

# Pay As You Throw

Dennis Patnoe

# ABOUT:

- Dennis Patnoe
- Started for Town of Lancaster April 29<sup>th</sup>, 1997
- Implemented PAYT in 1999
- Improved Transfer Station:
  - Added Demo Auger
  - Added 3 Balers (Total 4)
  - Solar
  - Added 13 Storage Units
  - 2 Additions – Bathroom w/ eyewash, full breakroom and office
  - Used Oil Furnace
  - Paved Facility
  - Implemented Closed Landfill Testing
- Retired End of 2020

# What Does Our PAYT Budget Cover?

Tipping

Transportation

Bag Costs

Labor

Utilities

Advertising

Etc

11-4324-0015	SWD-MSW\Social Security (FICA)	1958.00	208.78	630.20	0.00	1327.80	67.81
11-4324-0016	SWD-MSW\Medicare Tax	458.00	48.79	147.32	0.00	310.68	67.83
11-4324-0017	SWD-MSW\Health Insurance	0.00	178.02	567.81	0.00	(567.81)	0.00
11-4324-0018	SWD-MSW\Retirement	784.00	145.21	290.42	0.00	493.58	62.96
11-4324-0019	SWD-MSW\ST-Disability	0.00	10.84	32.52	0.00	(32.52)	0.00
11-4324-0020	SWD-MSW\Unemployment	0.00	0.00	0.00	0.00	0.00	0.00
11-4324-0021	SWD-MSW\Life Insurance	0.00	2.47	7.41	0.00	(7.41)	0.00
11-4324-0022	SWD-MSW\Wages--Part Time	26000.00	2113.51	7632.90	0.00	18367.10	70.64
11-4324-0025	SWD-MSW\Telephone	700.00	25.00	206.89	0.00	493.11	70.44
11-4324-0026	SWD-MSW\Electric	300.00	19.32	122.02	0.00	177.98	59.33
11-4324-0027	SWD-MSW\Supplies	500.00	0.00	25.42	0.00	474.58	94.92
11-4324-0030	SWD-MSW\New Equipment	1000.00	9.04	88.72	0.00	911.28	91.13
11-4324-0031	SWD-MSW\Equipment Maintenance	700.00	0.00	0.00	0.00	700.00	100.00
11-4324-0032	SWD-MSW\Building Maintenance	800.00	0.00	0.00	0.00	800.00	100.00
11-4324-0038	SWD-MSW\Insurance	10291.00	0.00	1336.78	0.00	8954.22	87.01
11-4324-0039	SWD-MSW\Postage	150.00	10.81	30.70	0.00	119.30	79.53
11-4324-0040	SWD-MSW\Training	100.00	0.00	0.00	0.00	100.00	100.00
11-4324-0041	SWD-MSW\Uniforms	300.00	0.00	15.04	0.00	284.96	94.99
11-4324-0060	SWD-MSW\Travel Expenses	500.00	0.00	0.00	0.00	500.00	100.00
11-4324-0062	SWD-MSW\Dues	125.00	125.00	125.00	0.00	0.00	0.00
11-4324-0066	SWD-MSW\Operating Licenses	200.00	0.00	125.00	0.00	75.00	37.50
11-4324-0068	SWD-MSW\Personnel--Health Care	100.00	0.00	0.00	0.00	100.00	100.00
11-4324-0091	SWD-MSW\Landfill Fees	35000.00	3388.19	9274.81	0.00	25725.19	73.50
11-4324-0093	SWD-MSW\MSW Transportation	9000.00	1000.00	2800.00	0.00	6200.00	68.89
11-4324-0098	SWD-MSW\PAYT Bags	14000.00	0.00	9022.08	0.00	4977.92	35.56
11-4324-0154	SWD-MSW\Advertising	0.00	0.00	0.00	0.00	0.00	0.00
11-4324-0490	SWD-MSW\Internet Access	200.00	18.63	55.89	0.00	144.11	72.06
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	**TOTAL** SOLID WASTE--MSW	108741.00	8343.61	34900.98	0.00	73840.02	67.90

# Lancaster's PAYT History



Jan. 1998 – March 1999

Educated Public

Several Public Meetings on PAYT



March 1999 (Town Meeting)

Voted On – PASSED ALMOST  
UNANIMOUSLY (12 against)



July 1<sup>st</sup> 1999

Start Date

# 3 Top Recommendations

## EDUCATE

### EDUCATE, EDUCATE, EDUCATE

- Start Educating at least a year in advance of vote
- Town Officials
- What it is
- How it Works

## BUDGET

### Create Separate Budget

- PAYT Budget
- Easier To Keep Track of Costs/Revenues
- What Do You Want It To Cover

## WORK W/ PUBLIC

### Work With Public

- Answer Questions
- Help Them to Understand
- Unexpected Issues

# THE RESULTS

## MSW Tonnage Dropped

- 1500 Tons to 500 Tons per year
- Mix of Less Commercial and More Recycling

## Recycling Tonnage Up

- Roughly Doubled

Accepted Very Well Throughout



## Contact Info:

- Dennis Patnoe – Retired but still on board
- Email: [dumprat03584@gmail.com](mailto:dumprat03584@gmail.com)
  
- Brian Patnoe
- Current Lancaster Supervisor
- Email: [transferstation@lancasternh.org](mailto:transferstation@lancasternh.org)



REFILL  
**NOT**

LANDFILL

# Our Community

Upper Valley  
New Hampshire and Vermont

Upper Valley  
Population served:  
**90,000**

Co-op Food Stores  
**42,000**  
members



*Current Waste  
Reduction Focus:*

**RECYCLING**



*What if the focus was HIGHER  
in the solid waste hierarchy?*

**REUSE**

What does a focus on **REUSE**  
look like?

