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Strategies on the Road to Zero Waste: **ANNUAL REPORT**

Teton County Integrated Solid Waste and Recycling



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Message from our Superintendent



"Despite the challenges of the pandemic, this past year was full of unprecedented achievements while urgency and momentum for Zero Waste solutions increased, as highlighted in this report."

It is with great pleasure that I am able to reflect upon 2021 as another year of numerous accomplishments for Teton County Integrated Solid Waste & Recycling. Our entire community was affected by the global pandemic of 2020, and 2021 proved to be a challenging year as well. All facets of our work were significantly impacted in 2021 from programs and projects to operations at the Teton County Transfer Station and Recycling Center facilities. However, during these difficult times, ISWR staff were able to shift gears, continue with our goals and accomplish many achievements:

- Launched the Recycle Coach App
- Completed the Electrical and Water System Improvements at the Transfer Station
- Successfully completed negotiating a 7-year contract for Transfer Station Operations

ISWR's long term mission of reducing 60% landfill bound waste by the year 2030 remains the same. Despite the challenges of the pandemic, this past year was full of unprecedented achievements while urgency and momentum for Zero Waste solutions increased, as highlighted in this report. Side-by-side with our many partners, Teton County ISWR has been drafting and implementing Zero Waste solutions in service of a brighter, more sustainable future.

I wish to thank our dedicated staff, Board Members, and partners who have shown their commitment to a Zero Waste future for Teton County and to provide uninterrupted essential solid waste management and recycling services under these most challenging conditions. Together we are creating a future that better matches our collective values of sustainability, equity, and resilience. Thank you for taking this journey with us and I look forward to what we can achieve in 2022.

Sincerely,
Brenda Ashworth

A handwritten signature in black ink, appearing to read 'Brenda Ashworth'.

Superintendent of Solid Waste & Recycling



Our Mission

Reduce, reuse, recycle and manage municipal solid waste throughout Teton County, Wyoming, in an efficient and environmentally-sound manner.

Our Vision

Zero waste is a universal term that means to throw nothing away. Jackson Hole is one of over fifty communities nation-wide and many more around the world that have adopted the principle of zero waste to conserve resources, save money, create jobs, and sustain the health of the environment. Locally, the pursuit of zero waste means a commitment to Reduce, Reuse, Recycle and Compost as much as possible and limit the amount of material disposed of through incineration and landfilling. The Road to Zero Waste is the name for the initiative undertaken by Teton County Integrated Solid Waste & Recycling (ISWR) to provide and coordinate strategies to waste less.

Board 2021

Tanya Anderson - *Board Chair*
Don Baker
Rani Carr - *Vice Chair*
Paul Cherry - *Treasurer*
Lindsey Ehinger
Elizabeth Ferguson
Wes Gardner
Erik Kimball
Nikki Kaufman - *Secretary*



Annual Report
2021

Board 2022

Tanya Anderson
Don Baker
Rani Carr - *Vice Chair*
Paul Cherry - *Board Chair*
Kaitlyn Creasey - *Treasurer*
Lindsey Ehinger - *Secretary*
Elizabeth Ferguson
Kahlynn Huck
Erik Kimball

Staff

Brenda Ashworth
Superintendent of Solid Waste & Recycling
Steve Ramos
Solid Waste & Recycling Manager
Caroline Sheahan
Financial Accountant
Bryan Eberhardt
Recycling Supervisor
Chris Austin
Scale Master
Becky Kiefer
Waste Diversion Outreach Coordinator
Kelly Ippolito
Administrative Assistant
Samantha Lee
Customer Service Representative
Lane Raper
Senior Recycling Operator
Dana Horner
Senior Recycling Operator
Joel Gayton
Recycling Operator
Edward Davis
Recycling Operator
Joe Chenault
Recycling Operator
Heather Halls
Scale Attendant

Year in Review

January 1, 2021 - December 31, 2021

2021



February

ISWR announced the grand opening of the Food Waste Composting Facility and began accepting food waste. Over 11 tons of food waste have been collected and diverted from the landfill.



March

ISWR identified missed reuse opportunities related to C&D waste and added a "dirty" dimensional wood pile at the Transfer Station. Another initiative included in the Road to Zero Waste plan.



January

ISWR began the new year awarding Yellow Iron Excavating a 7-year contract for Trash Transfer Station operations and landfill hauling.



April

ISWR upgraded the current baler, which recycling operations rely on, increasing overall recycling efficiency and decreasing operating hours and labor costs.



May

Teton County was interviewed by Green New World TV; a film showcasing national sustainability efforts and highlighting the people & places building a better, greener future.

June

In partnership with the University of Wyoming Haub School students, ISWR executed an Environmental Solutions study on propane and bear spray canister disposal alternatives.



Year in Review

January 1, 2021 - December 31, 2021

2021



July

In partnership with JH Public Art, ISWR hosted the Mountain Academy's recycled troll house.

In addition, Recycling Art Resident, Suzanne Morlock installed the public art piece "flores pulchros" in the Town Square, challenging the perception of waste culture .



October

In partnership with Recycle Coach, ISWR introduced a recycle app to Teton County. The new platform makes it easy for residents to get local disposal information and become better recyclers.

August

ISWR staff submitted the operating permit renewal application to Wyoming DEQ for Recycling Center and Household Hazardous Waste Collection Facilities. The application was approved in August for a lifetime.



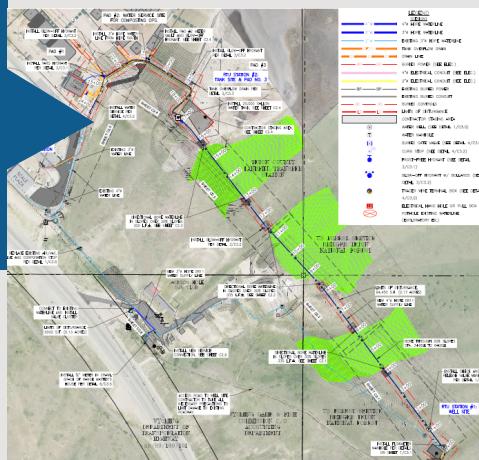
November

In 2021 ISWR collected and recycled 1,425 tons of scrap metal.



