Lakes region Solid Waste Roundtable Regional Solid Waste Options March 30<sup>th</sup>, 2017 NOTES

## Roundtable Introduction:

- Solid waste management
  - o Different opportunities

## Presentations:

- Talking Trash
  - o NRRA
  - Schools
  - o China
  - Sending money to landfill
    - \$6.5 billion/year
  - Municipal Solid Waste
    - Fees with C&D
- Pemi-Baker Solid Waste District
  - o Pemi-Baker Recovery Committee
  - Create a regional recycling facility
  - o 501c3
  - o 5 meetings/yr
  - o Dues based on tonnage and population
  - Conduct two HHW collections and two fluorescent bulbs collections (from towns)
  - HHW FT population + ½ seasonal units x 2.4 persons/HH
  - o Expansion of the Bethlehem landfill is off the table
  - o Bylaws govern adding new towns
  - Waste Disposal & Hauling Contracts
    - 5 & 10 year contracts with NCES and Casella for trucking and tipping
    - Towns are not locked in
- > Tuftonboro Transfer Station
  - Non-mandatory recycling town
    - About 80% do recycle
  - o NRRA
  - o Money loss in Transportation
  - o Background military

- Managing people
- Improved compression
- Recycling should be dropped off first
- Met with many others in the business
- Learned how to protect against fluctuations
- o Use container for electronics, not Gaylord to reduce likelihood of injury
- Efficiencies of movement
- Have 3 FT and 3PT employees
- 2010 Total Budget \$325Kwith revenue of \$40K, 2016 Total Budget \$278K with revenue of \$75K
- Consistent
- Monthly briefings to Select board
- Communicate with the public about dollars
- Seem to have reached maximum efficiency
- Transportation and commodity costs are the major elements
- How can we improve efficiencies? Storage of materials and timing sales to vendors. Keep looking at the rates.
- TS is the only revenue-generating department in town.

## > NRRA

- Recycling rate of 33%
- o Charges, Payments, and Alignments
- Charges and Invoicing
- Prices are tied to the price of oil
- Fees to avoid
- o Time required to check all the numbers
- o Time or tonnage
- Need to keep track of the market long term so you can maintain a relationship with vendors and need to enable the vendor to remain in business

# Regional Waste Disposal Issues & Opportunities:

### Local Policies

- Gilford-
  - About to build a transfer station
- o Tamworth-
  - Working with a scrap metal business in town
- Bridgewater-
  - Mandatory recycling
  - Page throw system
  - Vertical bailer
  - \$5/bag in dumpster

- Encourages to recycle
- Schools recycle which gets back to households
- Separated by type
- 2 FT & 1 PT staff
- Construction and debris (C&D) is ground
- Uses incinerator

### Ossipee-

- Mandatory Recycling
- Separation of waste
- 1 horiz. & 2 vert.
- Uses Casella
- NRRA & BJ

### Franklin-

- Mandatory Recycling
- Burn waste oils
- Bulbs and electronics collected throughout the year

### Sandwich-

- Single stream recycling
- Cardboard is held out and handled locally

## o Northfield-

- Single stream curb side recycling
- Curbside pick-up (1,200 stops) this has reduced staff and hours and improved traffic flow
- Looking for other options down the road.

#### Andover-

- Single stream recycling
- Uses the Plymouth facility

## Moultonborough-

- Single stream recycling
- Everything in one compacter
- Efficiency improvement
- 50% increase in facility use
- Recently shifted from source separation to single stream
- Leading to efficiencies
- Including much better traffic flow

### o Tilton-

Curb side pick-up

- Transfer station 6 hours a week
- Have amnesty week

### Additional concerns

- Objective is to get things into the trash and out of the lake
- 9 pounds of plastic in household to 120 pounds in plastics
  - Easier to get rid of paper than plastic
- O Get number of tons of trash from restaurants, health centers, ect., in towns that have seasonal people or tourist. Instead of households.
- Characterize which towns are using what transfer systems
  - Single stream
  - Source separated
- Reducing the waste in the first place, especially using paper as opposed to plastics.
- When considering pricing for multi-town efforts, the amount of waste generated over the last two years should be the controlling factor, not population or housing units.
- Consider having a variable burden of payment based on the nature of the business

### Steps forward

- Groups (such as this one) should put pressure on the legislature to reduce the amount of plastic waste, especially films (plastic bags).
- Outreach and education to school groups can be very effective
- Explore establishing a Solid Waste District to help communities pool resources
  - Storage and sale of materials, reducing the impacts of transportation and market timing
  - Curbside pick-up contracts, increasing volume and reducing the impacts of transportation
- Compile a database listing the pertinent characteristics of facilities and capabilities, including
  - drop-off type (single stream, source separation voluntary or mandatory recycling, or pay-as-you-throw)
  - number of balers vertical and horizontal
  - augers
  - tub grinders
  - [Note that some of this is in process.]
- o Municipal composting
  - Municipal level
  - Farmers
- Tuftonboro storage shed

- Solid waste district feasibility study
- o Florescent collection day
- Legislative Initiatives
  - Paint Stewardship
  - Plastic bags
- o School Recycling Programs