A Social  
Campaign:

**Refill NOT Landfill**





# Positive

## Small Steps

*Community members pledge to take one small positive step, over time reuse becomes a habit.*

## Step 1:

### Take a Pledge

- *To use a reusable coffee mug*
- *To use a reusable water bottle*
- *To use reusable grocery bags*
- *To bring lunch from home*

# What is Refill NOT Landfill?

The screenshot shows the City of Lebanon website. The header includes the city logo, navigation links for 'Your Government', 'Resident Resources', 'Business Resources', and 'Life in Lebanon', and a search bar. The main content area is titled 'Refill Not Landfill' and features a breadcrumb trail: 'Home > Your Government > Departments > Public Works > Solid Waste & Recycling > Refill Not Landfill'. The text on the page reads: 'In APRIL commit to REFILL, NOT LANDFILL. Reduce, REUSE, Recycle! During the month of April, we asked you to focus your attention on the Second "R" and look for opportunities to REUSE. Reusing items to shrink or eliminate the amount of waste that gets landfilled is becoming more important as we look to the future of waste disposal.' It also mentions 'Taking the Refill NOT Landfill Pledge' and '2019 Refill Winners'. To the right of the text is a logo for 'REFILL NOT LANDFILL' and 'COOP FOOD STORES'. A green sidebar on the left contains various utility icons like 'Agendas & Minutes', 'Forms & Permits', and 'Maps & Property Info'.

## The Campaign:

*A waste reduction social campaign, promoting reuse through small positive steps that community members can take to effect change.*



Website



Facebook



Person-to-person

# Prize Packages

*Each week, a prize was awarded to a random pledge participant.  
The prizes were comprised of products to continue reuse habits.*

**Reusable  
Containers  
Gift Bag**



**Reusable  
Lunch Containers  
Gift Bag**



# Next Steps

## Community Conversation Events

*Learning events focused on community lead waste reduction projects.*



## ReCup

*A reusable to-go coffee cup program. This was one of the first projects identified through Community Conversation Events.*



## Repair Café

*Identified through Community Conversation Events to help promote reuse and impact waste reduction in our community.*



## Workshops

*The Green Shopping Initiative provides additional positive steps to help eliminate waste in the shopping process...before it enters the home.*



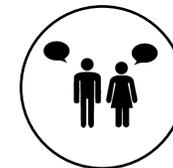
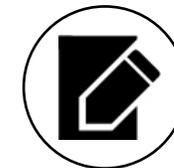
# Community Conversations

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Bringing community members together to identify and lead waste reduction initiatives.

- *Start with a learning opportunity*
- *Facilitate conversation*
- *Create opportunities for multiple levels of involvement*



# Repair Café

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**Volunteer-lead events giving community members the opportunity to extend the life of everyday products instead of disposing of them.**

## Quarterly Events

- *Bike repair*
- *Appliance/small engine repair*
- *Clothing repair*



*Example: Repair café, Washington*  
Photo Source: Herald Net



*Example: Repair café, Charlotte, Vermont*  
Photo Source: The Charlotte News



# Workshops

## Green Shopping Initiative



- 
- *Provide strategies*
  - *Quick tips*
  - *Answer questions*

# ReCup Program

*A reusable to-go coffee cup program, working toward eliminating **29 tons** of disposable coffee cups that end up in the Lebanon Landfill.*



## How it works

- *Customers pay a deposit to participate*
- *Use a provided reusable to-go coffee cup*
- *Return the used cup and swap it out for a sanitized cup*



## Charging for Disposable

*Lebanon-based independent café, Lucky's Coffee Garage, is charging 25¢ per disposable to-go cup in an effort to reduce waste.*

## Phasing Out Plastic Bags

*The Co-op no longer has plastic shopping bags available for customers and are promoting reusable bag options to customers.*



# What's Next?



*Investigation into possible expansion of the ReCup program to include reusable to-go containers for food service organizations*



*Evaluating impacts of COVID on reuse options and overcoming barriers*



*Planning 2022 Refill NOT Landfill campaign*



## Recommendations for Getting Started

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### Find a Partner

- *Look for nonprofit organizations, businesses, or groups of like-minded residents*
- *Partners need to be willing to spend time on initiatives, to “put some skin in the game”*