September

In partnership with Teton Conservation District, ISWR completed the Teton County Trash Transfer Station Water System Improvements project.



December

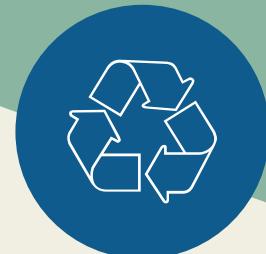
In partnership with Spring Back Utah, ISWR introduced a mattress recycling program; a new initiative on the Road to Zero Waste.

What does Zero Waste mean for Teton County?

Use of the phrase "Road to Zero Waste" is intended to emphasize that Teton County is working toward zero over time. Following the adoption of the Zero Waste Resolution, Teton County ISWR staff compiled a list of recommended strategies to increase landfill diversion from 35% to 60% by year 2030.



Strive to reach a diversion rate of 60% from landfill by the year 2030



Participate in the reduction, reuse, recycling and composting of additional types and quantities of materials



Rely on business leaders to provide models to pave the way for more organizations to incorporate sustainable practices



Infuse education and outreach with connections to national and international efforts and standards



Work together as a community toward a zero-waste future



Calculating Waste Diversion from Landfill

The formula for calculating waste diversion varies widely among zero waste communities. Discussion is underway nationally to coordinate the tracking and reporting of municipal data. In the meantime, Teton County follows the general formula common for communities of similar size and situation:

$$\text{Waste Diversion From Landfill} = \frac{\text{Amount of Material Diverted} \text{ (Reused + Recycled + Composted + Hazardous Waste)}}{\text{Amount of Material Diverted + Waste to Energy + Landfilled}}$$

Materials delivered to ISWR facilities that are **included** in waste diversion from landfill totals:

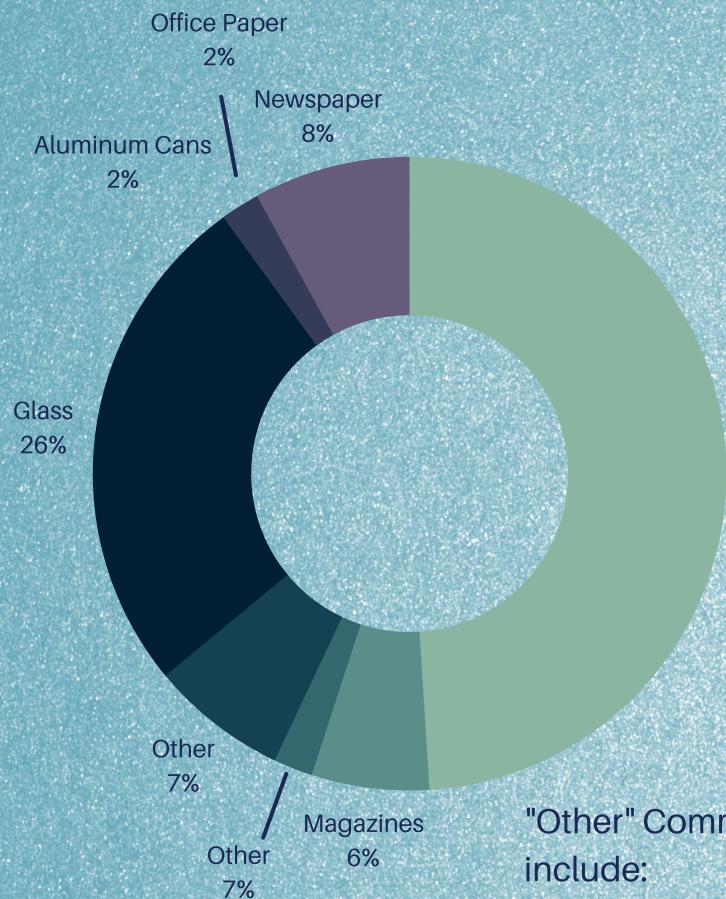
- Recyclables
- Reusables (textiles, books)
- Compostables (yard waste, sod, manure, food waste)
- Household hazardous waste
- Construction and demolition materials (dimensional lumber, wood, concrete)
- Tires
- Mattresses

Materials delivered to ISWR facilities that are **excluded** from waste diversion from landfill:

- Landfill bound discards

Recycled or Diverted Material 2021

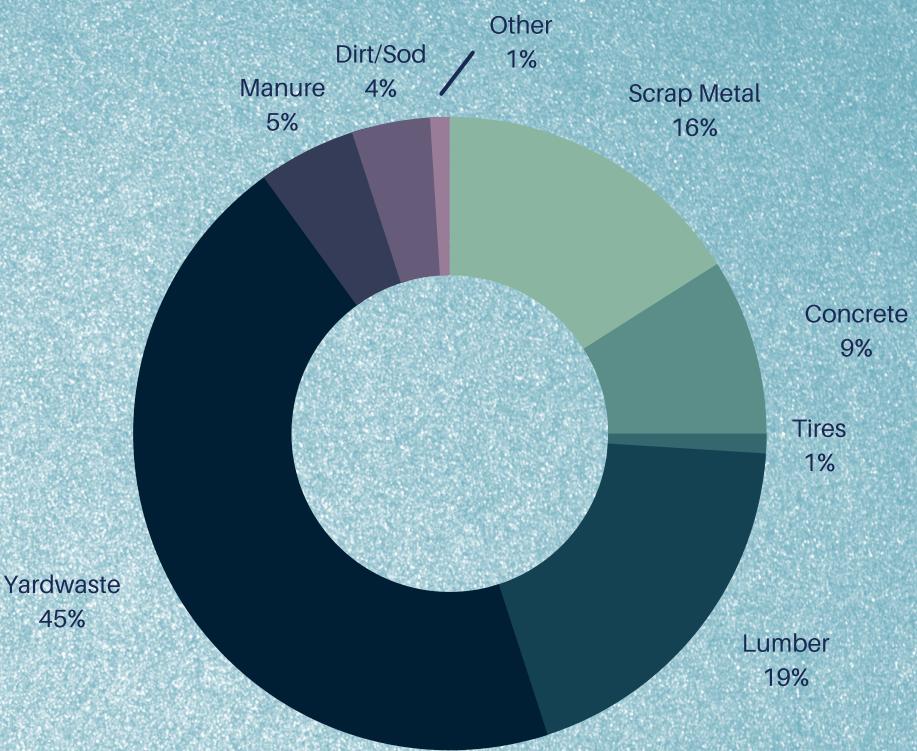
Recycling Material Profile



"Other" Commodities include:

- Textiles
- Electronics
- Hazardous Waste
- Steel Cans
- #1 Bottles PET
- #2 Bottles HDPE
- Plastic Bags/Film
- Books (hardback & paperback)

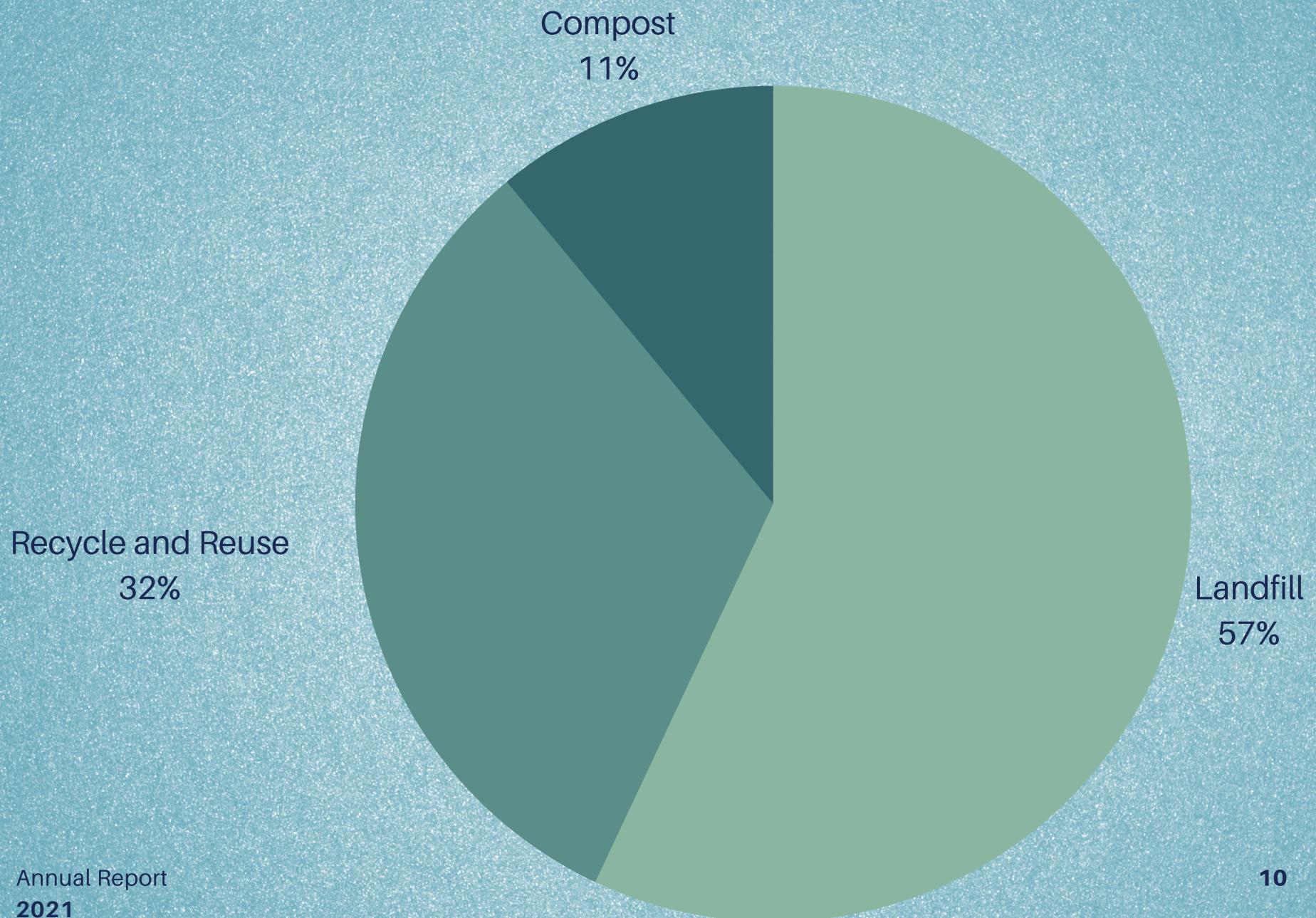
Trash Transfer Station Material Profile



"Other" Commodities include:

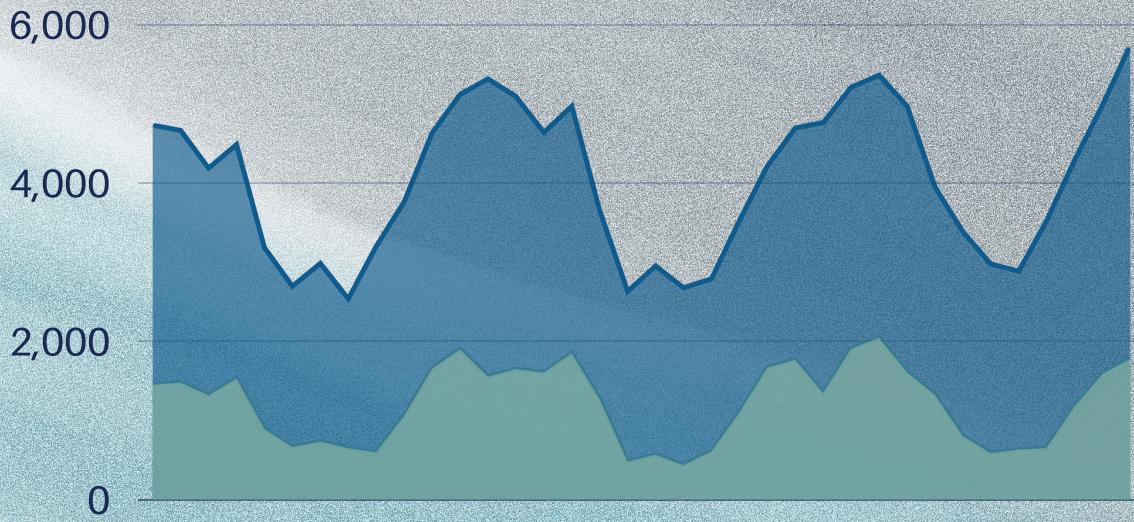
- Pumpkins
- Christmas Trees
- Food Waste

