

Welcome

Thank you for being here.

Tamworth, NH
Transfer Station Improvement
Committee

Public information meeting

February 8, 2022

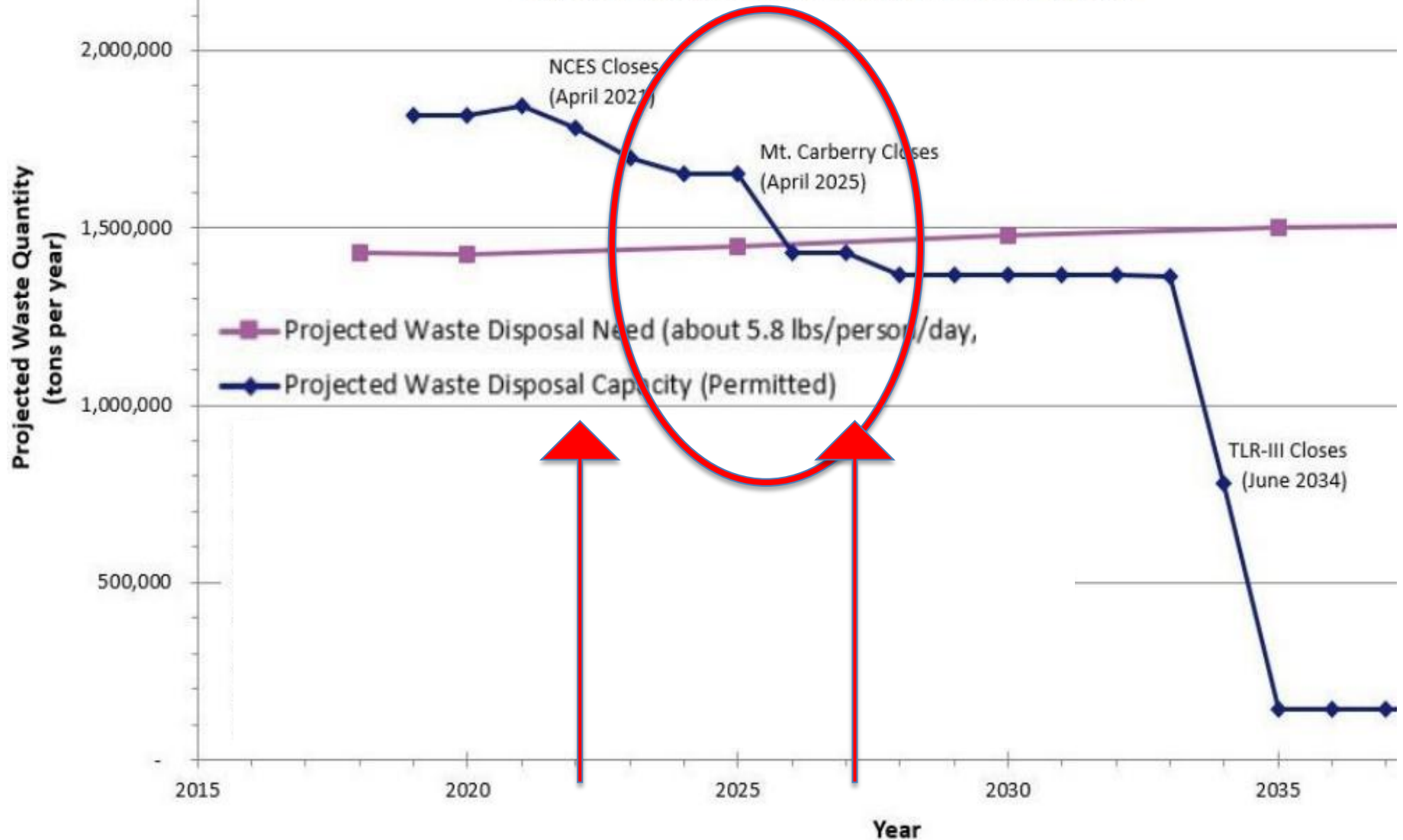
Runnells Hall

6:30 PM

NH Has a Waste Disposal Crisis

NH Projected Waste Disposal Need and Capacity (2020 - 2040)

Source: NHDES 2019 Biennial Solid Waste Report



New Hampshire's New Solid Waste Reduction Goal

“...to reduce the quantity by weight of solid waste disposed by 25 % by the year 2030, and by 45% by the year 2050”

