

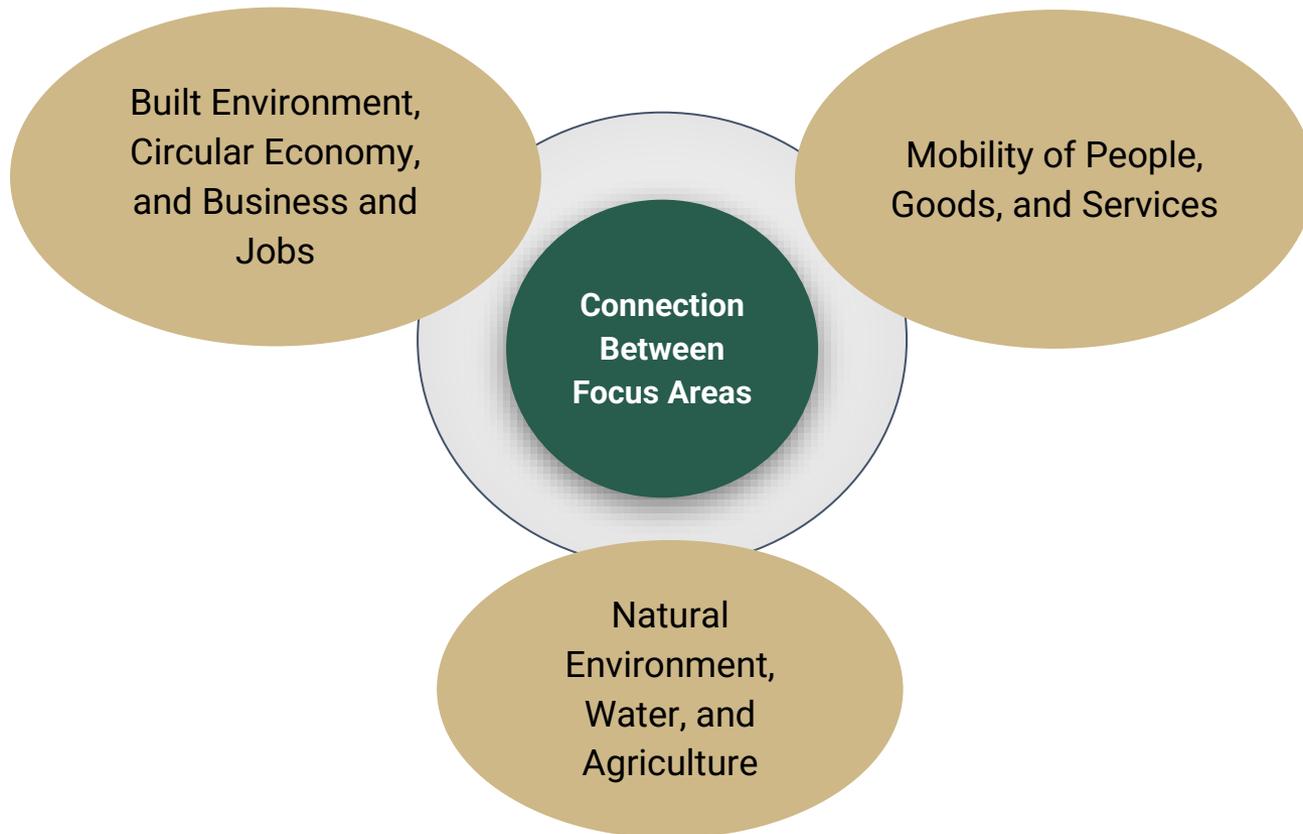
CLIMATE SMART
FUTURE *Ready*



www.larimer.gov/csfr

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FOCUS AREAS



What is the County's Approach and Role?

- Zoom out and look beyond local government boundaries to what is happening in our County and region
- Consider sustainable (environmental, economic, and social) needs and impacts
- Discover gaps and overlaps
- Nurture and enhance partnerships
- Align priorities as much as possible

Partners Making It Happen!!



Food Waste Pilot Program

Easy, Clean, Green.

