

NRRA M.O.M Meeting 9-14-22

USDA Grant
SWAT (Solid Waste Advisory
Team)
Visit Summary



SWAT –
Participating
Members
based on
population under
5,500 and Median
Household Income
(MHI)

Goshen NH Pop. 822

Newbury NH Pop. 2,193

Tamworth, NH Pop. 2,918

Bristol, NH Pop. 3,124

Thornton Pop. 2,708 (Campton
Pop. 3,343 /Ellsworth Pop. 93)

Lessons Learned from SWAT Visits

Common Challenges amongst 5 communities:

- Traffic flow
- Increasing recycling/decreasing waste
- Densifying scrap metal & construction debris
- Storage options

Lessons learned....

NRRA experienced the following challenges:

- Recruitment of 5 municipalities to participate in 2 on-site visits
- Recruitment of 2 of these municipalities to participate in the 2 hour Full Cost Accounting (FCA) exercise
- Scheduling SWAT Visits (initial and follow-up visit w/ SWAT team)
- Getting everyone on the same page with priorities i.e., facility staff, town officials & recycling committees

Goshen – SWAT Team “Members helping Members”

- Mike Monette, Steve Monette & Tim Spaulding, Cornish, NH
- Brian Patnoe, Lancaster, NH
- Susanne Simon & Tim Cole, Thetford, VT
- Vanessa Keith, Unity, NH

Also:

Transfer Station operators, Town officials & NRRA staff



Goshen - Priority Areas for Improvement

- How to increase recycling?
- How to better capture C&D disposal fees?
- Should Goshen separate cardboard from mixed paper?

Goshen – SWAT Suggestion:

- Separate Cardboard from Mixed Paper for higher revenue
i.e. July pricing for loose cardboard was \$63/ton higher than for mixed paper
- Great educational idea – T.S. sign stating that 17 tons of fibers recycled was the size of the Goshen Town Hall - putting tonnage diverted from the waste stream into great perspective!

Newbury – SWAT Team “Members helping Members”

- Myron Kuhre, Mike Monette, Steve Monette & Tim Spaulding, Cornish, NH
- Chris Scott, Grantham, NH
- Brian Patnoe, Lancaster, NH
- Vanessa Keith, Unity, NH
- Also: Transfer Station operators, Town officials & NRRRA staff



Newbury – Current Facility Challenges

- How to improve traffic flow/congestion?
- How to better recycle mixed paper/commingled plastics?
- How to densify C&D (construction & demolition debris) and scrap metal?
- How to recycle more?

Newbury – SWAT Suggested Solutions

Suggestion: Purchase a used backhoe for pushing down scrap metal and construction debris to cut down on # of hauls

- Result: This will be put before Town in March 2023 vote!

Tamworth – SWAT Team “Members helping Members”

- Meghan Theriault, Gilford, NH
- Brian Patnoe & Dennis Patnoe, Lancaster, NH
- Ken Filpula, Moultonborough, NH
- Carol Burgess, Wilton, NH

Also:

Transfer Station operators, Town officials & NRRA staff



Tamworth – Proposed Facility Design Review

- On current site
- New recycling building
- Expanded traffic flow
- New Baler
- Huge effort in raising funds
 - \$493,000 USDA Grant
 - \$125,000 Tamworth Foundation Grant
 - Town – Financial Support 2021 -2024

Tamworth– SWAT Suggested Solutions

- **Short Term: Continue Collecting**
- Aluminum Cans
- Cardboard or OCC
- Glass
- Steel Cans
- **Long Term: Add to Collection**
- Mixed Paper
- Plastics
- Compost

Bristol – SWAT Team “Members helping Members”

- Craig Moore, Ashland, NH
- Shauna Goutier, Sanbornton, NH
- Scott Hazelton, Sunapee, NH

Also:

Transfer Station operators, Town officials & NRRA staff



Bristol – Single Stream to Source Separated: Next Steps

- How do they improve loading dock?
- Would a scale be a good option for Bristol?
- What economical storage would work best for Bristol?
- What would the next baled item be (after Cardboard)?

Bristol – SWAT Suggested Solutions for Next Baled Item after Cardboard

Aluminum Cans!

- Bristol stored loose aluminum cans in a spare 30-yard rolloff until they felt had enough for a horizontal bale (result – ½ of 30-yard rolloff)
- Next commodity – Plastics!

Bristol NH – Lines and Cardboard Recycling



OPEN NOW
CARDBOARD RECYCLING

CORRUGATED ONLY 3 FT x 3 FT

DOUBLE WALLED (with ribs) ONLY

MUST BE FLATTENED

YES

MUST BE CLEAN AND DRY

NOT ACCEPTED

**NO SINGLE WALLED CARDBOARD
NO CEREAL BOXES, NO SODA CAN CARTONS,
NO WAXED CARDBOARD, NO PIZZA BOXES**



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CA

NO
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NEW H





Thornton – SWAT Team “Members helping Members”

- Craig Moore, Ashland, NH
- Steve Bean, Littleton, NH
- Varick Proper, Warner, NH

Also:

Transfer Station operators, Town officials & NRRA staff

Thornton - Challenges

- How to improve traffic flow?
- How to increase their recycling rate?
- How to improve facility safety for operators and residents?
- What economical storage would work best for Thornton?

Thornton– SWAT Suggested Solutions for Traffic Flow



Full Cost Accounting (FCA)

– Newbury NH and Bristol NH (pending)

- Results for Newbury, NH: (w/cost avoidance factor of \$108 per ton)

UNIT COSTS			Total Solid Waste Costs	Landfilling	C&D	Recycling (1)	Composting (2)
17	Tons Processed		1,254	822	202	230	-
18	Net Cost, \$/Ton		\$ 290.49	\$ 300.80	\$ 339.67	\$ 102.55	\$ -
19	Per Capita		4,000				
20	Net Cost Per Capita		\$ 91.06	\$ 61.84	\$ 17.12	\$ 5.90	\$ -



What's Next?

- More Full Cost Accounting (next grant proposal)
- Recycling Tools of the Trade (starting in October)
 - Waste Reduction Toolkits
 - Recycling 101 Education
 - Recycling Partnerships

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