HB 413, passed in August 2021

Present operation at the transfer station

- The facility is open 3 days, 24 hours per week.
- Staff: One full-time supervisor (40 hours per week) and two part-time employees (24 hours/week each), totaling 88 hours/week.
- Staff responsibilities:
 - Hand-stack cardboard (OCC)
 - Run aluminum can crusher and transfer to container
 - Run tin can compactor
 - Check and push back glass in container
 - Monitor and run the MSW compactor and change out when full
 - Chip brush
 - Receive and assess fees for:
 - electronics, refrigeration, tires, construction and demo
 - Compact the heavy metal and construction dumpsters
 - Assist the public in where items should be placed
 - Keep records and schedule trucking of containers
 - Maintain the equipment and keep the facility open.

Why are Transfer Station Improvements Important for Tamworth?

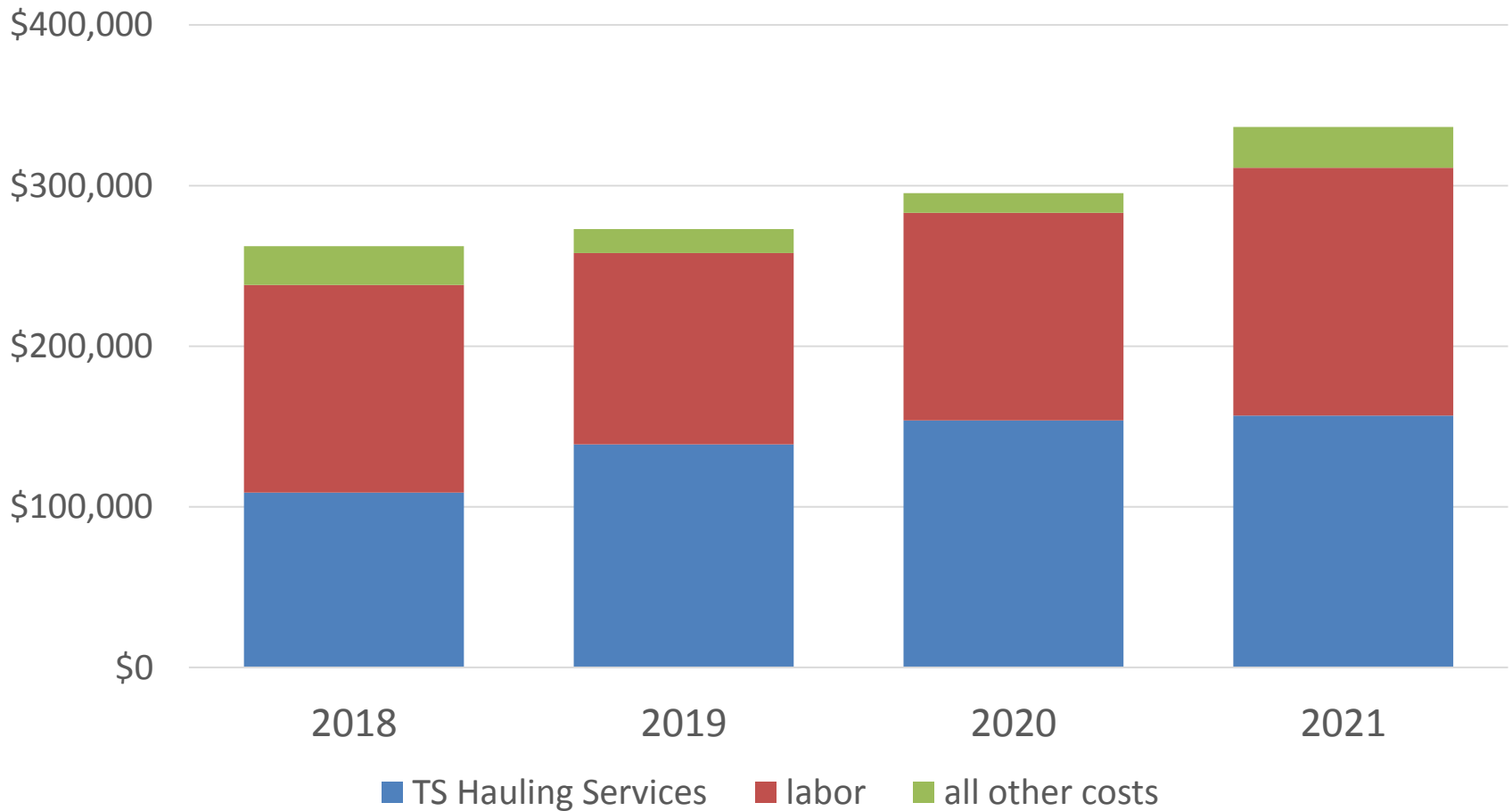
The challenge:

- Cost of disposal of materials is rising
- Landfill space is rapidly dwindling
- Cost of trucking is increasing

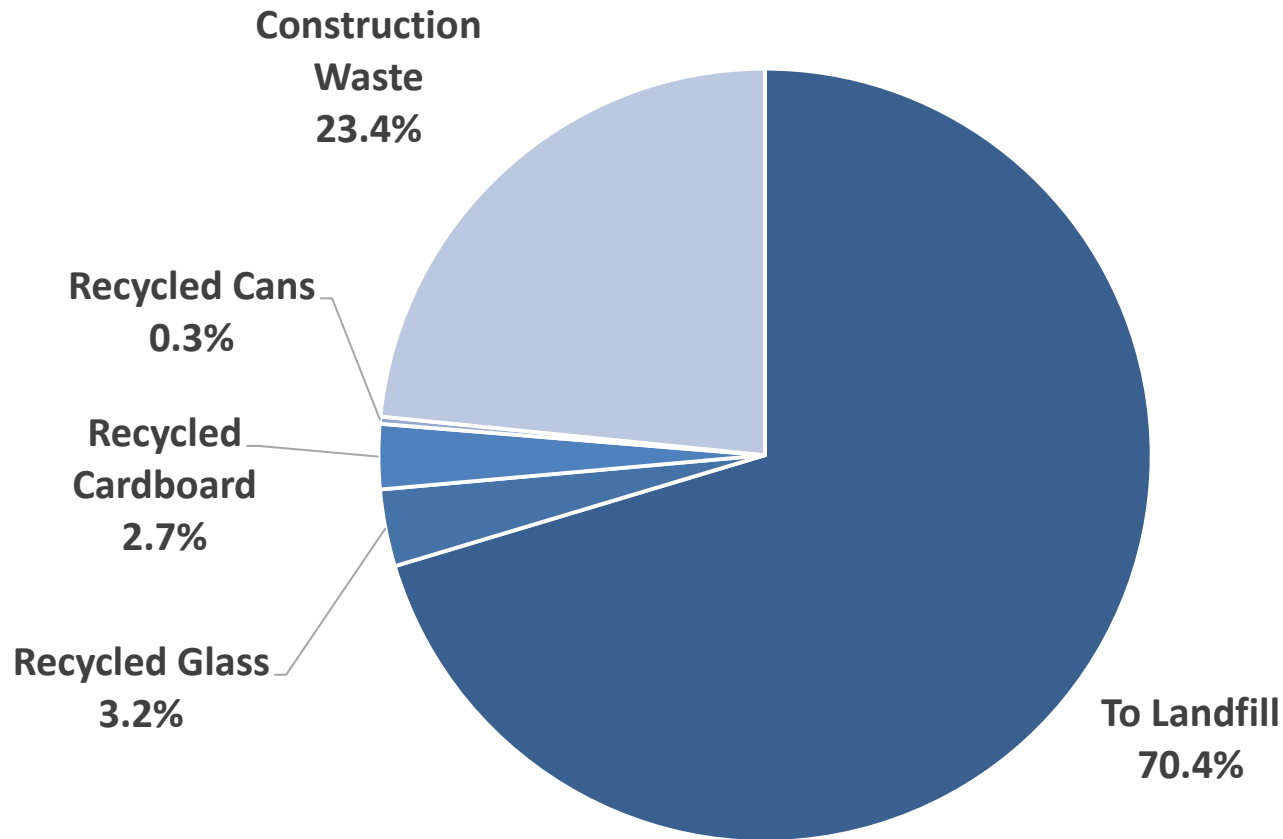
The opportunity:

- We can save on trucking and landfill costs
- Recyclables can generate revenue
- It's good for the environment

