

# Pay As You Throw

Presented to Lee Solid Waste  
Committee 4/1/2019 by Members  
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# PAYT Class

- Randy and Arthur(SWAC)and Peter and Warren (Highway Dept.) attended a 3 hour DES sponsored class at DES in Concord on Feb. 27<sup>th</sup>, 2019 on PAYT.
- Each attendee was supposed to fill out 2 worksheets (@20 pages) prior to class reference town info, tonnages, facility cost etc.
- Instructors primarily went over worksheets
- Summary of some of the points made below:
  - Do Not put PAYT on a Town Warrant
  - 34 Towns in NH have PAYT in some form(1in 5).
  - PAYT mandated in Vermont in 2018

# PAYT Class (cont.)

- Summary Cont.

- Easier to implement if surrounding towns do it together.
- Need some kind of legal authority to implement.
- Illegal dumping is not an issue with towns with PAYT.
- Suggest limiting container/bag weight.
- Brattleboro Vermont saved 30k first year and recycling went from 30 to 50%.

# PAYT –Advantages/Disadvantages

## Advantages

- Fairer, more equitable.
- Encourages recycling
- Encourages waste reduction.
- Lowers waste disposal budget.
- Overall reduction in waste thereby saving landfill space and money.

## Disadvantages

- Residents see as another tax.
- Need additional personnel to check bags for compliance.
- Can be difficult to implement and enforce.
- Somebody has to keep vendors stocked with bags.
- Would likely only fund a portion of Tr. St. and disposal cost.

# Types of PAYT Programs

- Stickers
- Coupons
- Bags
- Weight
  
- Drop-off (Tr.St.)
- Curbside

# Towns with Drop –Off (Tr St) Programs in NH

## As of 2017-NRRA Spreadsheet

Towns nearby Lee with PAYT						
Town	Population	Start Date	Collect.Type	Progam	Comments	
Somersworth	11,766	Jan-91	Curbside	Bags	30 Gal=\$1.25	
Raymond	10,138	5-Jun	Curbside	Bags	33 Gal=\$2.00	
Newmarket	8,936	May-95	Curbside	Bags	33 Gal = \$1.25	
Dover	29,987	Oct-91	Curbside	Bags	30 Gal=\$2.15	
Barrington	8,576	Mar-93	Drop- off	Bags	33 Gal =\$1.30	
Farmington	6,786	Mar-93	Drop-off	Bags	30 Gal=\$1.25	
Exeter	14,306	Oct-93	Curbside	Bags	33 gal.=\$1.60	
South Hampton	814	May-97	Curbside	Stickers	1st 35 gal cont free-1.00 ea.	
Concord	42,695	Jul-05	Curbside	Bags	30 gal=\$2.00	

<b>Simplified Depreciation Schedule Lee Tr. ST.</b>						
<b>Item</b>	<b>Cost</b>	<b>Interest</b>	<b>Total</b>	<b>Life Span</b>	<b>Cost/Yr</b>	
Transfer Station Building	\$600,000	\$ 277,082	\$ 877,082	50	\$17,541.64	
#1 Bobcat	\$40,000	\$ -	\$ 40,000	15	\$ 2,666.67	
#2 Bobcat	\$40,000	\$ -	\$ 40,000	15	\$ 2,666.67	
#3 Bobcat	\$40,000	\$ -	\$ 40,000	15	\$ 2,666.67	
Used 2-1/2 CY Loader	\$50,000	\$ -	\$ 50,000	15	\$ 3,333.33	
Horizontal Baler #1	\$50,000	\$ -	\$ 50,000	25	\$ 2,000.00	
Horizontal Baler #2	\$50,000	\$ -	\$ 50,000	25	\$ 2,000.00	
Rebuilt Trash Compactor	\$25,000	\$ -	\$ 25,000	25	\$ 1,000.00	
#45-45 yd opentop container	\$8,500	\$ -	\$ 8,500	12	\$ 708.33	
#47-45 yd opentop container	\$8,500	\$ -	\$ 8,500	12	\$ 708.33	
#48 - 45 yd closed top container	\$8,500	\$ -	\$ 8,500	15	\$ 566.67	
# 49 -45 yd closed top container	\$8,500	\$ -	\$ 8,500	15	\$ 566.67	
#50 - 45 yd open top container	\$8,500	\$ -	\$ 8,500	15	\$ 566.67	
<b>Total Depreciation/yr</b>					<b>\$36,991.64</b>	

Examples	
<b>Attempting to Cover MSW Cost</b>	
<b>#1-a Assuming a reduction of 25% in MSW to 750 tons annually</b>	
750 tons divided by 25 lbs/bag =60,000 bags	
750 tons @80/ton disposal rate = \$60,000.00	est
Price per bag to cover MSW disposal and hauling =\$1.00 plus bag cost	\$ 1.30
<b>1-b Assuming a 20 percent reduction and 30lbs/bag</b>	
800 tons divided by 30 lbs/bag =53,334 bags	
800 tons @80/ton disposal rate =\$64,000.00	
Price per bag to cover MSW disposal and hauling = \$1.20 plus bag cost	\$ 1.50
<b>Attempting to cover all Tr St and Disposal Cost</b>	
1881 tons - 25% reduction in MSW=1631 tons and 20,000 less expense	
Total cost =314,505 divided by 1631 tons =192.83/ton	
314,505 divided by 60,000 bags(750 tons @25lbs/bag) = \$5.25/bag	\$ 5.55
*Assumption is extra recycling income would be off set by extra policing labor.	

## Estimated Transfer Station Cost/Ton

- Total Avg. Tr. St. Tonnage per year 2011-18 =1,881 tons
- Equipment and building depreciation /yr. = 36,991.64
- Ancillary labor cost (17-18)= 70,000.00
- Total Budget –(operating and disposal) 310,385.00  
(17-18)
- Recycling and bulky fee income (17-18) 82,911.00
- Expenses and depreciation minus income 334,465.64
- Per ton cost 177.81

## One Possible Scenario if PAYT is Adopted (figuring 1000 tons of MSW annually)

- Assuming a 25% reduction in MSW saves 250 tons trash @80/ton =20,000 dollars.
- Assuming 1 dollar per bag revenue over cost of bag would equal 60,000 bags (750 tons times @25 lbs. avg. weight per bag) or 60,000 dollars.
- Assuming revenue from extra recycling would be offset by labor for processing recyclables and policing trash hopper 36 hours per week.
- Potentially reduces Tr. St. cost by 80,000 dollars.

# History Of PAYT Attempts in Lee

- 1997 -SWC started discussing PAYT
- 1999- SWC members attended a PAYT seminar –A PAYT info sheet was included in Town Crier (30 responses received).
- 2000 – A public forum was held in February and a Barrington Selectman attended discussing Barrington’s PAYT experience as well.
- June of 2000 the SWC and Tr. St. Manager did a presentation to the BOS.
- Very little mention of PAYT after this date.

# Summary

- Is PAYT for Lee?
- Should the SWAC pursue this subject further and approach BOS with a presentation?
- If Yes to the above, there are companies such as Zero Waste who provide bags and assistance in setting up a PAYT program.
- Committee members should talk to other towns with PAYT.
- Is the timing a bit off with the current recycling markets?