

Gilford Solid Waste Center

Challenges and Successes of Converting to Source Separation From Single Stream Recycling

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TOWN OF GILFORD

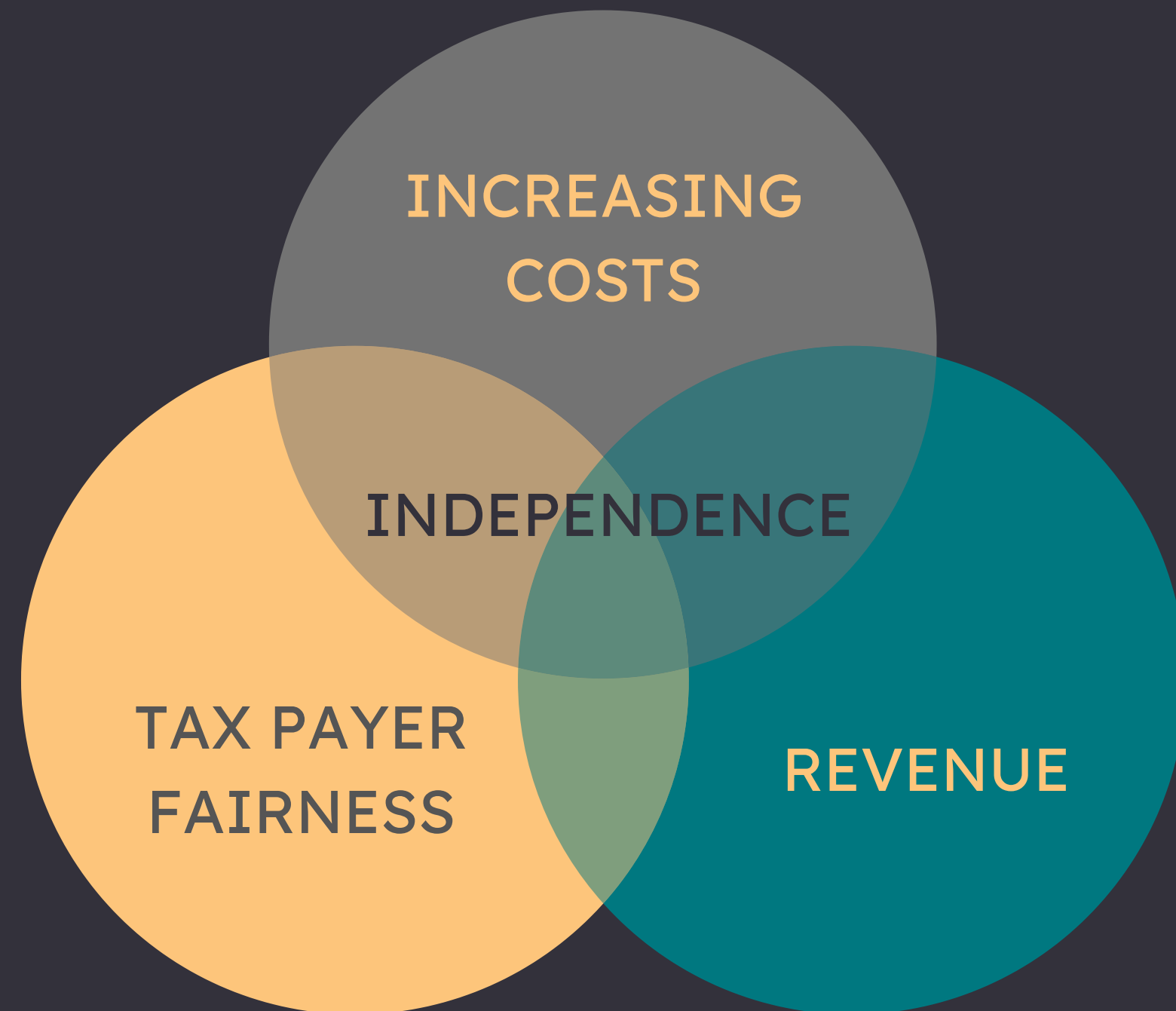


Where we started

- Laconia - Municipal Trash
- Gilford - Loose source separated recyclables
- Possible new CRSWC single-stream facility
- 2011 Start single-stream *experiment*
- Continued due to convenience even after new facility concept fell through



Why Change?



