at a cost of \$25 each. Commercial stickers are sold to property managers offering waste disposal services (“small haulers”) and to contracting businesses hauling construction/demolition waste. Contractors account for approximately 60% of the commercial stickers sold, while property managers make up the other 30%. The cost of disposal for construction/demolition waste is also appreciably low (\$20 per cubic yard). In the near future, the Town of Londonderry intends to re-assess the true costs associated with waste disposal and to adjust the user fees, including the cost of stickers, to more accurately reflect these costs. Transfer Station staff manages stickers, and a receipt book is used to track users.

5C. Unit-Based Pricing Action Plan

Town Sector: The plan currently in place at the Transfer Station charges is unit-based pricing system for residential and commercial MSW and C/D waste. Charging \$1.50 is a reasonable, although somewhat low, rate. Likewise, the C/D disposal costs of \$15-\$20 per cubic yard are low. The Recycling Coordinator intends to work with the Town over the course of the upcoming year to assess the sufficiency of these fees, and determine a reasonable increase in disposal prices charged. This price increase will

provide incentives for consumers to reduce the amount of waste generated through recycling and smart buying, thereby reducing their cost for waste disposal.

The Group will work towards a more unit-based system over the course of the upcoming year. Since the Transfer Station is owned and operated by the Town of Londonderry, all decisions related to user fees will be ultimately determined by the Town. In order to move towards a more incentive-based and cost-reflective unit-based pricing system, the Londonderry Group will begin by educating town officials and staff as to the benefits of such a system. The Recycling Coordinator will use educational materials provided by the State and the Environmental Protection Agency to show the benefits of this system. Public education and outreach are also critical to the public acceptance of a unit-based program. The Group will develop efforts to increase public awareness of unit-based pricing, and will provide detailed information to the public about the benefits of this system. In addition, recycling service availability and convenience at the Transfer Station will continue to expand in conjunction with the implementation of higher user fees for municipal solid waste.

Commercial Sector: The diversity of services offered within the district reflects the diversity of needs among residents within LG towns. Residential needs and services vary based on seasonal occupancy, as well as hauler infrastructure and ability to offer services. All residents have reasonably close access to the Town Transfer Station and Recycling Center (See Table 10). Very few of the property management firms offer recycling services to their residential clients. It is the intention of the LG to work closely with this business sector in order to expand the services offered to include recycling options. In addition, the Recycling Coordinator will launch an educational campaign targeting seasonal homeowners, aimed at increasing reuse and recycling among this cross-section of the LG population.

The LG would like to see an expansion of services offered by the commercial hauler operating within the district (Casella Waste Management) to include commercial and residential recycling. Commercial single-stream recycling service negotiations are underway. The Coordinator will work with these private haulers to educate their customers about the importance of recycling and to encourage use of the Transfer Station for disposal of recyclable materials. In addition, wherever possible LG staff will encourage private haulers to implement unit-based pricing systems for residential and commercial services. (The Coordinator will continue to work to identify the pricing structure currently used by Waste Management in an effort to determine whether or not it is unit-based and encourages waste diversion and/or reduction.)

SECTION 6: BUY RECYCLED PLAN

The individual responsible for evaluating purchases for opportunities to buy recycled products is the Recycling Coordinator/Chief Operating Person for the Londonderry Group. This staff person will then relay such options to those parties responsible for making orders for local municipal offices and participating businesses. Educational outreach efforts made to encourage residential and business recycled product purchasing will be designed by the Coordinator and will use media such as fliers, town websites, and public access television. Currently no effort is being made by group member municipalities to purchase recycled, reused, or composted products.

6A. The Londonderry Group intends to encourage the use of post-consumer recyclable products through the following means:

