

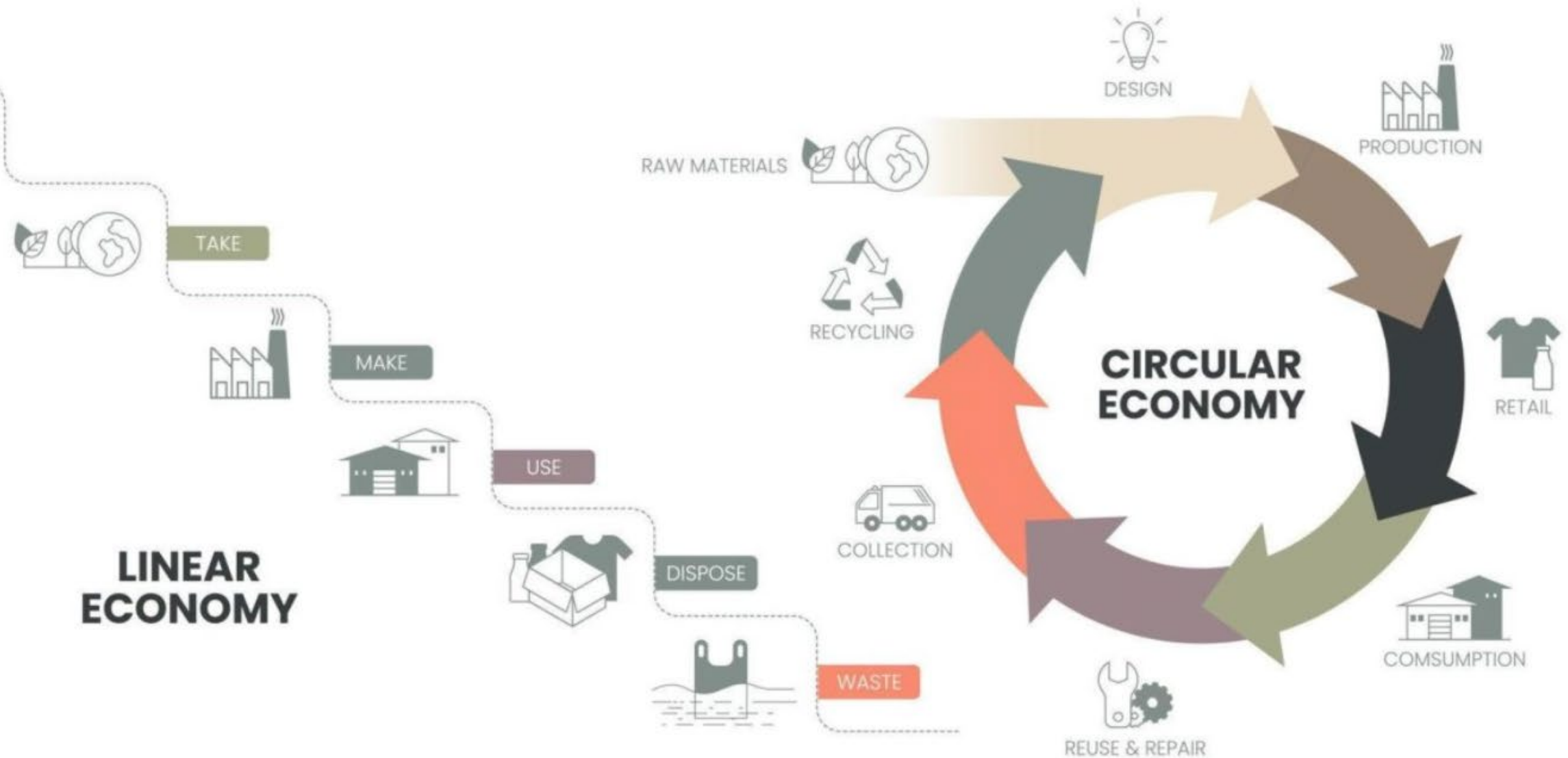


# NMMMA Regional MRF Project Update and Request

March 2025



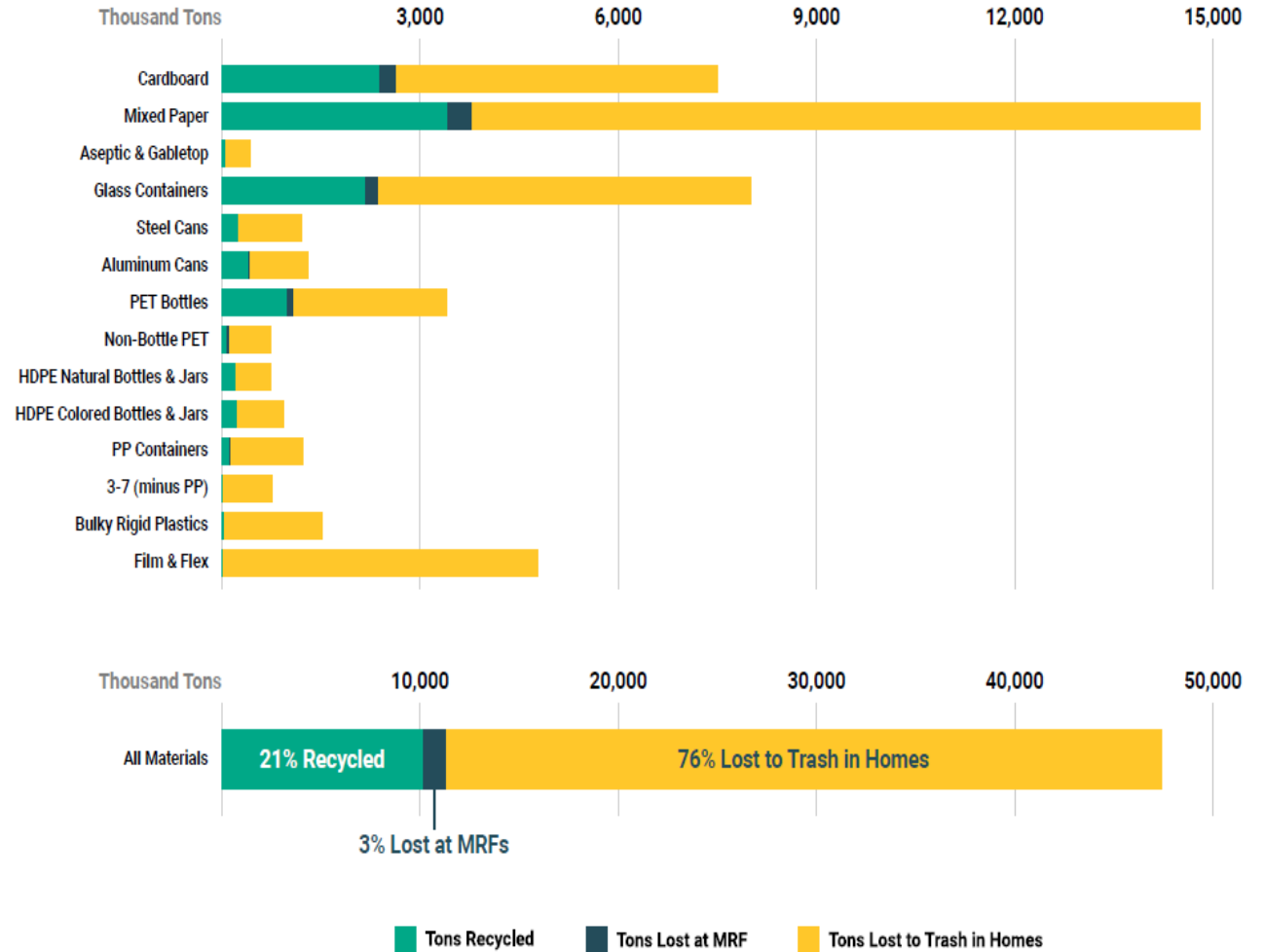
# Transition to Circular Economy



# Recycling Saves

- ▶ Reduced cost of waste disposal to residents and businesses
- ▶ Increase availability of raw materials for production and manufacturing
- ▶ Keep materials local
  - ▶ Glass transported directly to Holcim
- ▶ Diversion of materials to recycling increases the lifespan of landfills

Figure 13  
**Fate of Material by Major Material Category\***  
 (in Tons Per Year)



\*Includes material captured through state deposit return systems

# Part 115 Requirements

## County requirements:

- Materials Management Plan
  - Alpena is the Designated Planning Agency for 5 Counties
- 

## Materials Management Planning

- Alpena, Alcona, Montmorency, Oscoda, Iosco
- Focus on managing materials-collection sites/curbside
- Provides funding
- Aligns with State of Michigan goal- 45% recycling rate by 2030
- Prioritizes local control
- Considers economic development
- Preserves the ability to flow control material to publicly-owned facilities