Home & Business Service
Plans Starting As Low As

\$5 PER MONTH

COMPOSTQUEENFC.COM | (970) 797-2042



Compost Queen



LOCAL FOOD RECYCLING

In Partnership With



LARIMER COUNTY: SOLID WASTE DEPARTMENT



DIVERSION, DISPOSAL, AND THE DIRECTION FORWARD

OCTOBER 8, 2025



AGENDA

- 01** Solid Waste Department
- 02** Solid Waste Infrastructure Master Plan
- 03** Larimer County North Landfill
- 04** Central Diversion & Transfer Station
- 05** Future Opportunities
- 06** Recycling Guidelines

01

Solid Waste Department



CURRENT SERVICES PROVIDED

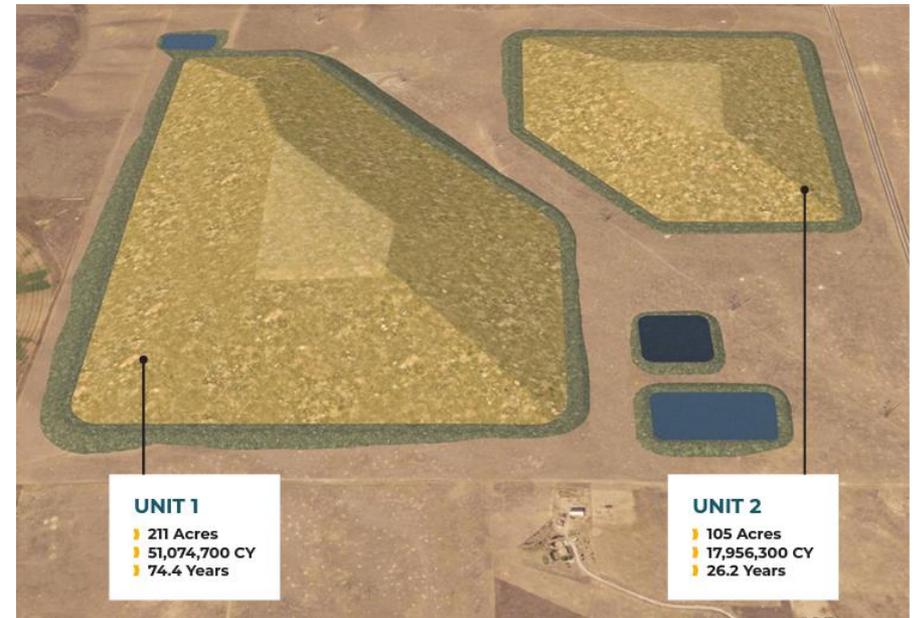
- **Landfill Operation**
- **Diversion Programs**
 - Mattresses , Tires, Green waste, Scrap Metal, Appliances
- **Landfill Environmental Compliance/ Remediation**
- **Education Center**
- **Household Hazardous Waste (HHW) Facility**
- **Recycle Center**
- **Estes Park Transfer Station**
- **Estes Park Residential Recycling**
- **Red Feather Convenience Center**
- **Wellington Convenience Center**



*Enterprise Fund

FUTURE PROGRAMS

- **North Landfill**
- **Central Transfer Station**
- **Diversion Projects and Partnerships**
- **Ground Water Remediation/Closed Landfill Monitoring**
- **Landfill Gas Collection and Beneficial Use**



02

Solid Waste
Infrastructure Master
Plan (SWIMP)



SOLID WASTE INFRASTRUCTURE MASTER PLAN (SWIMP)

Goals of the Plan

Through active collaboration and feedback from stakeholders and community members, the Coalition developed the following goals to assist in guiding the Wasteshed to a sustainable and achievable future regional solid waste infrastructure system. The shared goals are as follows:

Goal #1: Establish a comprehensive, regional solid waste materials management system by 2025 that is implemented in an economically, environmentally, and socially sustainable manner.

Goal #2: Create a comprehensive solid waste materials management plan and implement programs and facilities that reflect the needs and desires of users.

Goal #3: Develop a set of waste diversion/reduction goals that are adopted and implemented by all jurisdictions in the Wasteshed.

Goal #4: Develop a strong public education and outreach program that is consistent throughout the Wasteshed.