# Measure Success

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**280**

Pledge participants

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**224**

Engagements  
on social media

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**60**

Community conversation  
participants

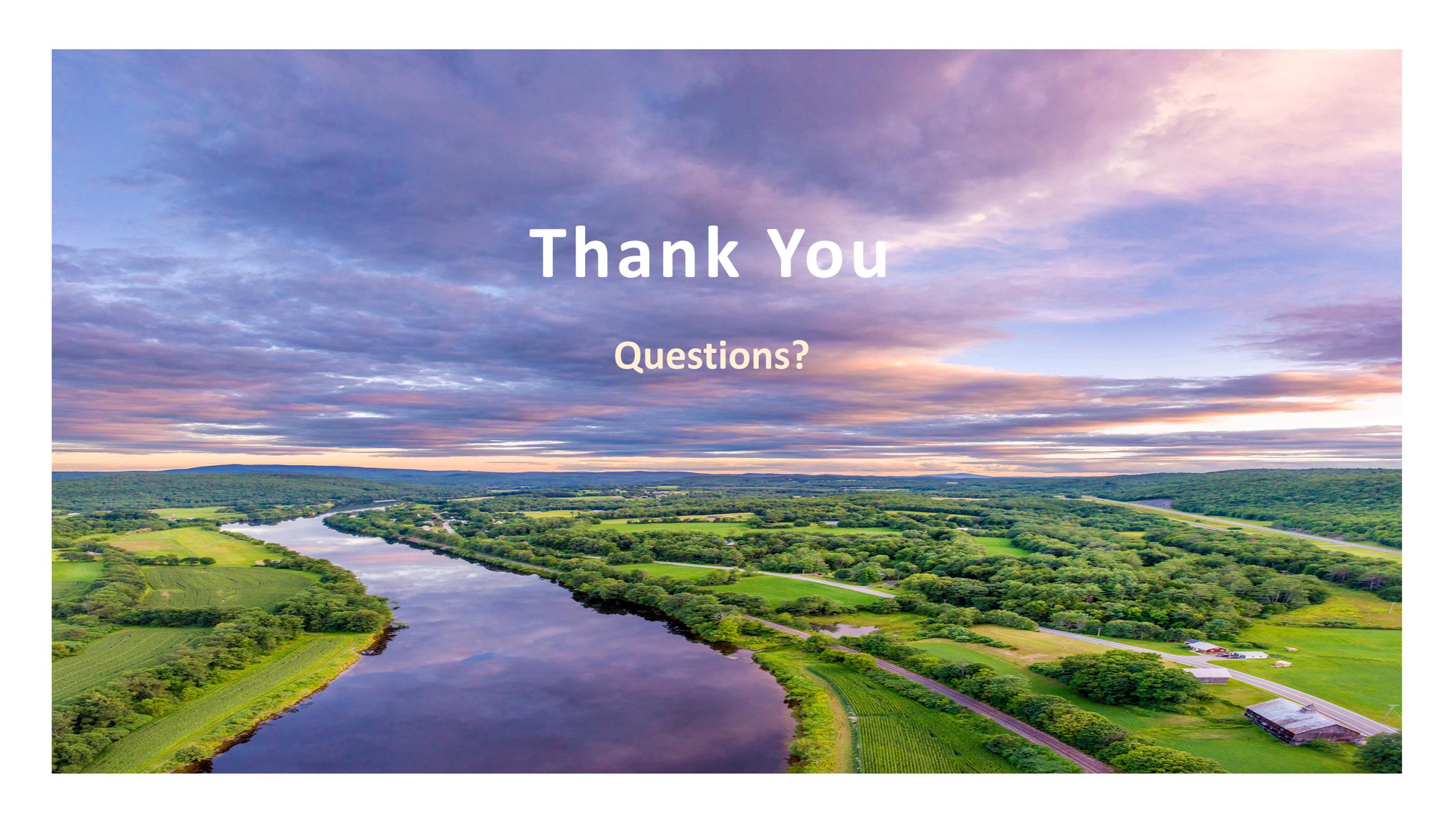


## Moving The Needle Forward

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*Each opportunity for community members to engage by learning, discussing, or practicing reuse, moves us closer to our shared goal of waste reduction.*

An aerial photograph of a wide river valley during sunset. The sky is filled with dramatic, colorful clouds in shades of purple, blue, and orange. The river flows through the center of the valley, reflecting the sky. The surrounding landscape is lush with green fields, forests, and some buildings, including a large barn in the lower right corner. The overall scene is peaceful and scenic.

Thank You

Questions?

Joan Cudworth  
Director of Public Works  
Hollis, NH





# Hollis, NH

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Recyclables |



Public Education

Where does my recycling go?



# Fun with advertising





Transparency





Food Scraps



A large pile of composting material is contained within a concrete-lined bin. The pile is composed of dark, rich soil, decomposing organic matter, and various types of waste. In the foreground, there is a significant amount of food waste, including several whole and partially eaten apples, orange peels, and other vegetable scraps. The pile is also filled with dry leaves, twigs, and some pieces of plastic and paper debris. The bin is constructed from concrete blocks, and the background shows a natural, somewhat overgrown outdoor setting with dry grass and some green plants.

# Composting