- ▶ Recycling program in Alpena County has existed in some form since 2006; old transfer station on M-32
- ▶ NMMMA established to support recycling program. Bylaws adopted in January 2023 and financial management transferred from NEMCOG to NMMMA.
- ▶ Recycling is a *County* program which NMMMA implements on behalf of Alpena County
- ▶ Comprised of representatives of: County of Alpena, City of Alpena, Charter Township of Alpena and the Townships of Green, Long Rapids, Maple Ridge, Ossineke, Sanborn, Wellington, and Wilson
- ▶ PA 138 Household Fee increased from \$20 to \$25 per household per year. Interlocal agreement amended in 2023 to designate funds to NMMMA for program operations. First agreement in 2017.
- ▶ MOA Landfill Board approved quarterly allocation of 50 cents per delivered cubic yard up to \$75K to support regional MRF development and operations in 2024



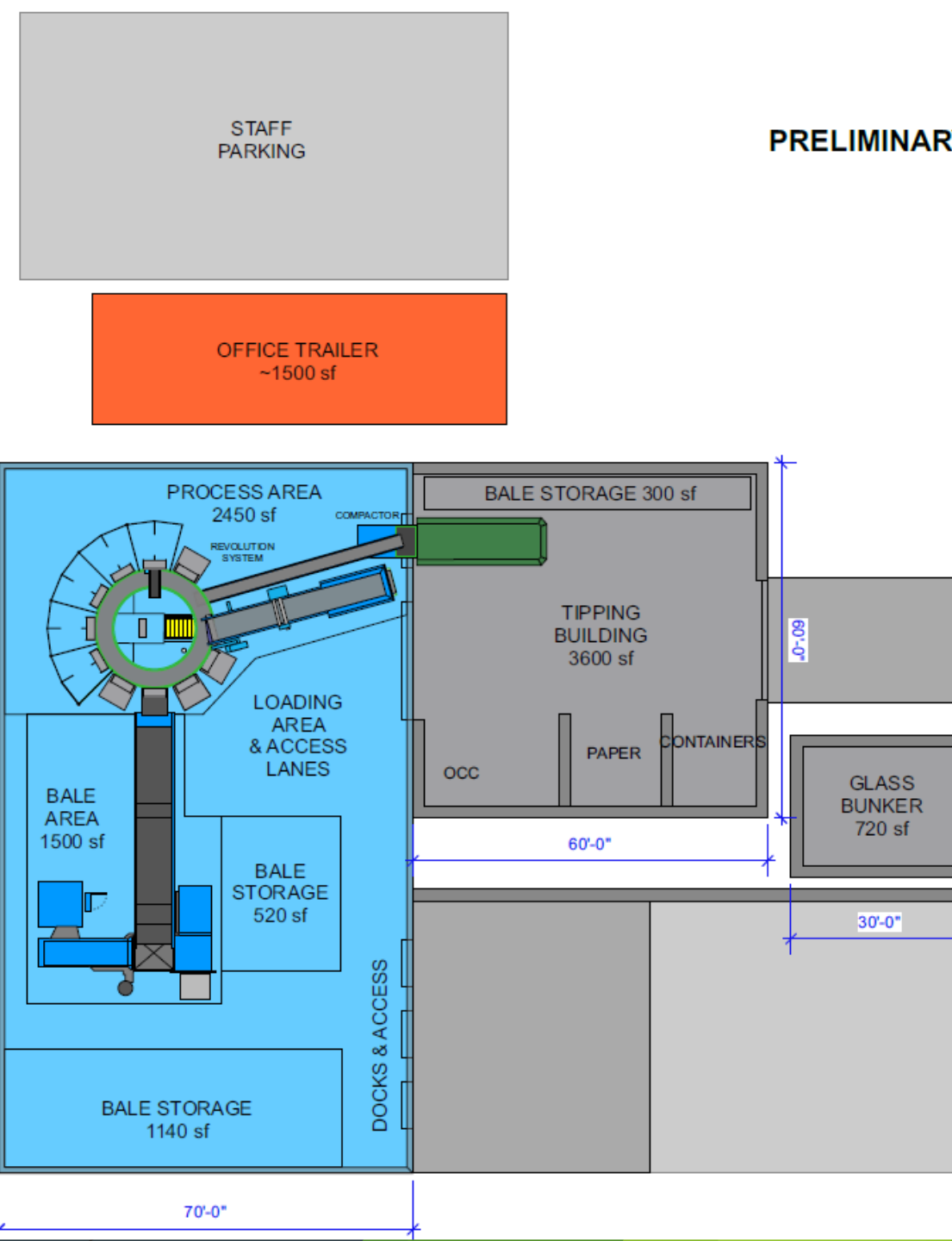
# NMMMA & Material Recovery Facility(MRF)Progress

