
TOWN OF MILFORD
DEPARTMENT OF PUBLIC WORKS



~ 2011 REPORT ~

Public Works Administration - The Public Works Administration provides for all the processing and record keeping of all activities within Public Works. The maintained records consist of building, cemeteries, developments, highways, memorials, parks, recycling center and storm water. The office processes everything from payroll and accounts payable to citizen concerns and requests. The office also provides for inspection services for construction activities in existing right-of-way as well as construction of new right-of-way in new developments. During the calendar year 2011 we accepted 1 new road, issued 21 street opening permits, 11 driveway permits, and 2 utility pole licenses.

Cemeteries - DPW crews annually maintain and upgrade the 5 cemeteries (Riverside, West Street, Union Street, Elm Street, and the North Yard) in Town with activities including mowing, brush cutting, tree pruning, raking, and grounds maintenance.

There were 31 full burials, 23 cremation burials, and 1 infant burial in 2011. DPW crews installed foundations for 10 monuments as well as placing 15 military markers. There were 27 full or cremation lots sold in 2011.

The large wrought iron gate at the West Street Cemetery was repaired and repainted by DPW personnel and the granite post it is mounted on was repaired by an outside contractor as well.

The Cemetery Trustees approved the purchase of an L3800 Kubota tractor/loader for the cemetery using funds from cemetery lot sales. The new tractor will help the crew perform their duties in a safer and more productive manner.

We would like to thank the Cemetery Trustees for their continued service and support. (Mary Dickson – Chairman, Leonard Harten, and Robert Courage)

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**Highway Right-Of-Way Maintenance** - The Town maintains approximately 86.75 miles of roadway and 11 miles of sidewalk. We continue to conduct our yearly maintenance programs such as roadway sweeping, grading gravel roads, roadside ditch and culvert cleaning, tree and brush trimming, line painting, roadside mowing and sidewalk maintenance.

**Crack Sealing** – The annual crack sealing program is all done in-house by DPW staff. This year there was 21,656 linear lane feet done. The amount completed every year is determined by the condition, amount and size of the cracks in the roadway surface. DPW staff will continue this preventative maintenance program in the future, which will add life to road surfaces.

The following roads were part of the surface rehabilitation program:

| <u>Milled 1 ¼"</u> | <u>1 ¼" Shim and Overlay</u> | <u>1" Overlay</u> | <u>Crack Sealing</u> |
|--------------------|------------------------------|-------------------|----------------------|
| Nashua Street      | Nashua Street                | Osgood Road       | Savage Road          |
| Elm Street         | Elm Street                   |                   | Whitten Road         |
| Oval               | Oval                         |                   | Ches-Mae Lane        |
| (Union Square)     | (Union Square)               |                   |                      |
|                    | Johnson Street               |                   |                      |

The following road was accepted in 2011: Boynton Hill Road

**Highway Winter Maintenance** – The spring snowfall started out like a lion with 67.3" of snow and ended with the surprise October snowstorm which left 11.5" of snow. The total snowfall for year 2011, as recorded by Jamie Soucy of the Wastewater Department and a National Weather Service Co-operative Observer, was 78.9". The following is a monthly breakdown:

**Snowfall in Milford, New Hampshire – 2011**  
**Measured in inches and tenths, for 24 hour periods ending at 7:00 pm**

| <u>JANUARY</u> | <u>FEBRUARY</u> | <u>MARCH</u> | <u>APRIL</u> | <u>OCTOBER</u> | <u>NOVEMBER</u> | <u>DECEMBER</u> |
|----------------|-----------------|--------------|--------------|----------------|-----------------|-----------------|
| 35.6           | 25.3            | 2.2          | 4.2          | 11.5           | 0               | .1              |

**Sign Maintenance** – Federal mandate has required all communities to begin a retro reflectivity standard program for all signage. Towns must inventory, determine condition of signs, replace or upgrade as needed and place them in a maintenance program to meet retro reflectivity sign standards. DPW has purchased and is using new software to assist in the program, along with the yearly tracking of stolen or repaired signs and the addition of new signs.

**Highway Street Lighting** – Currently there are 424 street lights rented on a monthly basis from Public Service of New Hampshire.

**Roadway Striping** – The Town annually hires a contractor to refresh the highway pavement marking lines. This year 30 miles of double yellow and 16 miles of white fog line were done. DPW crews refresh crosswalks, stop bars, handicapped and standard parking space lines and other roadway markings throughout Town.

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Storm Drainage Maintenance – A contractor is hired annually to clean upwards of 1,100 storm drains with DPW assisting and cleaning the remaining 22 that are not machine accessible. This year, during the paving project, DPW and a hired contractor reset and rebuilt the top portions of 74 drainage manhole structures in the downtown.

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**Park and Memorials** - The DPW crews annually maintain and upgrade the Town's 15 parks and 4 memorials with activities such as mowing, raking, pruning, weeding, vandalism repairs, painting, new plantings of plants and maintenance of irrigation systems.

During 2011, the following projects were completed in these specific parks/areas:

**Kaley Park** – Town crews and equipment helped to build the new parking areas, assisted placing and grading of loam on the new 2<sup>nd</sup> field. The Town contributed by supplying, transporting and placing gravel from the Brox pit to the new parking areas.