Solid Waste Committee

Meetings

- Explore all avenues to save money on municipal solid waste processing

Tours

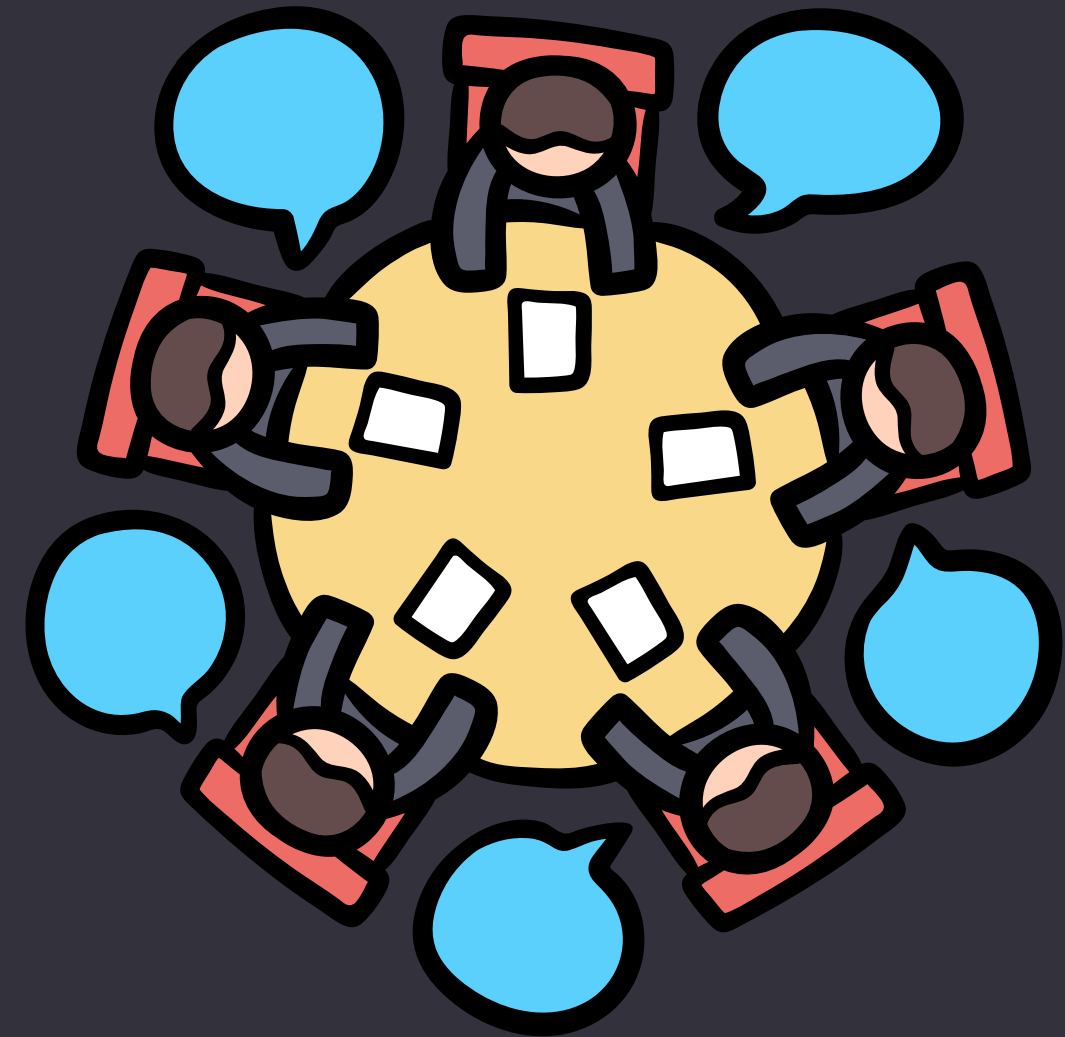
- Visit several solid waste centers in NH.