- ▶ Executive Director hired in November 2024.
- ▶ Implementing improvements in collections and operations to improve efficiency.
- ▶ Developing New MRF
  - ▶ Design & Engineering
  - ▶ Survey and site plan completed, FAA clearance and tall structure permit received, zoning permit approved, Phase I ESA completed.
  - ▶ Land Lease with County signed.
  - ▶ 75% of capital cost raised plus predevelopment costs
- ▶ Feedstock
  - ▶ Alpena, Montmorency, Oscoda, Alcona, and Iosco Counties plan to send drop off recyclables to NMMMA's new MRF. Iosco is in the process of establishing countywide recycling drop site program with EGLE grant and proposed PA 138 funding. City of Alpena (and others) plan to work towards curbside collection once MRF operational.
  - ▶ Presque Isle County possible future feedstock

# MRF Design

- Circular sorting line minimizes building square footage compared to conventional design, reducing capital building costs.
- Rectangular building design of main building reduces costs of future expansion. Dual stream facility with bunker for source separated glass. Glass collected separately.
- Source separated cardboard not processed through sort line - goes direct to baler.
- 6 sorters, 1 bale operator, 1 infeed loader to process Year 6 tonnages
- Conveyors, ferrous magnet, 1 2-Ram baler and 1 waste compactor to support the following sorts
  - cardboard, mixed paper, ferrous metal, non-ferrous metal, cartons and paper cups, Pet & HDPE, 3-7 plastics