1. Increasing the use of recycled products, composted material and used products in member towns by maintaining contact with the Northeast Recycling Council (NERC) for program assistance. NERC's mission is to advance an environmentally sustainable economy by promoting source and toxicity reduction, recycling, and the purchasing of environmentally preferable products and services. The Londonderry Group will promote this group and their website at <http://www.nerc.org/>.
2. Educating residents and businesses regarding opportunities for them to buy recycled using local retail outlets, Internet shopping, and state-sponsored programs.
3. List the recycled/used/composted products currently purchased and/or used by the town(s), district, or member towns:
 - Any person living in the Group communities is free to use composted materials from the facility.
4. Encouraging all towns in the Group to participate in the group buying of recycled office products. Currently none of The Londonderry Group towns purchase recycled products. The Recycling Coordinator will work with all town offices to implement recycled purchasing programs for the following printer paper, folders, and other office materials.
5. Working with LG businesses and institutions to evaluate purchases and explore opportunities to buy recycled products when appropriate. Work closely with LG schools to encourage purchasing of recycled products, and also promote state-sponsored cooperative purchasing programs.
6. Educating local contractors and homeowners regarding the services provided by the ReNew Building Supply Store in Brattleboro. Encourage contractors and residents to purchase used building materials using fliers, the town website, and local public access television.
7. And, provide information to LG municipalities, businesses, and institutions regarding avenues for purchasing recycled content products off the state contract (<http://www.bgs.state.vt.us/pca/polsub.htm>).

SECTION 7: ILLEGAL DISPOSAL PLAN

In order to reduce illegal dumping and burning activities within LG towns, the Recycling Coordinator will develop an action plan to be implemented at the district and/or local level. Adoption and enforcement of an ordinance are recommended as part of the plan (contact the Solid Waste Planner at 241-3444 for a sample ordinance). In the absence of ordinance approval, the LG will implement a program designed to achieve similar results to an ordinance and enforcement. Such a program would include extensive educational and public outreach efforts.

7A. Illegal Disposal Policies and Enforcement Mechanisms

Enforcement mechanism in place

The Londonderry Group enforces the State Statute (24 V.S.A. § 2201), prohibiting the burning and dumping of solid waste. Group staff sends letters of violation to offenders. There is a \$500.00 fine for offense. The Chief Operating Officer and fire wardens are the personnel used to enforce state statutes. LG towns do not have local police departments.

Ordinance adoption in process

Currently there are no district/local ordinances in place. Ordinances would have to be adopted by each Group town and would be adopted through Chapter 59, Section 1971.

The Londonderry Group will contact the regional planning commissions in Windham, Bennington, and Windsor (as well as other solid waste districts) for assistance with open burning and illegal dumping ordinances. The RPCs are aware of the process needed for adoption and are in contact with Group towns on many issues such as bylaws, regulations, and ordinances. All LG member town Selectboards will be involved in the process to adopt and implement such an ordinance.

7B. The Londonderry Group uses letters, flyers, and reports to continue the ongoing education of area resident and commercial operations. The Recycling Coordinator will expand these efforts to include town websites and public access television over the course of the next 2 years. Fire wardens in all towns will continue to issue burn permits, and tell those burning what is/isn't acceptable.

- 7C. Listed below is an evaluation of the convenience of proper waste disposal services to residents and businesses located within each town contained within the LG SWIP.

TABLE 10: EVALUATING CONVENIENCE			
TOWN AND TYPE OF WASTE	CONVENIENCE		
	Opened Monday, Tuesday, Thursday, Friday and Saturday. Closed Sunday and Wednesday.		
Landgrove, Londonderry, Peru, Weston, Windham	Furthest Haul ¹⁶ Distance	Hours of Operation	Cost to User
Residential MSW	15 Miles	10-6	\$1.50/bag
Construction/Demolition Debris	15 Miles	10-6	\$20.00/cubic yard.
Tires	15 Miles	10-6	\$2.00 to \$60.00/tire
Swap Shop (Thrifty Attic)	15 Miles	10-3	No Fee
Composting	15 Miles	10-6	No Fee
White Goods	15 Miles	10-6	\$10.00 to \$15.00/unit
Recyclables	15 Miles	10-3 ¹⁷	No Fee

¹⁶ Fifteen miles is the farthest any hauler will have to travel to the Transfer Station. In most cases, it will be less.

¹⁷ Will still take recyclables to recycling center.

SECTION 8: SOLID WASTE FACILITIES SITING CRITERIA

8A. The Londonderry Group Towns currently does not have nor is it proposing any solid waste management facility siting criteria or site evaluation process. There are no plans for the Londonderry Group Towns to open or operate any new solid waste facilities within member towns and thus the Londonderry Group is choosing not to develop a facility site selection process for such facilities.