ELEVEN INFRASTRUCTURE OPTIONS EVALUATED

ELEVEN INFRASTRUCTURE OPTIONS EVALUATED

- Status Quo
- **Central Transfer Station**
- **New County Landfill**
- Material Recovery Facility (Clean)
- **Yard Waste Organics Processing Facility**
- **C&D Processing Facility**
- Energy from Waste Facility (Direct Combustion)
- Mixed Waste Processing (Dirty MRF)
- **Aerobic Composting Including Food Waste**
- Anaerobic Digestion
- Refuse Derived Fuel (RDF) Processing



RECOMMENDED INFRASTRUCTURE OPTIONS



Yard Waste Organics Processing Facility



New County Landfill



Construction & Demolition (C&D) Processing Facility



Central Transfer Station



Aerobic Composting Including Food Waste



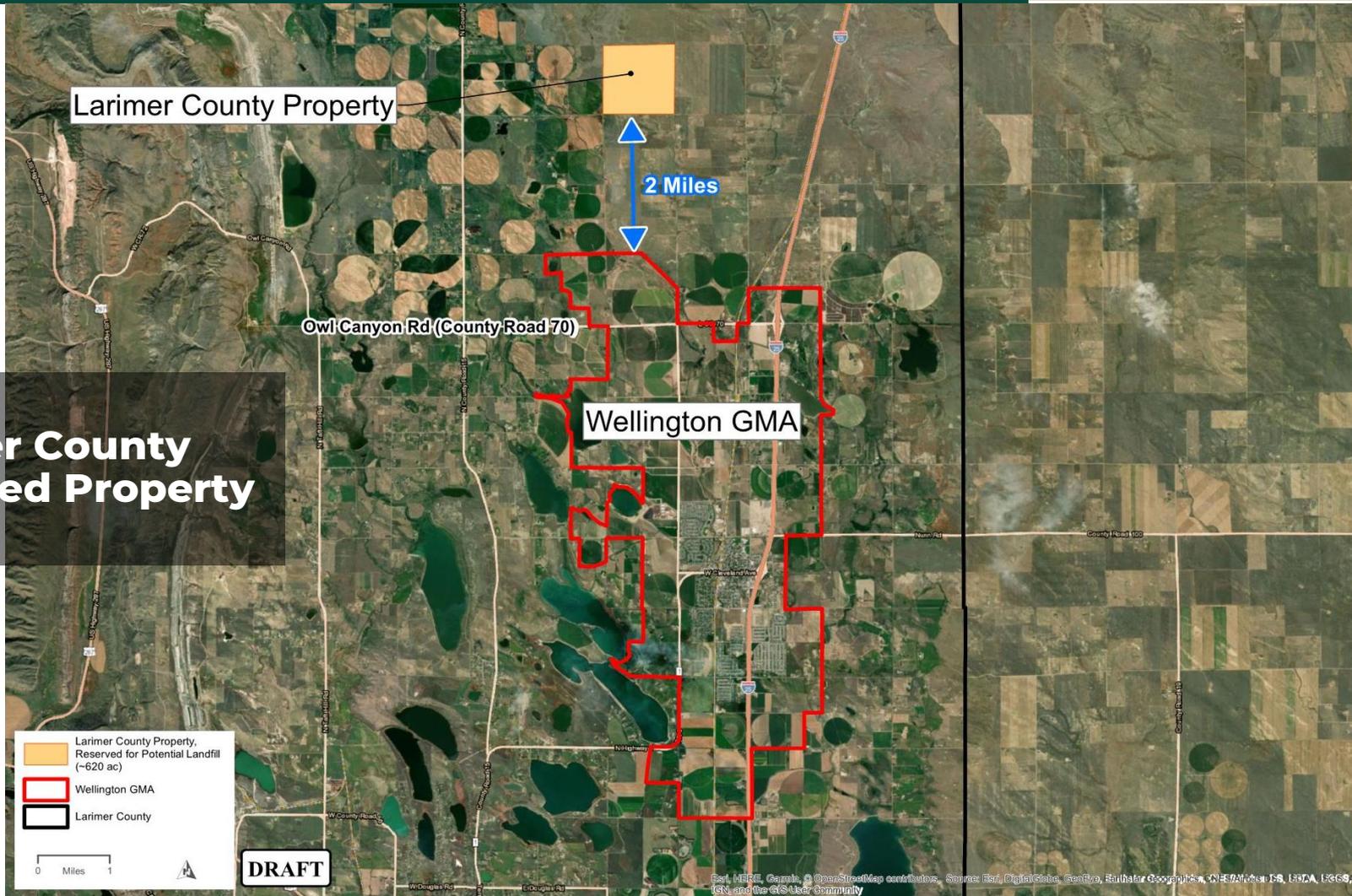
Existing MRF Transfer

03

Larimer County
North Landfill



NORTH LANDFILL PROPERTY



**Larimer County
Reserved Property**

Larimer County Property

2 Miles

Owl Canyon Rd (County Road 70)

Wellington GMA

- Larimer County Property, Reserved for Potential Landfill (~620 ac)
- Wellington GMA
- Larimer County