Multiple passes can be performed if additional sorts desired



# NMMMA Regional Material Recovery Facility (MRF)

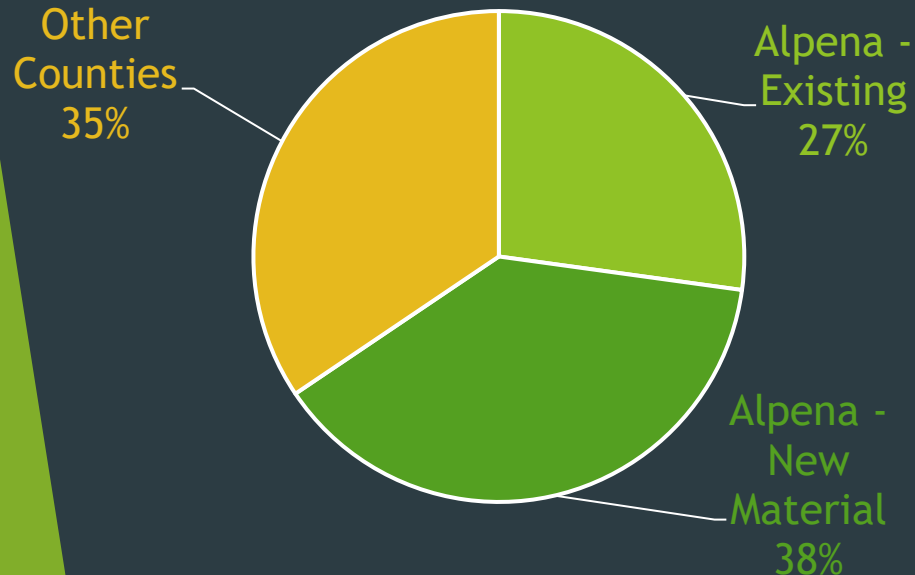
## Current Volume

~1,000 Tons/year

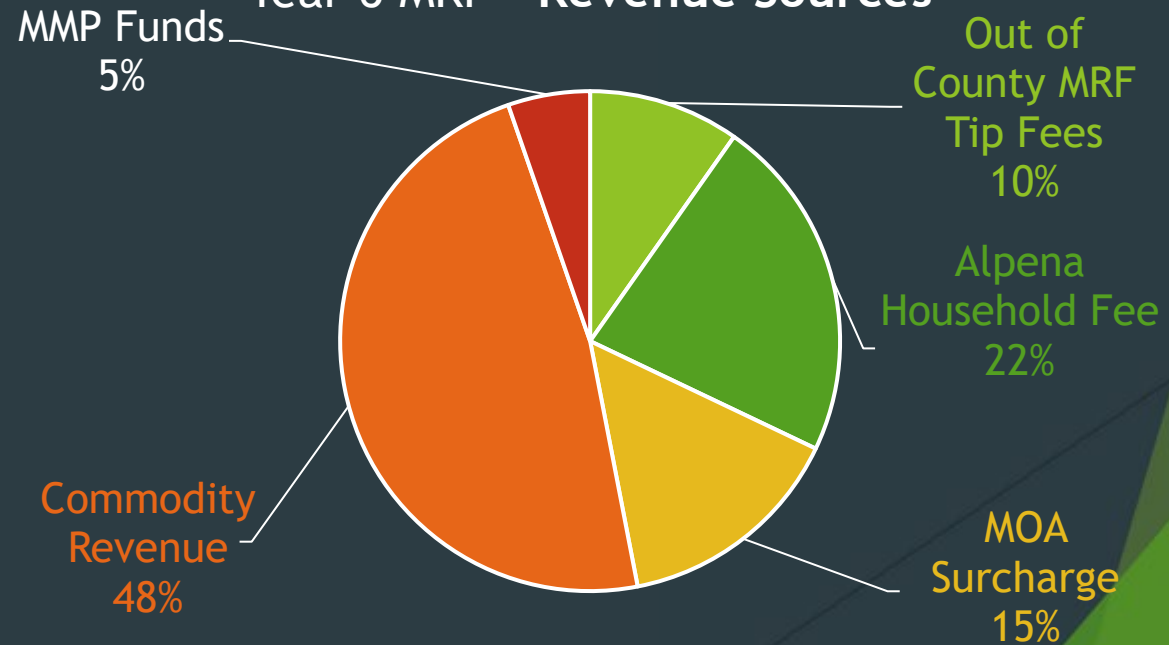
## Future Impact

Year 6 Estimate  
~4,300 Tons

### Year 6 MRF - Feedstock Sources



### Year 6 MRF - Revenue Sources





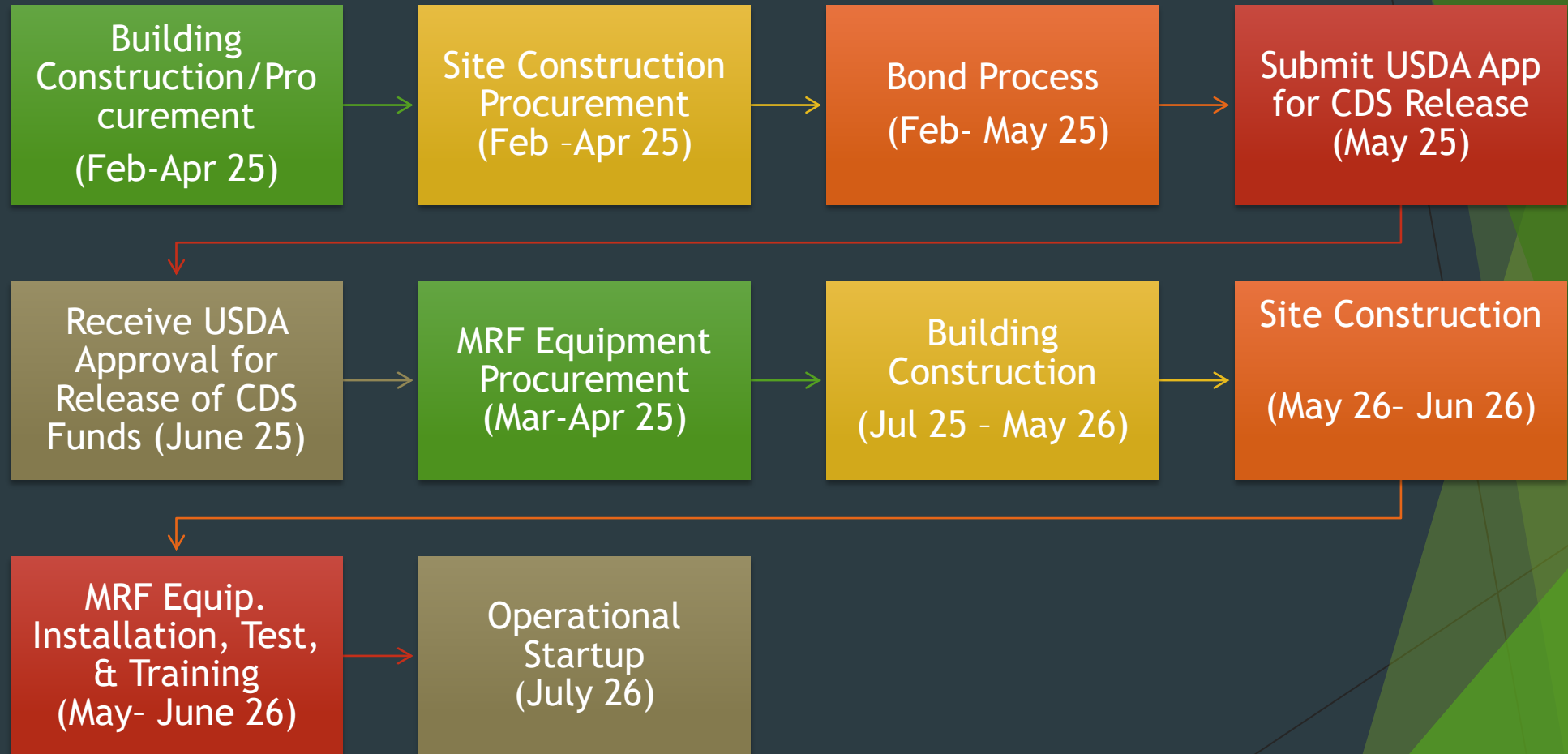
| Uses                                         | Amount (\$)      |
|----------------------------------------------|------------------|
| <b>Site/Utilities/Building</b>               |                  |
| Utilities                                    | 149,760          |
| Sitework                                     | 500,000          |
| Fencing                                      | 120,000          |
| Building                                     | 1,877,000        |
| Contingency & Inflation Escalator            | 264,676          |
| <b>Subtotal</b>                              | <b>2,911,436</b> |
| <b>MRF Equipment</b>                         |                  |
| Rolling Stock                                | 125,000          |
| Misc. Equipment                              | 36,000           |
| <b>Sorting Equip. Compactor, &amp; Baler</b> | <b>1,717,372</b> |
| Contingency & Inflation Escalator            | 171,737          |
| <b>Subtotal</b>                              | <b>2,050,109</b> |
| <b>Engineering &amp; Design</b>              | <b>203,801</b>   |
| <b>Total</b>                                 | <b>5,165,346</b> |

# MRF Capital Budget

# MRF CAPITAL FUNDING SOURCES

| Source                                                                     | Amount      |