Solid Waste Diversion Profile 2021



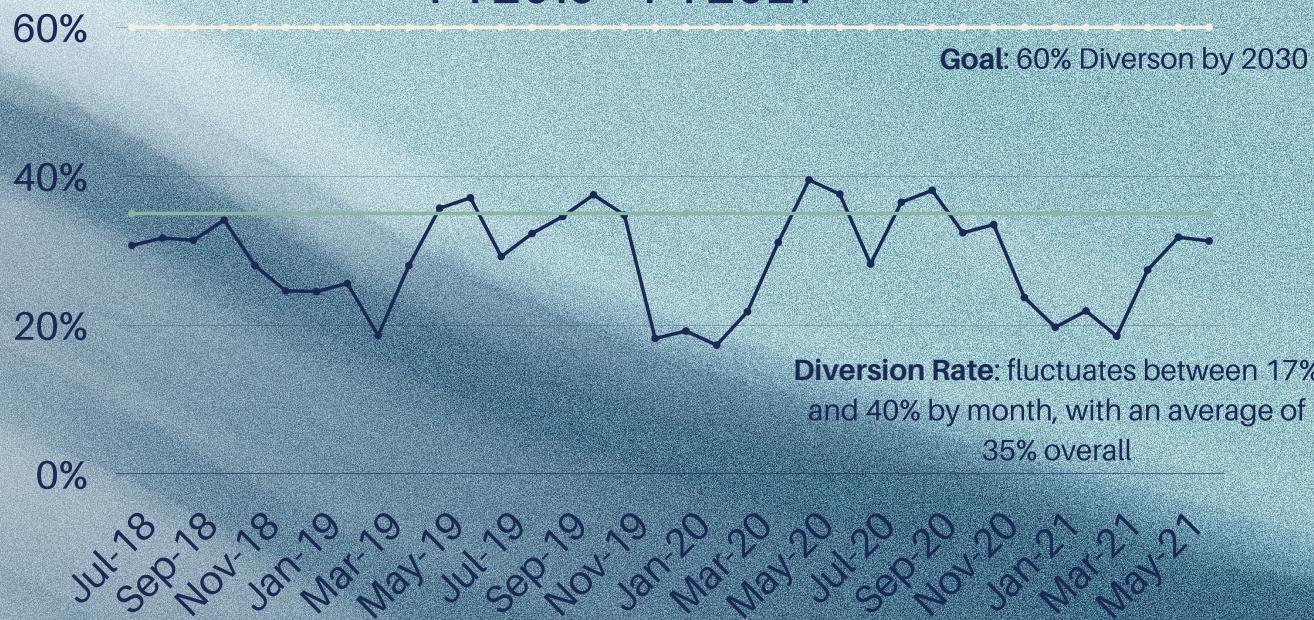
Tons Diverted vs. Tons Landfilled

FY2018 - FY2021



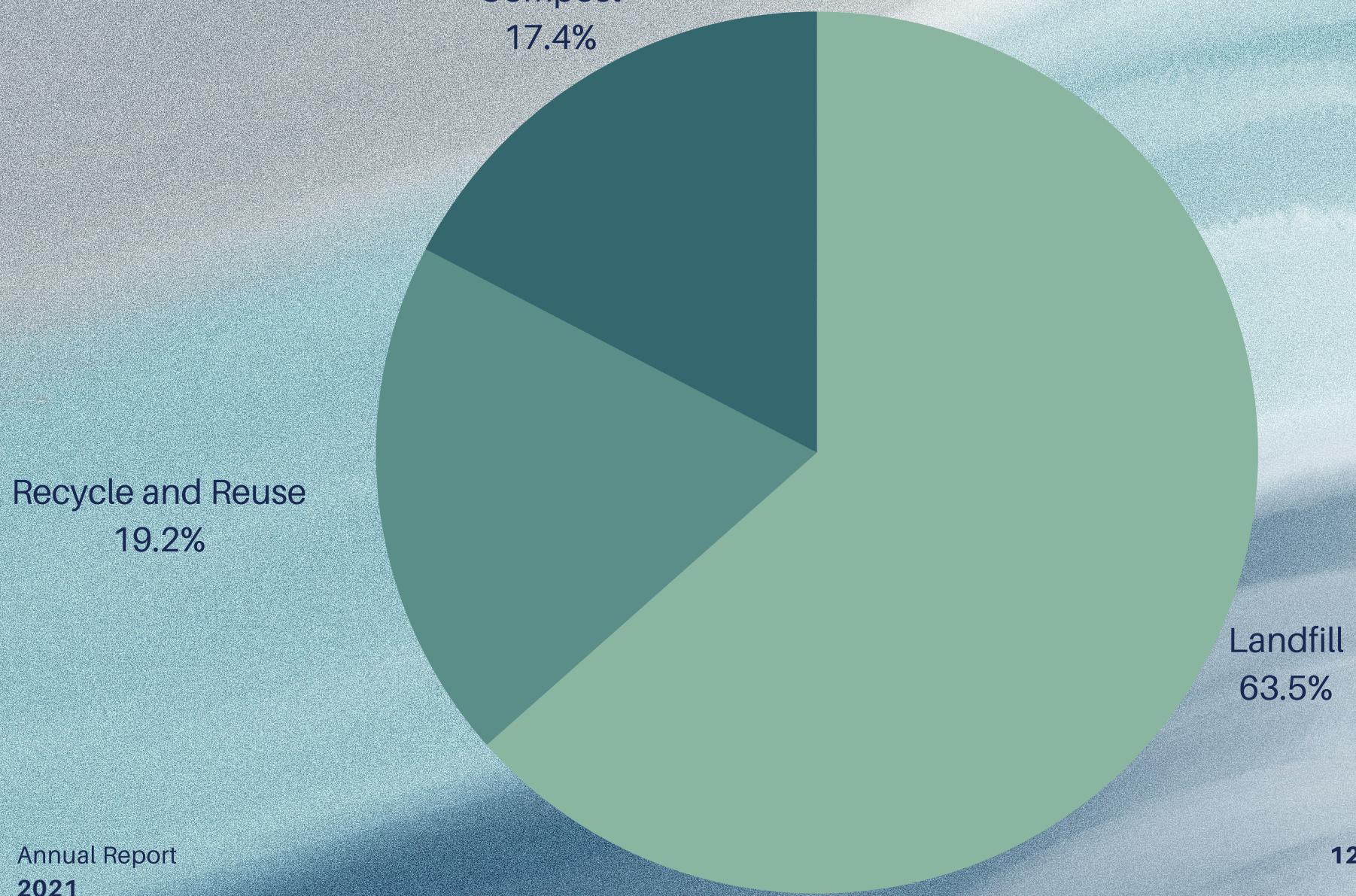
Waste Diversion from Landfill

FY2018 - FY2021

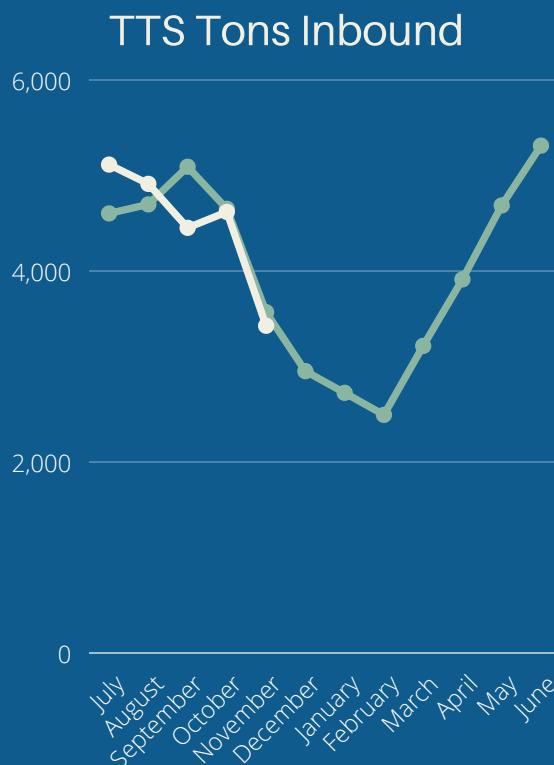


Solid Waste Diversion Profile

FY2018 - FY2021



Fiscal Year 2022 Tonnages and Diversion Rate Projections To Date



FY2022 trends overall lower tonnages of inbound general waste received at the Trash Transfer Station

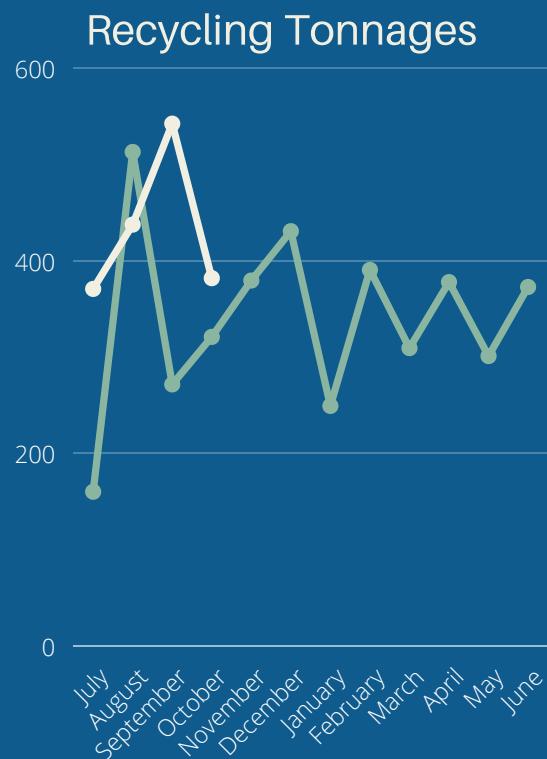


FY2022 trends overall lower tonnages of outbound general waste transferred to the Bonneville Co. Landfill