Tamworth transfer station costs are increasing

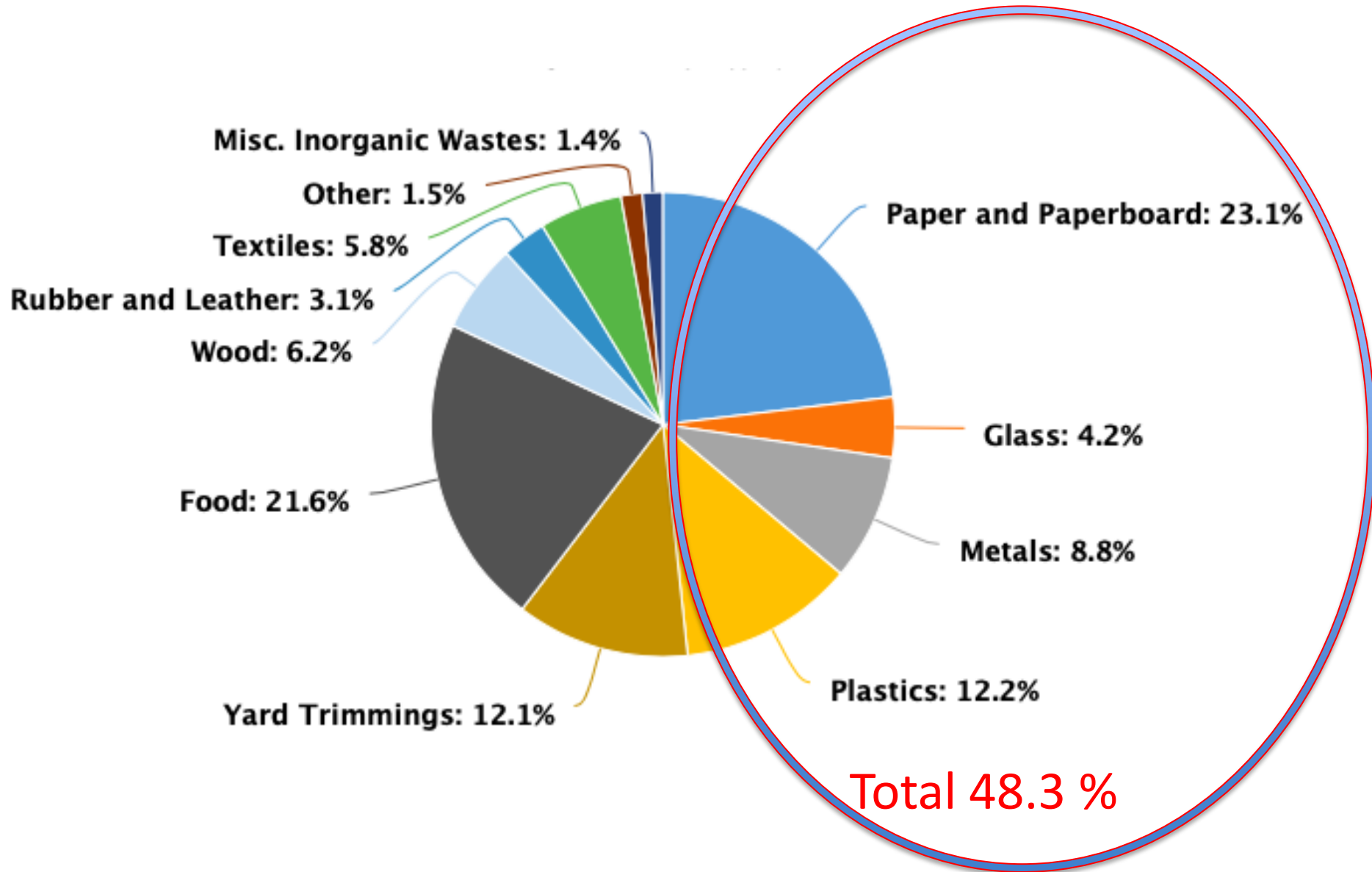


Tamworth Only Recycles 8% of Its Municipal Waste (6.2% of all waste, including construction)



What's in our trash?

(EPA, 2018 figures) our trash may vary



Tamworth could recycle more

Using the EPA figures, the **1,060 tons** of trash we collected in 2020 included:

- 245 tons of paper and paperboard
 - 129 tons of plastic
 - 44 tons of glass
- } 40% of our waste
could be
recycled!