SECTION 9: SPECIFY TOWNS INCLUDED IN THE DISTRICT OR INTER-MUNICIPAL ASSOCIATION

9A. Table 11 below lists all municipalities that are part of the district or inter-municipal association. This list is current as of 05/07/2007. Table 11 will be revised and submitted every two years as part of the Implementation Report.

TOWN	DATE ACCEPTED INTO THE DISTRICT	DATE LEFT DISTRICT
Landgrove	12/12/2000	N/A
Londonderry	12/12/2000	N/A
Peru	12/12/2000	N/A
Weston	12/12/2000	N/A
Windham	12/12/2000	N/A

9B. Any and all applications to be accepted into The Londonderry Group, and thereby included in the SWIP, require review and approval by each of the five towns' Selectboards (See Section 10). In order for any applicant to be approved, the following process applies:

This process would require public meetings to be held in each of the five Group towns.

When towns are accepted into the multi-town alliance, solid waste facilities in these towns must meet the certification requirements set forth by DEC.

In order for towns to leave the multi-town alliance, they must submit an application for departure, and such action must subsequently be approved by all five member towns' Selectboards.

The process to consider a new member town and revise the Group's SWIP will include the following steps:

¹⁸ This table will also be updated as part of your implementation report to be submitted every two years.

New town will formally request membership in the SWIP and be included in the SWIP;

The request is reviewed by staff and member town Selectboards;

Provide opportunities for public participation;

The request is either approved or denied by the Selectboards; and,

If approved, notify the Waste Management Division by letter that the SWIP has been revised to include the new member town, and include in the letter a statement that the revision and process followed are consistent with process to include new member towns described in the previously approved SWIP.

SECTION 10: SPECIFY FACILITIES INCLUDED IN THE PLAN

Note: Under state law (10 V.S.A. Section 6605c), ANR shall not issue a certification or recertification for a solid waste facility (except for a sludge or septage land application project) unless it is included in the district or municipal solid waste implementation plan.

The table below lists the existing solid waste facility that is included in the Solid Waste Implementation Plan.

TABLE 12 ^{19, 20} FACILITIES INCLUDED IN THE PLAN			
FACILITY NAME	OWNER/OPERATOR	LOCATION	TYPE
Londonderry Transfer Station	Town-Owned	Route 100	Transfer Recycling Center

The process to consider a proposed solid waste facility in the Group and revise the Group’s SWIP will include the following steps:

- The developer of the proposed solid waste facility formally requests that the Group include the facility in the SWIP;
- The request is reviewed by staff and member town Selectboards;
- The request is reviewed by regional planning commissions;
- The town(s) provide opportunities for public participation;
- The request is either approved or denied by member town Selectboards; and,

¹⁹ This table will also be updated as part of your implementation report to be submitted every two years.

²⁰ Facilities with categorical certifications or insignificant waste management event approvals are not required to be “included in” SWIPs and do not need to be listed in the table.

If approved, the Group goes through the necessary actions as set forth by the Agency of Natural Resources in order to revise the approved SWIP to include the solid waste facility.

SECTION 11: BUDGET AND TIMELINE

The following table identifies all the existing or proposed actions proposed and described in this plan. The table contains all the action steps identified in the SWIP and, for each action step, provides a timeline and budget for implementation. The table will serve as a summary list and to help with budgeting.

ACTION STEP	FREQUENCY	NEXT SCHEDULED or COMPLETE BY	COST (\$) OR PERSONNEL (Time)
Continue to suggest alternatives for toxics	On-going	Spring 2008	\$300 printing; plus 30 hours per year
Continue to remove mercury switches from appliances being brought to transfer station	On-going	N/A	\$20.00 per hour once a month
Continue to advertise free recycling at transfer station	On-going	N/A	\$500.00 annually; plus 50 hours per year
Continue to advertise the Thrifty Attic	On-going	N/A	Ten hours per year
Continue to distribute pamphlet to residents on recycling participation	On-going	N/A	\$250.00 annually; plus 40 hours per year
Distribute pamphlet to businesses on recycling participation	Annually	Winter 2007/2008	\$300 annually

²¹ This table is subject to change, as the final budget is awaiting review from the Selectboard(s). ANR will be notified with any changes prior to adoption of the finalized SWIP. This table may also be updated every two years as part of the implementation report(s).