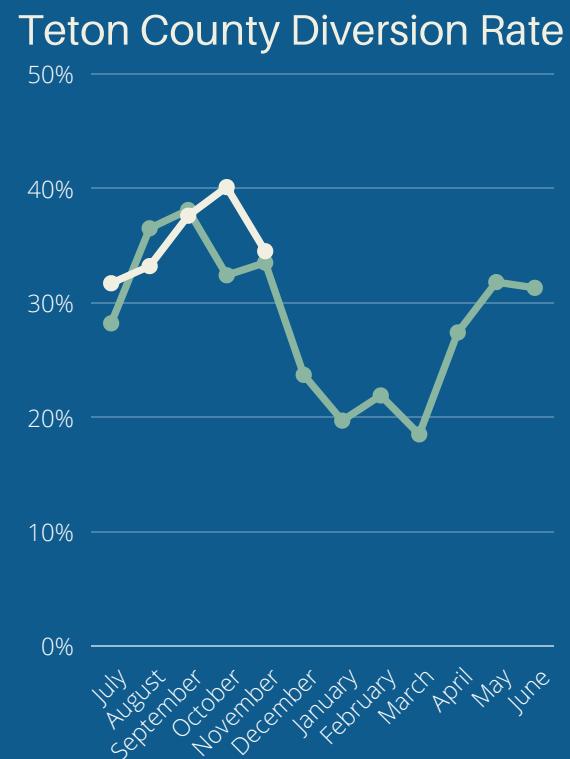


FY2022 trends overall higher tonnages of recyclables, reusables and divertables from general waste at the Trash Transfer Station

Fiscal Year 2022 Tonnages and Diversion Rates Projections To Date



FY2022 trends overall higher tonnages of recyclables received at the Recycling Center



FY2022 trends overall higher tonnages of diverted material received at the Recycling Center and Trash Transfer Station

A Focus on Strategies on the Road to Zero Waste

The following is a summary of waste diversion focus areas currently recommended for the Mid and Long-Term Strategies (FY2021 - 2030).

- Pay As You Throw
- Food Waste Composting
- Construction and Demolition Material Diversion
- Implement Building Code Requirements for Construction and Demolition Material Diversion
- Partial Co-mingling of Recyclables
- Implement Residential Multi-Family
- Zero Waste Event Modeling
- Green Purchasing Initiatives
- Regional Reuse Directory
- Zero Waste Plan Requirements for Businesses and Commercial Facilities
- Beverage Container Recycling Ordinance
- Separation of Yard Waste for Composting
- Required Separation of Corrugated Cardboard for Recycling
- Annual Road to Zero Waste Report Card
- Recognition Programs for Waste Diversion Efforts

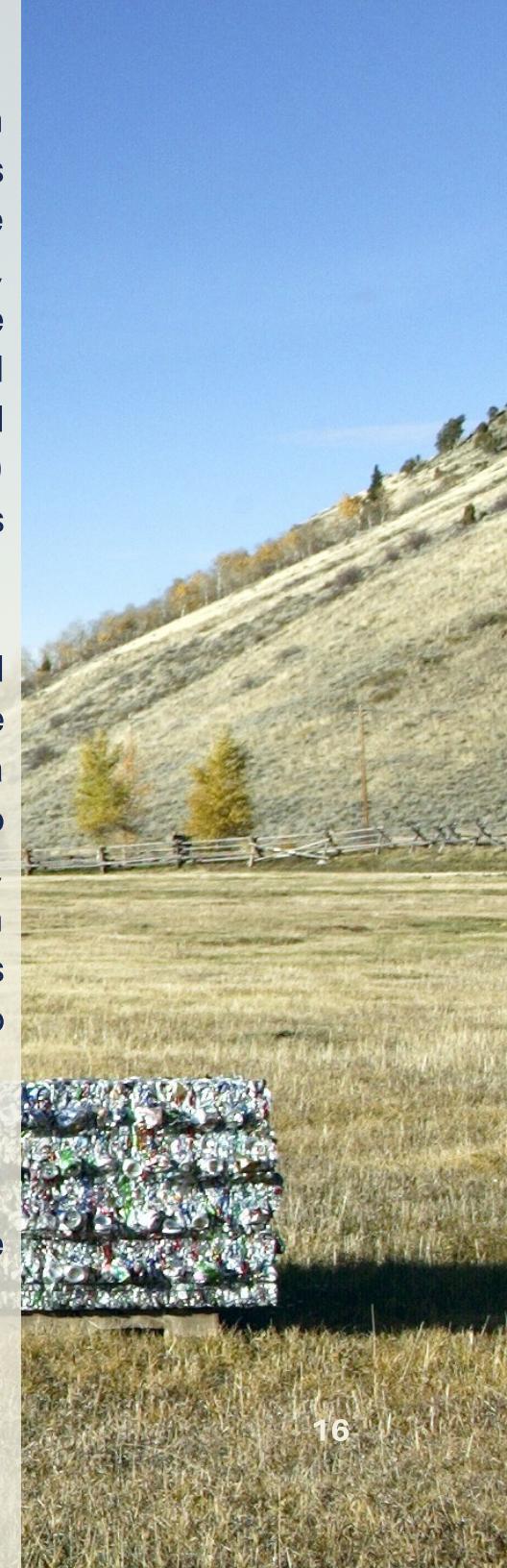


ISWR Waste Audit 2022

In the past decade, our region has seen increased economic prosperity, which has had effects on public infrastructure provision, construction & demolition activity, and general consumption. Additionally, the diversity of industry and visitor-ship found within the County may have produced changes in Municipal Solid Waste (MSW) composition. Consequently, a MSW Study is now needed.