Keyes Field – Contractors were hired to refinish the wading pool area to make it safe and useful for young swimmers.

Granite Town Rail Trail (In Conjunction with the Conservation Commission) – Each year DPW works 1 to 2 weeks on a different section of rail trail, making upgrades and improving the overall condition.

Other related programs and projects – The Town will continue to work with the Hillsborough Department of Corrections Work Program. The program provided the Town with 6 weeks of 6 to 8 men performing duties such as painting, brush cutting, fall cleanup and some construction duties. The Town only has to provide lunches for the personnel and receives tremendous benefit from their work.

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Recycling Center - This year a total of 2,527.93 tons of municipal solid waste (MSW) trash was disposed of at this facility. The trash was delivered to Wheelabrator's Concord facility which is located in Penacook, NH, a waste-to-energy plant under contract with Waste Management and the Town of Milford. There was also 867.04 tons of demolition material including painted, varnished and stained wood, sheet rock, insulation, shingles, mattresses, and overstuffed furniture that was transported to staging sites in Londonderry, Auburn, and Salem/Peterborough under a contract with Waste Management and the Town of Milford.

The department's recycling effort from January through December removed a total of 1,235 tons from the waste stream. (This does not include propane tanks which are shipped out by the piece.)

The Town started a new pilot program in September 2004 where we have the residents voluntarily separate glass and place them directly into the hoppers. The glass is then hauled to Goffstown, NH, and ground up for use as road bedding through a program with the NRRRA. In the updated municipal code of 2007, glass separation is now mandatory for all who use the Transfer Station. This year we have shipped 257.33 tons of glass to Goffstown. The glass program continues to save money as we move forward and fully implement the program. The final product after crushing is used for road bedding. This number does not include residents who are in the craft business making lamps out of bottles, all types of "glass" for resale that comes and is picked up weekly. We also have a couple of business owners making counter tops out of glass. This saves on disposal costs and the glass is being recycled.

Approximately 750 cubic yards of yard and leaf materials were added to our composting effort. The material is piled in windrows and periodically turned over. After about 2 years, it has decomposed into an excellent product that can be used as a soil amendment and is currently free to residents. Thank you to all the Milford residents for their continued efforts to empty out all bags of leaves out into the leaf pile and for continuing to keep contaminated debris out of leaves for our wonderful product of composting used by residents for gardens, landscaping, flower beds, grass, etc. We would like to send a special thank you to Soiland for all their time, equipment and dedication at the Transfer Station, for their work with the compost piles (old and new) and leaves, and pushing up our brush piles from time to time when needed. As a reminder to all residents, we also offer wood chips for free to anyone needing this material.

Total electronics shipped out for 2011 totaled 60,060 pounds. We have two vendors (1 vendor pickups CPUs only). We also have school children who pick up CPUs to repair for school projects. We shipped out 370 Freon items which include refrigerators, air conditioners and dehumidifiers. In 2011 we added clean to reuse plastic grocery bags at the "Still Good Shed". Residents can drop them off for anyone who would like to reuse them.

Milford Recycling Center
Historical Data

Solid Waste Data				Miscellaneous Solid Waste Data				Recyclable Solid Waste Data				Other	Total	Transfer Station Expenses and Revenue Data								
Year	MSW* Trash Tonnage	Demolition Trash Tonnage	Glass Tonnage	Total Category Tonnage	Batteries Tons	Electronics Tons	Freon # of units evacuated	Number of Propane Tanks	Tires Tonnage	Total Category Tonnage	Aluminum Cans Tonnage	Corrugated Cardboard Tonnage	Metals and Tin Tonnage	Mixed Paper Tonnage	Plastics #1/#2 Tonnage	Total Category Tonnage	Clothing Tonnage	Grand Total Tonnage	Year	Non-Cap. Op Budd Cost	Revenue Income	Net Cost
2003	3,508	990	221	4,719	18	-	-	-	18	36	27	178	444	380	80	1,109	90	5,954	2003	\$739,976	\$168,053	\$571,923
2004	3,299	1,277	137	4,713	12	-	-	-	30	42	25	140	497	468	70	1,200	110	6,065	2004	\$671,570	\$140,031	\$531,539
2005	3,275	1,341	235	4,851	14	-	-	341	33	47	33	126	219	452	69	899	55	5,852	2005	\$656,822	\$131,984	\$524,838
2006	3,196	1,402	235	4,833	21	-	294	226	22	43	42	117	238	480	80	957	53	5,886	2006	\$681,045	\$172,722	\$508,323
2007	3,014	1,072	256	4,342	20	8	495	343	16	36	21	257	224	493	65	1,060	60	5,498	2007	\$656,630	\$179,190	\$477,440
2008	3,043	1,030	259	4,332	41	22	371	400	22	85	22	107	165	501	73	868	72	5,357	2008	\$685,718	\$184,285	\$501,433
2009	2,930	1,008	272	4,210	50	35	425	550	41	126	32	125	190	664	78	1,089	93	5,518	2009	\$712,874	\$123,803	\$589,071
2010	3,006	957	264	4,227	75	30	300	600	63	168	36	130	200	725	85	1,176	97	5,668	2010	\$715,254	\$142,103	\$573,151
2011	2,528	867	257	3,652	102	30	400	594	43	175	20	90	150	383	65	708	95	4,630	2011	\$654,647	\$189,140	\$465,507
Total	27,798	9,944	2,136	39,879	353	125	2,285	3,054	288	758	258	1,270	2,327	4,546	665	9,066	725	50,428				
Ave.	3,089	1,104	237	4,431	39	25	381	436	32	84	29	141	259	505	74	1,007	81	5,603				