(And 229 tons of food- which could be reduced with more home composting)

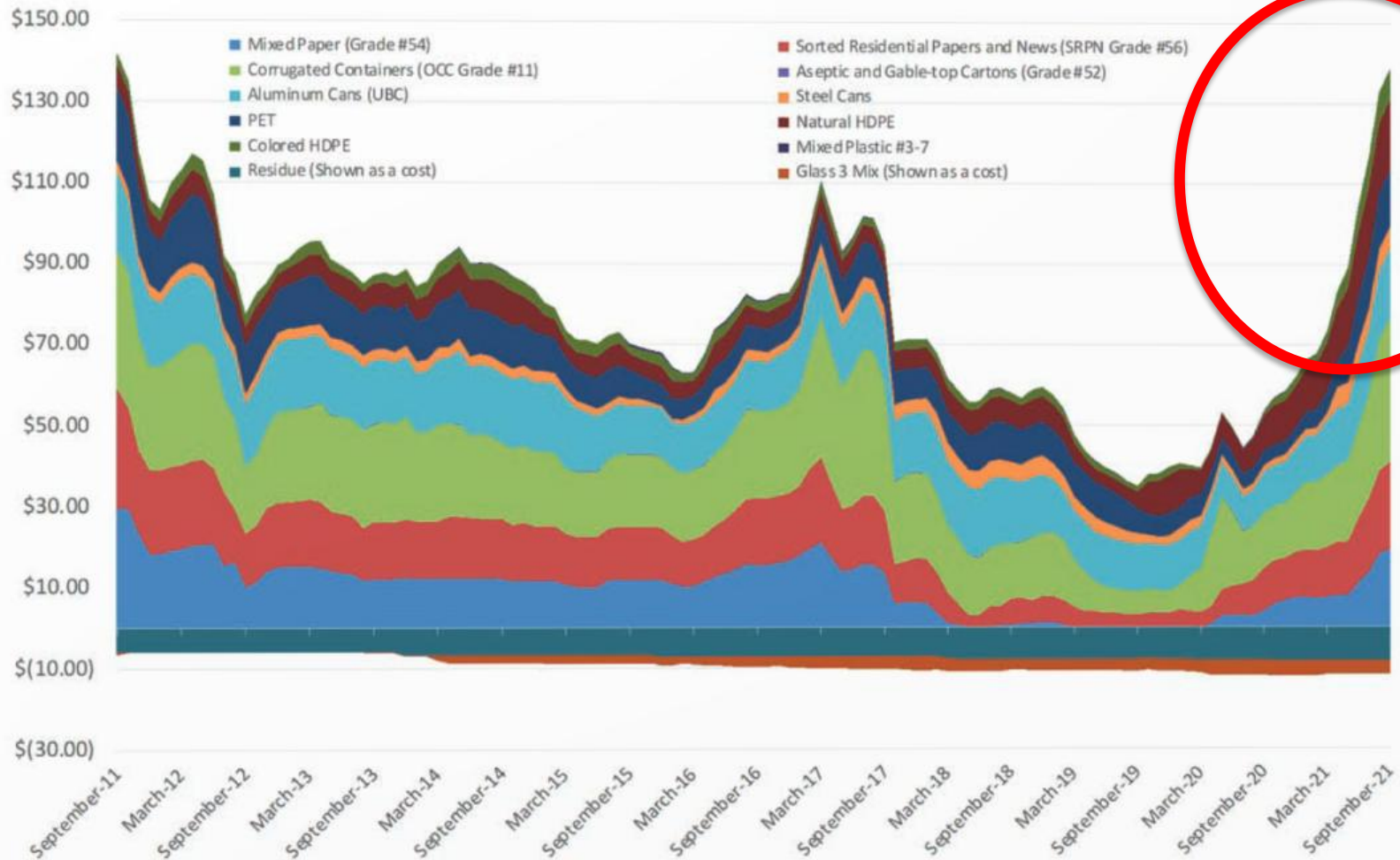
Disposing of our trash costs money



Baled commodities are worth money



Revenues from Recyclables are at a 10-Year High



Baled Recyclables Higher Value

Item	Loose/Ton*	Baled/Ton*
Aluminum Cans	\$1,240	\$1,580
Steel Cans	\$90	\$151
Cardboard (OCC)	\$100 minus trucking	\$154
Mixed Paper	\$30 minus trucking	\$74
Newspaper	\$125 minus trucking	\$176
Mixed Plastic #1-7	(\$113) plus trucking	\$80
#2 HDPE Natural (milk jugs)	(\$60) plus trucking	\$1,010
#2 HDPE Mixed Color	(\$60) plus trucking	\$396
#1 PET (water and soda bottles)	(\$60) plus trucking	\$388
Note: Trucking cost in 2022 are \$385 per load		
* Prices from NRRA 2-1-2022		

Loose Recyclables  Higher Trucking Cost

How do we save taxpayer dollars?