Applaud companies that have high recycling rates	On-going	N/A	Ten hours per year
Continue to write articles in local newspapers on recycling	On-going	4 times annually	Forty hours per year
Get recycling information to area realtors	Annually	September 2007	Thirty hours per year
Get recycling information to landscaping and property maintenance	Annually	June 2007	Thirty hours per year
Give good recycling awards	Annually	September 2007	\$50.00
Commercial recycling speaker forums	Annually	December 2007	Forty hours per year
Contract with AVR to work with area schools regarding recycling	Annually	December 2007	\$1,500.00
Continue to aid in the distribution of canvas bags at stores	Annually	December 2007	\$300
Work with fire wardens to prevent illegal open burning	On-going	N/A	Fifty hours per year
Work to develop an illegal dumping ordinance	On-going	December 2009	Seventy hours
Urge people at the transfer station to recycle	On-going	N/A	Facility Staff
Educate contractors regarding construction debris recycling options	Annually	March 2008	Thirty hours per year
Work with local farmers regarding accepting food wastes	On-going	N/A	Fifty hours per year

Educate homeowners on the benefits of composting at home	On-going	N/A	Twenty hours per year
Participate in NRRA compost bin sale	Annually	March 2008	Thirty hours per year
Distribute pamphlets on the benefits of recycling	Annually	March 2008	\$250; plus thirty hours per year
Write articles in local newspapers on the benefits of recycling	On-going	Four times per year	Forty hours per year
Establish recycling programs at area institutions	On-going	May 2007	Seventy-five hours per year
Implement buy recycled bulk purchasing at LG municipal offices	On-going	September 2007	Fifty hours per year
Establish recycling programs at LG municipal offices	On-going	May 2007	Seventy-five hours per year
Make testing kits available to town garages and local homeowners for testing for chlorine in waste oil	On-going	May 2009	\$127.00
Continue to provide HHW/CEG disposal for member towns	2 times per year		\$14,500 annually; plus one hundred hours per year
Continue to provide used electronics collection for member towns	Annually	October 2006	\$800 annually; plus 30 hours per year

SECTION 12: PUBLIC PARTICIPATION PLAN

The foundations for this Plan were the current operating procedures or the Transfer Station/Recycling Center, guidance from the Bennington and Windham County Regional Commissions, recommendations from Solid Waste Division staff, multi-town selectperson meetings, and discussions held at publicly warned Selectboard meetings.

A Public Notice was posted in three Londonderry locations and in one location each in the remaining Group communities to announce the availability of a draft Plan and inviting public input and comment prior to Londonderry Selectboard meetings. Copies of the draft Plan were distributed to each Group community Selectboard whereupon the drafts were adopted by majority vote.

Public meetings to discuss the SWIP were held at Selectboard meetings in Londonderry on April 28, 2003 and May 5, 2003; Weston on April 22, 2003 and May 13, 2003; Windham on April 28, 2003 and May 5, 2003; Peru on April 17, 2003 and May 1, 2003 and Landgrove on April 10, 2003 and May 8, 2003.

The operations and services at the Transfer Station/Recycling Center result from a balance between what service providers have to offer and what patrons request or, in some instances, what they are willing to do (e.g. flattening, washing, separating, etc.). The balancing variables, for both the consumers and local officials, are time and money. In terms of program development and service expansion, therefore, the Group defines "public input" broadly to include local officials, municipal employees, private companies, solid waste districts, regional commissions, State agencies, and of course, the residents themselves. Periodic press releases and annual reports at Town Meeting keep residents informed and provide an opportunity for questions or recommendations. Naturally, the avenues of communication must continue to exist and be encouraged.

All public processes include the following:

A copy of the Plan will be sent to the State.

A copy of the Plan will be sent to each participating Town.

Public warnings will be noticed for votes by the Selectboards.

SECTION 13: CONFORMANCE WITH OTHER PLANS

Your SWIP must be in conformance with any municipal and regional plans adopted in accordance with 24 VSA Chapter 117. Demonstration may be in the form of a letter from the applicable regional planning commission and the municipal planning board which states that they have reviewed the SWIP and explains how the SWIP conforms to the regional and municipal plan, copies of pertinent sections of the regional or municipal plan, or other documentation that demonstrates conformance.

NOTE: After the communities have reviewed the Plan, we will send letters to the Regional Planning Commissions asking for this information.