Discussions

- Talk with other professionals, Towns, staff

Comparisons

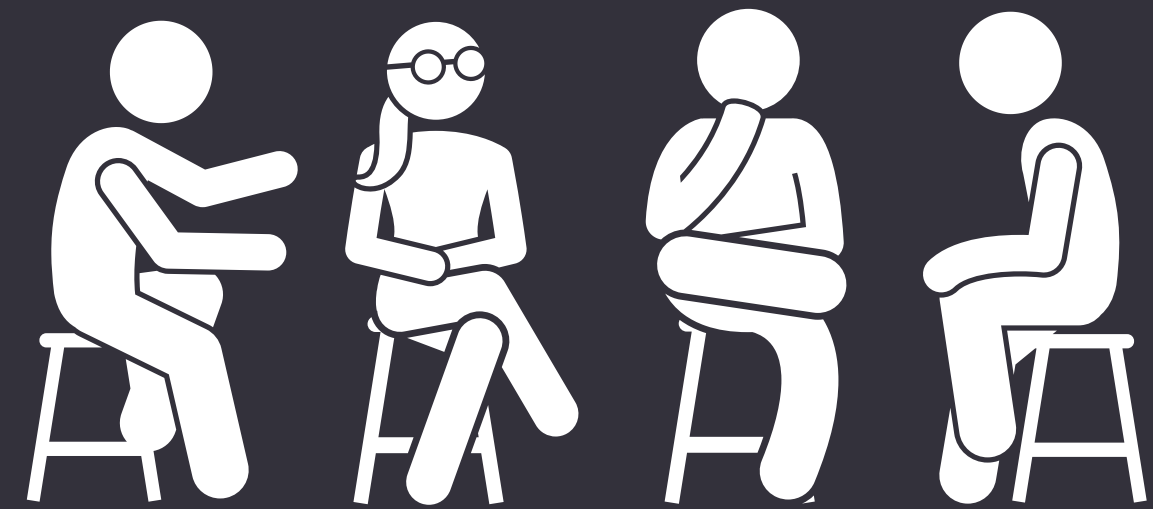
- Pay as you throw program
- New facility
- Curbside pickup



Final Report to BOS

*Single-stream is NOT cost effective

*Town needs to have own 1-stop facility



SHORT TERM

- ☒ Pull cardboard out of single stream and collect loose.
- ☒ Hire engineer for design/permit of new facility capable of handling all non-haz solid waste streams.
- ☐ Buy baler, storage bins and glass crusher.

LONG TERM

- ☒ Develop plan for solid waste disposal at end of CRSWC contract.
- ☒ Evaluate Laconia-Gilford regional SW district.
- ☒ Single phase construction of new transfer station.
- ☐ Expand current recycle center only to collect more recyclables



Change Doesn't Happen Overnight



2014

Committee > Findings

Create Committee , hold meetings, tours and make recommendations to BOS.

2016

Engineering > Bidding

Preliminary & final design, cost estimates, warrant article and solicit bids for construction.

2018

Construction > Educate

7/2018 - Start construction.
2/2019 - Addt'l warrant article
11/2019 - Finish site work, hire new staff, start public education campaign.

2020

Open Facility

Opened Jan 2, 2020
Instant success!

Challenges



🙄 Conflicting Opinions

- Committee members with differing backgrounds

😬 High Costs

- Only one construction bid
- Higher costs than anticipated for construction, equipment and electrical needs
- Additional warrant article needed

😬 Oversights

- Site drainage issues / exterior bathroom
- Concrete pad needed for office building relocation
- No breakroom for staff (unheated building)
- Truck scale



Challenges

COVID

- Pandemic hit only a few months after opening

Staffing

- Two very recent employee departures
- Quickly hire new staff to open
- Understaffed from beginning - had to request increased staffing at BOS
- Union contract

Storage

- Interior of building was not big enough to store tractor trailer loads of four (4) different recyclables
- Store overflow outside / not under cover
- But additional high cube storage trailers

Equipment

- Manufacturers defect & electrical issues with baler

Successes

😊 Public Education Campaign



www.gilfordnh.org/recycleright



Successes

😊 Revenue from Baled Recyclables (since opening)