Note 1

Note 2

Note 3 Note 4

Footnotes:

*MSW = Municipal Solid Waste

Note 1: Electronics since July 1, 2007 are shipped separately with new program. They were previously put into demo.

Note 2: Total category tonnage miscellaneous solid waste does not include propane tank column. Prior to 2005 these tanks were included in scrap metal.

Note 3: The corrugated cardboard tonnage fluctuates based on local businesses and market pricing.

Note 4: The metal and tin tonnage fluctuated as a result of individuals taking advantage of the income potential from scrap metal driven by market pricing.

Comments:

MSW continued to decrease in 2011. Recycling - more taken out of trash and due to the economy.

Metal in 2003 and 2004 is overstated because of the inclusion of Propane Tanks and therefore distorts the yearly comparison of the category and grand total.

Demo decreased in 2011 due to the economy/building.

In September of 2002, the Town of Milford implemented a new recycling recovery program, which includes the removal of paper recyclables (residential mixed paper). Integrated Paper provided a two cubic yard compactor and a 40 cubic yard roll off container at no charge. The roll-off container was picked up on site every week and is replaced with another. This year 383 tons of mixed paper was taken out of the waste stream. As of May 2011, the Town went with Empire Recycling out of Billerica, MA who provides the same set up and picks up once a week or as needed.

WHEN YOU RECYCLE, PLEASE PUT ONLY THE "ACCEPTABLE" PAPER LISTED BELOW IN THE MIXED PAPER CONTAINER. PLACING UNACCEPTABLE PAPER IN THE MIXED PAPER CONTAINER WILL "CONTAMINATE" THE PAPER AND END OUR ARRANGEMENT WITH THE NORTH SHORE PAPER MILL.

ACCEPTABLE PAPER	NOT ACCEPTABLE PAPER
COMPUTER PAPER	CARBON PAPER
PAPER BAGS	SELF SEALING ENVELOPES
MAGAZINES	MYLAR
CATALOGS	TYVEK
WHITE/COLORED OFFICE PAPER	FOIL PAPER
FAX PAPER	JUICE BOXES (FOIL INSIDE)
ENVELOPES (WITH OR WITHOUT WINDOWS)	PAPER WITH ANY METALS (BESIDES PAPER CLIPS & STAPLES)
TAB CARDS	BLUE PRINTS
NEWSPAPERS (AND GLOSSY INSERTS)	PLASTIC COATED PAPER
MANILA FOLDERS	TISSUE PAPER
TELEPHONE BOOKS	PAPER TOWELS
STAPLED & PAPER CLIPPED PAPER	NAPKINS
CARDBOARD	PAPER CUPS & PLATES
CHIPBOARD (CEREAL BOXES, TISSUES BOXES, ETC.)	ANY PAPER SOILED (WITH FOOD, OILS, ETC.)
PAPERBACK BOOKS	WAX CARDBOARD
JUNK MAIL (PLASTIC WINDOWS OK)	PLASTIC LAMINATED PAPER
MIXED OFFICE PAPER	
NOTEBOOK PAPER	
DRAWING PAD PAPER	

The Milford Transfer Station continues to utilize as many community workers as possible throughout the year. We work with the prosecutors and courts including the surrounding towns to help kids and adults who may be in trouble with the law and who are requested to do community service with the Town. This year we had 362 community workers at various times. We also worked very closely with the Welfare Department utilizing the work program implemented for residents that receive assistance from the Town. This program has enormously grown in the last 1 ½ years. Each individual who gets assistance is responsible for contacting the Transfer Station manager for a set schedule on a weekly basis.

We would like to thank the Board of Selectmen for their continued interest and support in our very busy recycling operation and especially to the Milford residents for their continued support and cooperation in our recycling efforts and willingness to do more with recycling. Also thanks to all of you who donated time at our very successful Hazardous Waste collection at the DPW garage. We look forward to having it again in May 2012.

In June/July we had the Hillsborough County Department of Corrections personnel stain the Recycling Center building and officer trailer. They also replaced a door on the Still Good Shed with a donated door and frame and painted it.

Special thanks to volunteers Fred, Moe and Sandra who donated their time and energy at the Still Good Shed and up on the hill at the Demo Area. They spend their days helping the community and assisting residents during our peak hours. Thanks also to all the volunteers on the Recycling/Solid Waste Committee for your attendance at monthly meetings and all the homework involved, as well as your encouragement, dedication and continued support. We look forward to working with you all in 2012.

Respectfully submitted,
Rick Riendeau
Public Works Director