|----------------------------------------------------------------------------|-------------|
| EGLE Recycling Infrastructure Grant (Secured)                              | \$786,272   |
| Corp. Grants- Carton Council and Foodservice Packaging Institute (Secured) | \$31,000    |
| Alpena County Stimulus Funds (Secured)                                     | \$354,395   |
| Congressionally Directed Spending (CDS)_USDA (Secured)                     | \$2,700,000 |
| Besser Foundation (Secured)                                                | \$50,000    |
| Bonds (Planned) (Authority will only issue what is needed for project)     | \$1,243,679 |
| Total                                                                      | \$5,165,346 |

# Timeline





## Benefits to the Region

- ▶ Decreases cost of waste disposal to residents and businesses
- ▶ Meets County requirement for recycling/materials management
- ▶ Creates more than five full time jobs at the facility, additional trucking jobs.
- ▶ Increases recycling access in region (5-6 County area)
- ▶ Provide material to local and regional manufacturers
- ▶ Increases lifespan of landfills

# Request

- ▶ Alpena County Pledge of Full Faith and Credit for NMMMA Issued Bonds
  - ▶ Approval of Act 233 Contract with NMMMA
  - ▶ Adoption of Resolution Approving Contract and Authorizing Notice



Rachel Smolinski  
Treasurer, NMMMA  
[treasurer@alpenarecycles.org](mailto:treasurer@alpenarecycles.org)

Cindy Johnson  
Chair  
NMMMA  
[cindyj@alpena.mi.us](mailto:cindyj@alpena.mi.us)

Bailey Barr  
Executive Director, NMMMA  
[director@alpenarecycles.org](mailto:director@alpenarecycles.org)