0 Miles 1

DRAFT

NORTH LANDFILL

Under Construction

- Construction started September 2024 for the Infrastructure
- Construction started March 2025 for Cell 1
- Anticipated opening mid 2026

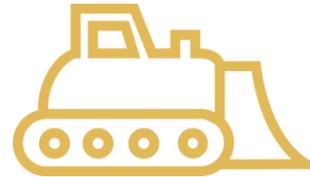


NORTH LANDFILL

LANDFILL PERMIT APPLICATION ENGINEERING DESIGN & OPERATIONS PLAN (EDOP)



Locational Criteria



**Landfill Design and
Construction**



Site Design



Operating Criteria



**Closure/
Post-Closure Plan**



Financial Assurance

NORTH LANDFILL (7/29/2025)



NORTH LANDFILL (7/29/2025)



NORTH LANDFILL (8/5/2025)



NORTH LANDFILL (8/5/2025)



04

Central Diversion and Transfer Station



CENTRAL DIVERSION AND TRANSFER STATION

Under Construction

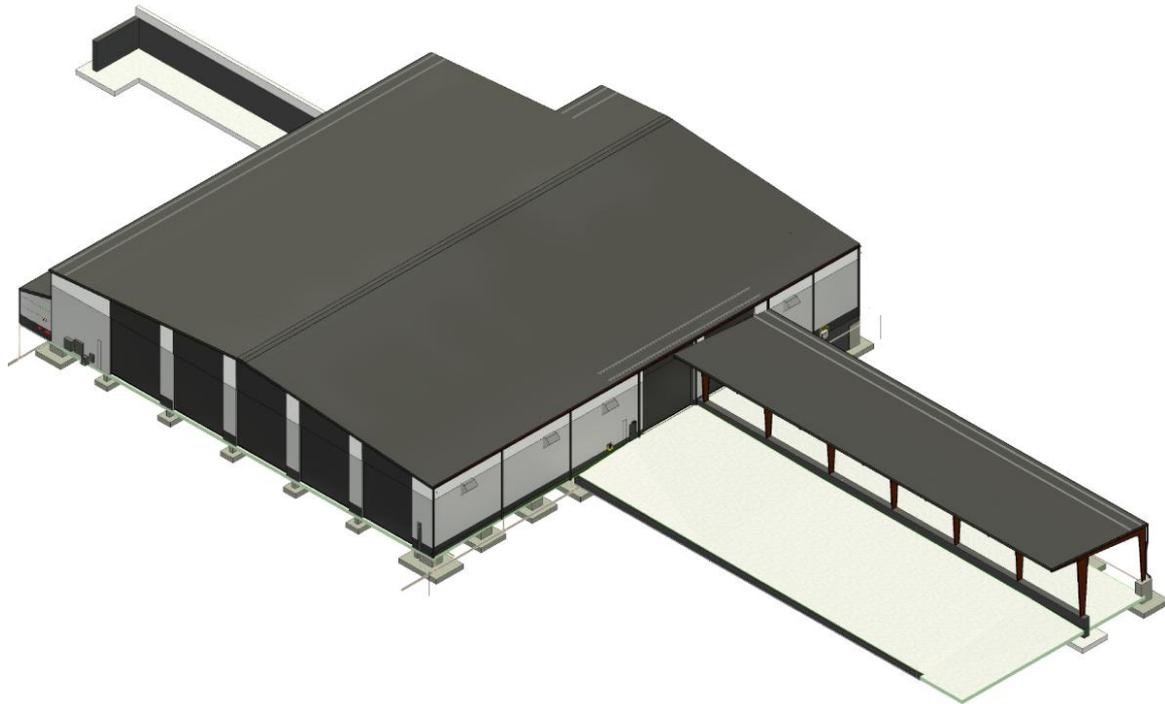
- Construction started in February 2025
- Anticipated opening in mid 2026
- Supports additional future diversion facilities