MIXED PAPER

\$7k+



ALUMINUM
2 YRS

\$20k+



PLASTICS

\$12k+



CARDBOARD

\$42k+

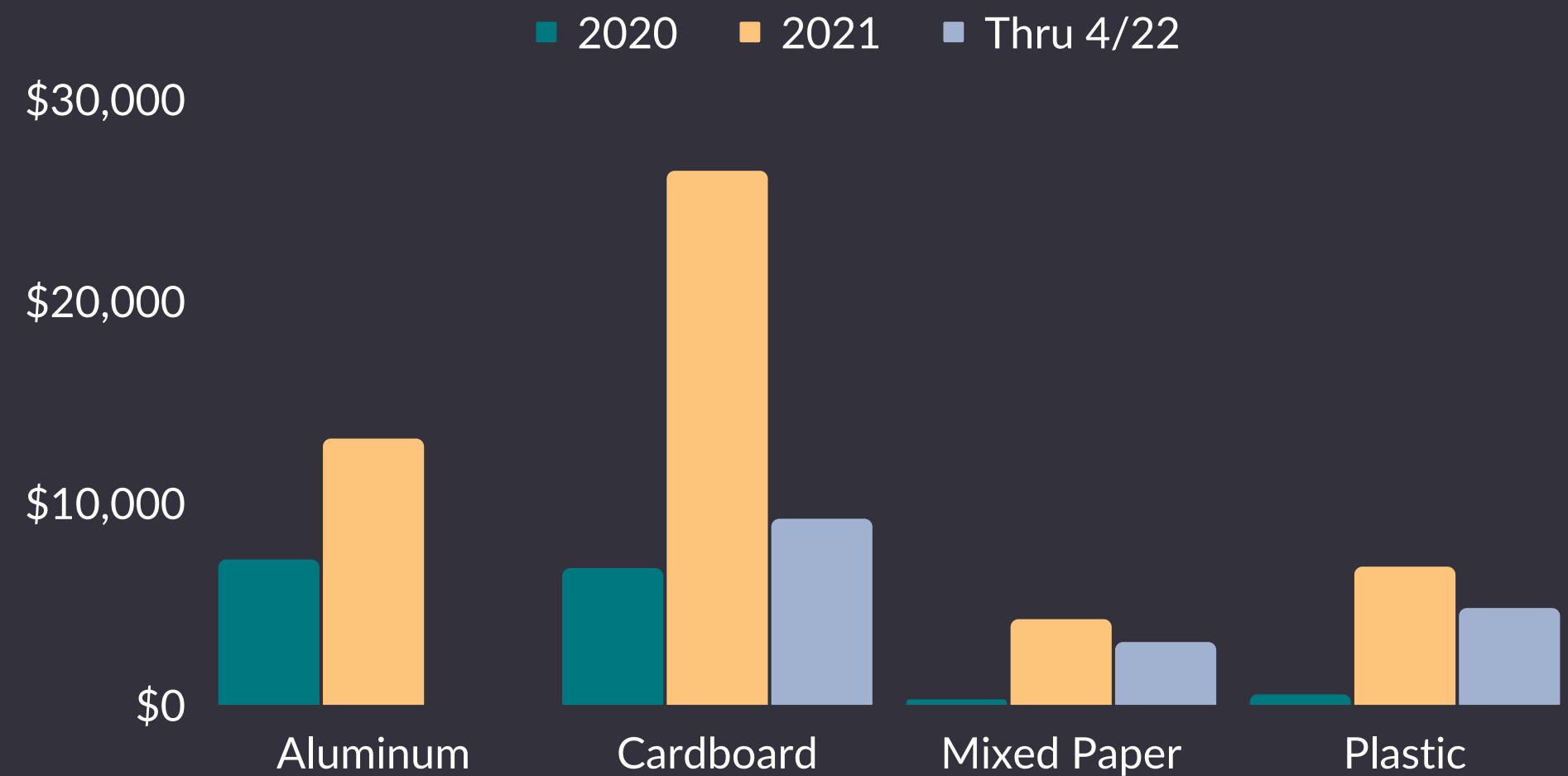


Successes

😊 Increases in Market Values



| | |
|-----------------------------|---------------------------------|
| Aluminum \$790-1,340/ton | Cardboard \$45-195/ton |
| Plastic \$32-210/ton | Mixed Paper \$(30)-\$105/ton |



Successes

Positive Feedback

"I never thought I would love going to the transfer station this much! It is such an enjoyable experience!"


"Everything is so easy to use. The staff are super helpful and nice. I look forward to going every week!"