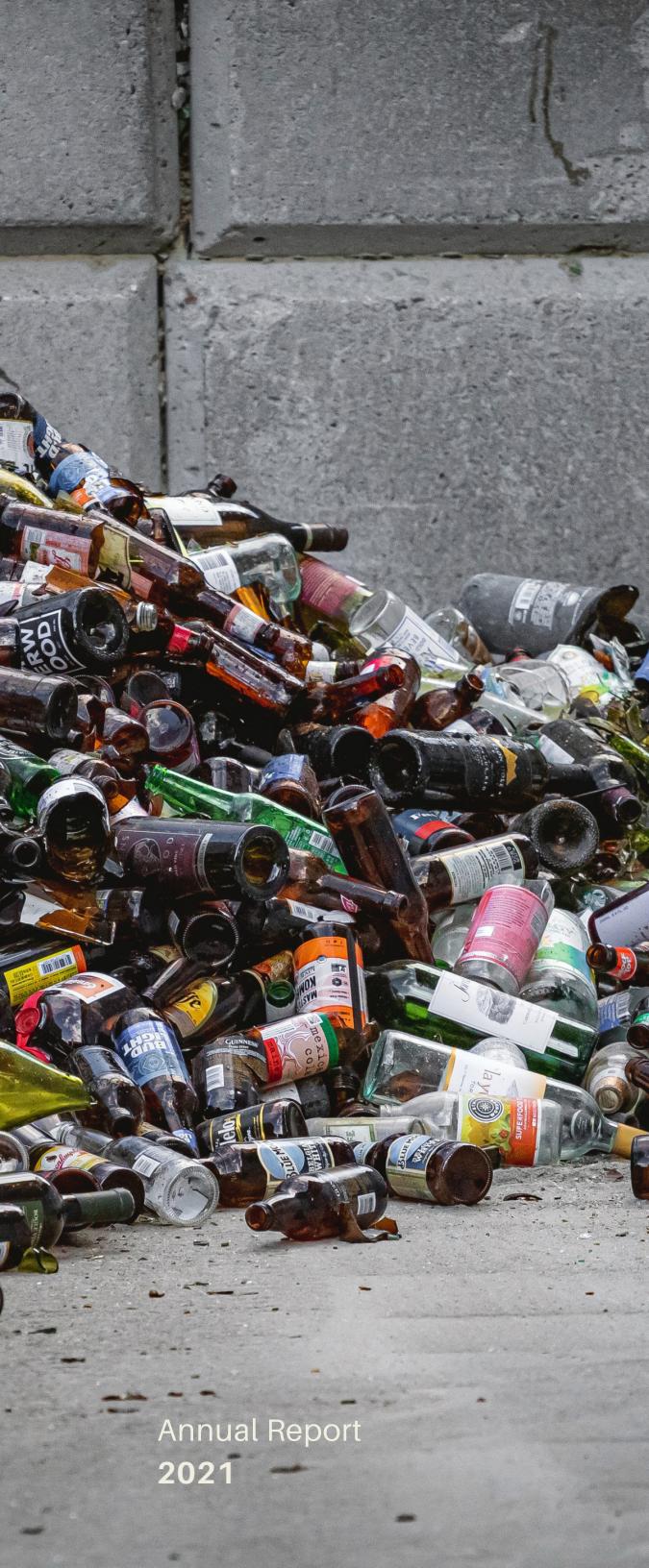
Teton County ISWR has hired a qualified contractor to conduct a comprehensive Waste Characterization Study. The data collected will help inform ISWR on how to improve waste prevention, reuse, recycling, composting and other waste diversion opportunities and enable ISWR to focus its resources where they are most needed to address:

- recyclables in the waste stream
- compostable materials in the waste stream
- banned materials in the waste stream
- opportunities for further waste diversion

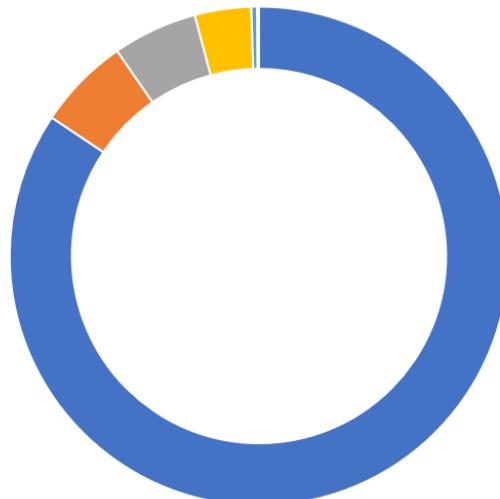


Administration & Financials

ISWR is an Enterprise Fund within Teton County. As such, ISWR operates as a business within county government, covering all operating expenditures with self-generated revenue from tip fees, revenue from the sale of commodities and fees for services.

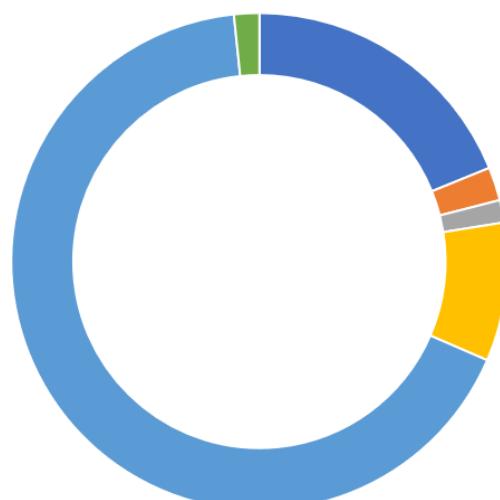


Fiscal Year 2021 Revenue



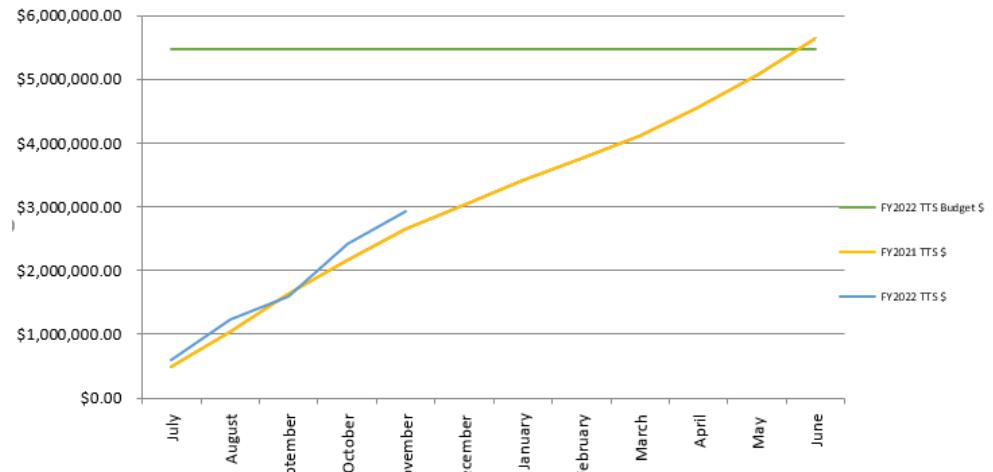
TTS Tip Fees	\$ 5,733,201
Commodity Sales	\$ 407,217
Services	\$ 372,544
Donations/Grants/PBRO	\$ 248,565
Interest	\$ 25,994
Miscellaneous	\$ 7,622
Total Revenue	\$ 6,795,143