1. Remove as much as we can from Municipal Solid Waste (MSW) and find a market for it— or a less expensive way to dispose of it.
2. Invest in recycling and efficient operations.

What we envision

Building and equipment:

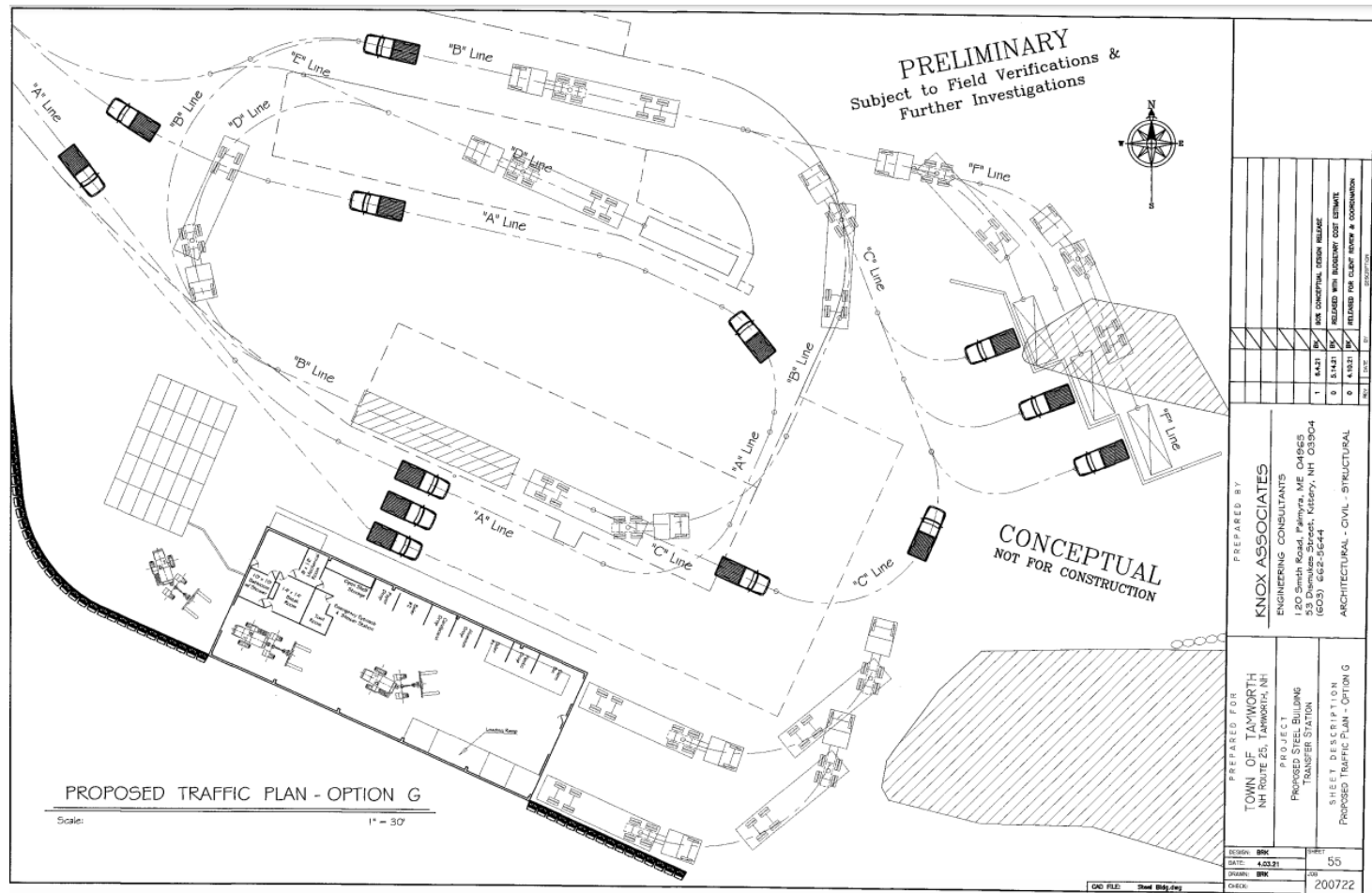
- A Recycling Facility with equipment for sorting, baling, and storing recyclables
- Truck scales to accurately assess fees, maximize revenue to town