Successes

Reduced Contamination



 **Gilford Department of Public Works** ▸ [Gilford, NH Community](#)
September 23, 2020 · 🌐

RECYCLE RIGHT UPDATE – PLASTICS
From January to August Gilford residents recycled over 32,000 lbs of plastic!! The Solid Waste Center Attendants baled this material weekly and loaded 35 bales onto a tractor-trailer headed for Trigon Plastics in PA. The average weight of EACH bale was 929 lbs and contained Plastic 2 5 and 7. But the best news...even with the recycling markets being low, the Town was able to make a small revenue on this shipment.
So far this year the ... [See more](#)





Succeses

Truck Scale and Swap Shop Addition



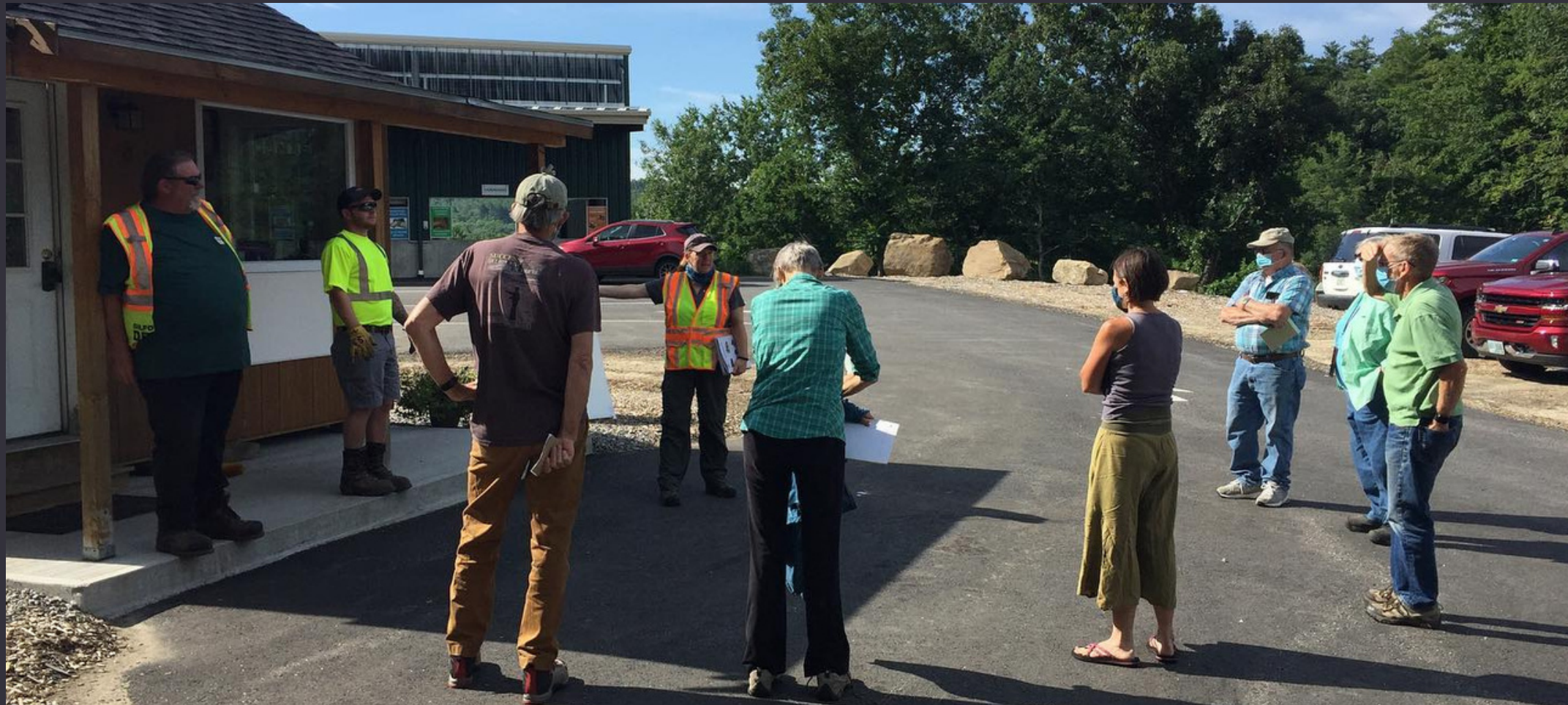
GILFORD SWAP SHOP

All donations must be clean, complete, and in good working order. Donations will only be accepted if capacity is available.

- NO** ELECTRONIC DEVICES
- NO** BEDDING OR LARGE FURNITURE
- NO** BROKEN/UNUSABLE ITEMS
- NO** CHILD CAR SEATS
- NO** CLOTHING/SHOES (Please use Clothing Bin outside.)

**** Please see attendant with any questions ****





Successes

Tours of New Facility

Thank You!



KNOW THE RULES
RECYCLE RIGHT

FOR RECYCLING RULES, FLYERS AND MORE, PLEASE VISIT:
WWW.GILFORDNH.ORG/RECYCLERIGHT



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