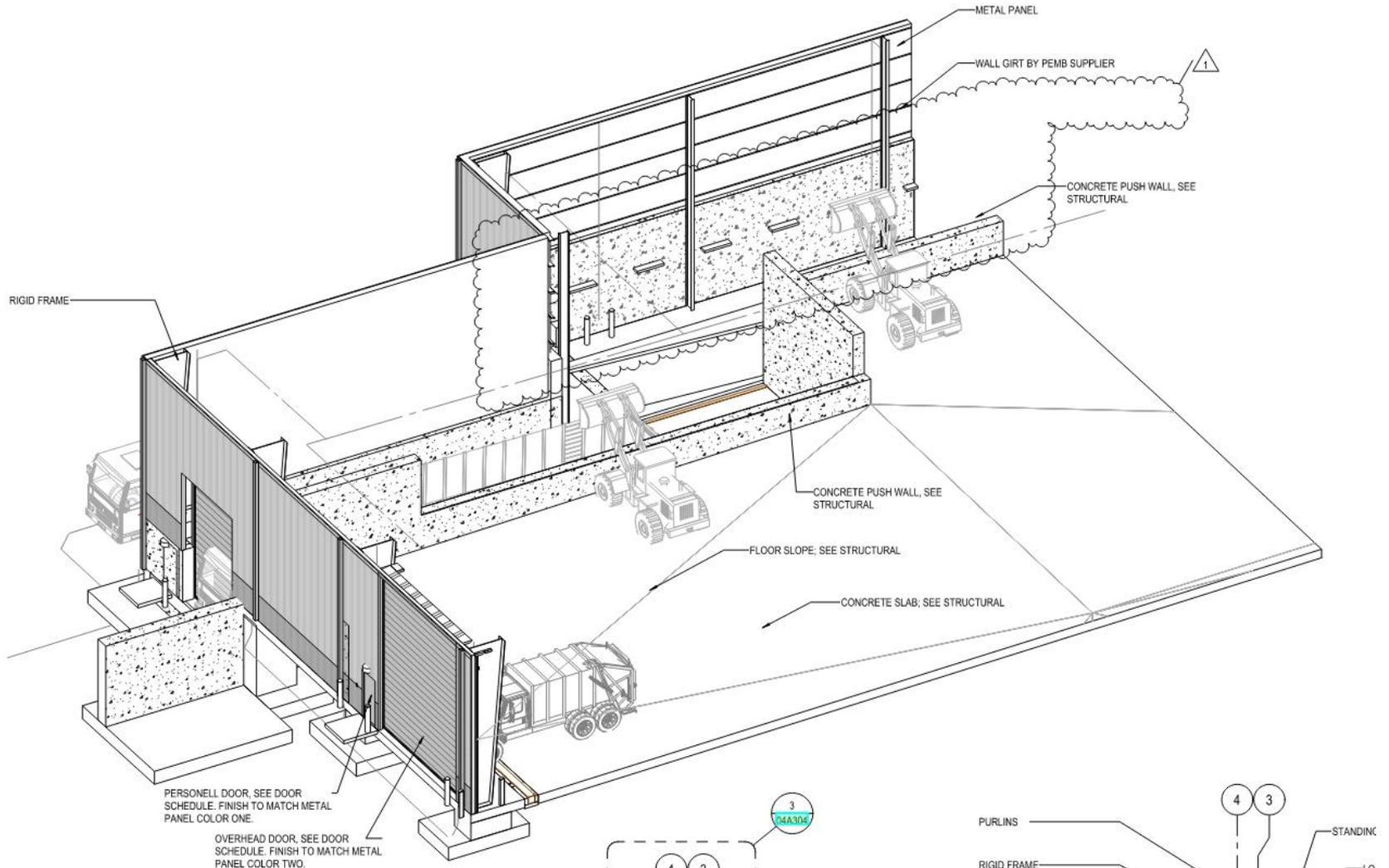
CENTRAL DIVERSION AND TRANSFER STATION

Transfer Station

- Transfer Station
~44,000 sq ft
- Push Wall
~185 ft long
- Available acreage for
additional diversion
Facilities
- 3 Inbound/ 1 Outbound
Scales
- 10 Internal Transfer Trailers

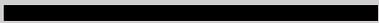


CENTRAL DIVERSION AND TRANSFER STATION INTERIOR



05

Future Opportunities



GOOD STEWARDS OF PUBLIC RESOURCES

Leave a Legacy

-Reduce, Reuse, Recycle, Compost

-Recycling and Diversion begins upstream

- The manufacture, distribution, and use of products-as well as management of the resulting waste-all result in greenhouse gas emissions.
- Waste prevention and recycling are real ways to help mitigate climate change.
- In alignment with the Larimer County Climate Smart and Future Ready Initiatives



COLORADO ENERGY OFFICE (CEO): CLEAN AIR PROGRAM (CAP) GRANT

Methane Capture & Destruction



COLORADO
Energy Office

Design and install the expansion of the current landfill gas collection and control system (LGCCS) for Methane capture and destruction via additional ~113 gas collection wells and a new enclosed flare.