Estimated Benefits:

- Revenue from sale of baled recyclables: \$20k
- Savings from diverting 366 tons of waste from landfill: \$39k

Net annual cost savings: \$59k

Proposed Transfer Station Improvements/Recycling Center



Proposed Improvements

- A new recycling building
- Equipment to bale and move commodities
- Space to store the baled commodities
- Better roll-off area for Construction & Demolition and heavy metal items
- Truck Scales – to accurately assess fees
- Eye wash station and emergency shower
- New MSW compactor

Tamworth's Recycling Vision for 2025

With a new recycling facility we could be...

- Recycling additional items – plastics, mixed paper, newspaper, etc.
- Baling recyclables to get a better price
- Saving money from avoided landfill costs
- Generating revenue from sale of recyclables
- Contributing to NH's goal of reducing trash going to landfills

Project Costs

- Development and Construction \$ 1,066,000
- Permitting/Architect/Engineer \$ 75,000
- Equipment/Furniture \$ 141,000
- Contingency 10% \$ 128,200

Total

\$ 1,410,200

Equipment costs

Horizontal baler	\$100,000
Forklift class 4	\$26,000
Material handling carts	\$6,500
Shelving	\$3,000
Heated Emergency eyewash and shower	\$3,500
Office, break room, miscellaneous	<u>\$2,000</u>
Total	\$141,000*

* From research 5-12-2021

Project Funding

Source	Costs	Revenue
Total project cost	\$1,410,200	
USDA Grant (35% of cost)		\$493,570
Transfer Station Capital Reserve		\$93,250
Other Grants (to be raised to offset the 3 year expense of \$823,380)		\$?????? Hope \$200-300,000
From Taxpayers over 3 years (\$274,460 per year)		\$823,380

Estimated added costs of operation of the new facility

Baler maintenance	\$1,000 per year
Baler wire	\$1,200 per year
Fork lift maintenance	\$1,000 per year
Building maintenance	\$1,500 per year
Other	<u>\$1,000 per year</u>
Estimated total additional costs	\$5,700 per year

Additional cost \$5,700 per year

One additional part-time person at \$20,000 per year if needed

What has been done so far

June 2020: BOS Request For Proposal for conceptual plan for new recycling facility

August 2020: Tamworth Foundation granted \$11,752.50 for plan

September 2020: Select Board hired Bruce Knox Professional Engineer for plan

May 2021: Town Meeting appropriated \$100,000 for Capital Reserve for transfer station improvements.

July 2021: Select Board appointed Transfer Station Improvement Committee (TSIC)

December 2021: Interim report to Select Board from TSIC

January 2022: Applied for a USDA Grant of \$493,570

January 2022: Presented cost information at budget hearing

February 2022: Informational Meeting

Next Steps

_____Continue applying for grant funding

_____March 2022: Request \$274,460* in a warrant article and commit the town to same amount in 2023 and 2024 (2/3 vote will be required) **NOTE: Any additional grant would reduce this amount*

_____Select Board hires engineer to finalize project

_____May 2022: Put the project out to bid

_____Fall of 2024: Completion of project

Warrant Article for Town Meeting 2022

"To see if the town will vote to approve improvements to the transfer station to provide a safe working environment to employees and to the public using the facility, and optimize recycling, manage waste responsibly, and save the town money, at a cost not to exceed the sum of \$1,410,200, payable over a term of three (3) years; with \$493,570 to come from a USDA grant applied for, and \$93,250 to come from the Capital Reserve previously established; and further to raise and appropriate the sum of \$224,460 to come from taxation and \$50,000 from the unexpended fund balance for the first year's payment. In each of the following two (2) years, the appropriation of \$274,460 will be contained in the operating budget, with \$224,460 to come from taxation, and \$50,000 from the unexpended fund balance in each year. All said funds to be placed in the Capital Reserve previously established. The \$823,380 amount to be off-set by other grants applied for. If the USDA Grant is not received this article shall be null and void.

This is a special warrant article. (2/3-majority vote required.)"

Thank you for attending

Questions?