Grant Amount:
\$2,112,065.00

Local Match Amount:
\$2,852,570.00



PROMOTING INNOVATION, ADAPTABILITY, AND CONTINUOUS IMPROVEMENT

- Separate Mattress fee instituted in 2022
- Recycled +10,500 in 2024
- About 300 less trash trucks by volume annually!
- Estimated 6,500 Cubic yards and 290 tons diverted
- Reduces Heavy Equipment downtime and repairs
- Improves Landfill density



CULTIVATING INCLUSIVE AND COLLABORATIVE
PARTNERSHIPS/ EMPOWERING PEOPLE TO TAKE
RESPONSIBILITY

PEOPLE PLANET PURPOSE

Spring Back Colorado Mattress Recycling is a nonprofit social enterprise, working to achieve a triple bottom line:

PEOPLE

We work to serve the disenfranchised men and women of Colorado through sustainable employment opportunities and offering a supportive culture, a sober work environment, and a fair wage scale.

PLANET

We work to serve the community of Colorado through our high impact environmental stewardship program. We divert over one hundred thousand mattresses and box springs from the landfill annually and offer the consumer a responsible way to properly get rid of their post-consumer waste while supporting a redemptive employment model.

PURPOSE

We work to provide a fully developed mentorship program to the men we employ in concentrated effort to develop high-value employees with transferable skill sets, men of high integrity, and men that have learned how to work daily with intentional purpose.

IMPACT BY THE NUMBERS

2011

Year Established

6,200

Mattresses Recycled Each
Month

196

Total People Employed

11million

Lbs Diverted From Landfills



PROMOTING INNOVATION, ADAPTABILITY, AND CONTINUOUS IMPROVEMENT

BUT WHAT DOES THAT MEAN?

- 2-Mile-High Stack
- More than 500,000 lbs. of metal, wood, foam, cotton, and textiles
- Heavier than four 836k CAT Compactors
- 2 times the length Horsetooth Reservoir, (13.25 miles end over end (HTR ~6.5 Miles))



06

Recycling Guidelines



Recycling in Larimer County

Let's test our knowledge and then go over the Do's and Don't's of recycling in our community!



RECYCLE

ALL ITEMS MUST BE EMPTY AND DRY

METALS & GLASS



CARDBOARD & PAPER



PLASTIC BOTTLES, TUBS & PAPER CARTONS



KEEP OUT

THESE ITEMS CAUSE PROBLEMS



Recycling Guide:



Plastic Recycling:
It's all about size and shape

Contamination





LANDFILL



PLASTIC-COATED PAPER PRODUCTS



NON-RECYCLABLE PLASTICS



FOOD, WRAPPERS AND FROZEN FOOD PACKAGING



Other common contaminants that end up landfilled:

- Bagged recyclables
- Pet food packaging
- Mixed material containers (ex: Pringles can)
- Items smaller than a post-it note

About 10% or less of all materials processed through the recycling center end up landfilled

The Future of Recycling in CO

Extended producer responsibility

What are the benefits for Colorado?

- Free recycling.
- Reduced costs for municipalities.
- Improved recycling infrastructure.
- Sustainable product and packaging design.
- Reduced landfill waste.
- Larger domestic supply of raw materials.

COLORADO
Department of Public Health & Environment

- Colorado is the third state to pass an Extended Producer Responsibility policy
- Extended Producer Responsibility (EPR) will require any producers that supply packaging to this state to fund the collection, sortation, and processing of these items
- It is a system of bonuses and penalties that incentivizes producers to minimize waste and environmental impact when designing their products
- Through EPR, producers will be responsible for the end-of-life management of a product
- CO EPR will go into effect January 1st, 2026

QUESTIONS?

Project: *Dream On*

Good for the Planet

Self sustaining program that reduces waste and supports Larimer County Climate Smart and Future Ready initiatives

Inclusive and Collaborative Partnerships

The Recycler "Spring Back Colorado" is a nonprofit, social enterprise



Mattress and Box Spring Recycling

Empowering An Inclusive Working Environment

Promotes sustainable employment opportunity for the disenfranchised population

Being Good Stewards of Public Resources

Promotes a circular economy and conserves valuable landfill airspace equivalent to over 300 trash trucks annually

Promoting Innovation

Over 500,000 pounds of metal, wood, foam, cotton, and textiles diverted from the landfill and recycled