Fiscal Year 2021 Expenses

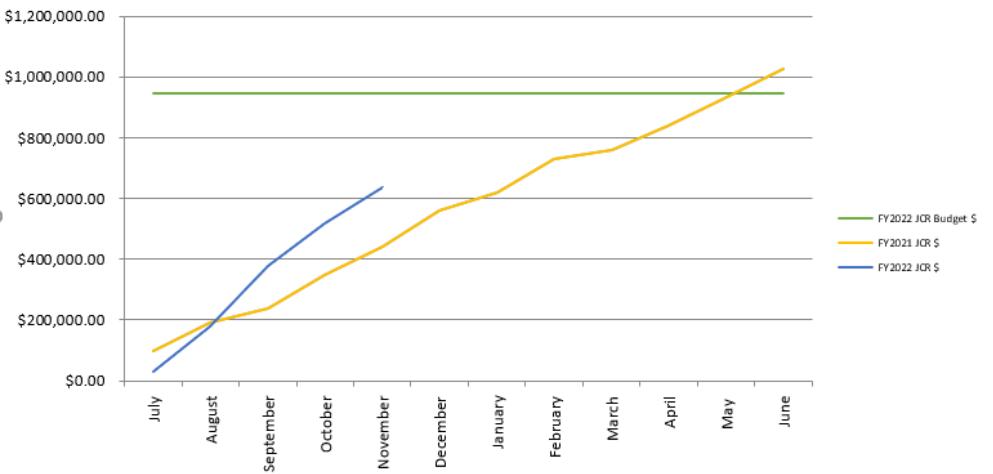


Personnel	\$ 1,106,926
Miscellaneous Admin	\$ 127,606
Education/Outreach	\$ 85,491
Recycling Programs & Ops	\$ 529,531
TTS Programs & Ops	\$ 3,926,252
Capital Expenditures	\$ 96,654
Total Expenses	\$ 5,872,460

Fiscal Year 2022 TTS Revenues to date



Fiscal Year 2022 Recycling Center Revenues to date





Teton County Integrated Solid Waste & Recycling



3270 South Adams Canyon Road,
Jackson, WY 83001



(307) 733-7678



www.roadtozerowastejh.org
www.tetoncountywy.gov/recycle



iswroureach@tetoncountywy.gov



Thank you to our business & community partners

- 1% for the Tetons
- A touch of class
- ACE Hardware
- Alpenhof Lodge
- Altamira Fine Art
- Alternative Building Solutions LLC
- Amangan
- Avant Delivery
- Barker-Ewing River Trips
- Bentwood Inn
- Beyond Efficiency
- Big-D Signature
- Blue Spruce Cleaners
- Boreal Property Management
- Brinson Foundation
- Browse N' Buy
- Buckrail
- Cafe Genevieve
- Carney Logan Burke Architects
- Catch and Release JH
- Center for the Arts
- Central Wyoming College
- Changes Hair Salon
- Community Entry Services
- Community Foundation of Jackson Hole
- Cowboy Coffee Co.
- Crazy Horse
- Current LLC
- Darwin Ranch
- Dornan's
- Duffel Donkey
- EcoTour Adventures
- Elk Refuge Inn
- Esteam Architecture, LLC
- Extherid Biosciences
- Exum Mountain Guides
- Fall River Electric Cooperative
- Flat Creek Ranch
- First Interstate Bank
- First Republic Bank
- Flat Creek Inn
- Four Seasons Resort
- Friends of Pathways
- Frontier Landscape Maintenance
- General Laundry
- Give'r LLC
- Glorietta's
- Goosewing Ranch
- Grand Targhee Resort
- Grand Teton Association
- Grand Teton Lodge Company
- Grand Teton National Park
- Haagen-Dazs
- Habitat for Humanity of Greater Teton Area
- Hatch
- Hawtin Jorgensen Architects
- Healthy Being Juicery
- Heather James Fine Art
- Hidden Hollow, LLC
- Hole Food Rescue
- Hotel Jackson
- Hotel Terra
- Huidekoper Ranch
- Hungry Jack's
- Inn on the Creek
- InterConnections 21
- Jackson Cupboard/One 22
- Jackson Curbside Recycling
- Jackson Hole Airport
- Jackson Hole Chamber of Commerce
- Jackson Hole Children's Museum
- Jackson Hole Community Radio
- Jackson Hole Conservation Alliance
- Jackson Hole Insurance Services
- Jackson Hole Land Trust
- Jackson Hole Lodge
- Jackson Hole Mountain Resort
- Jackson Hole News&Guide
- Jackson Hole Pop
- Jackson Hole Real Estate Associates
- Jackson Hole Still Works
- Jackson Hole Wild
- Jackson Hole Wildlife Safaris
- Jedediah's at the Airport
- Jenny Lake Boating
- JH Public Art
- JH Reuse
- Jtec, Inc.
- Kilmain Painting
- Knobe's Radio Shack
- Lexington at Jackson Hole
- Local Restaurant and Bar
- Love | Schack Architecture
- McDermott Financial Group
- Miazga's
- Montessori School of the Tetons
- National Museum of Wildlife Art
- Native
- New West Knife Works
- Northern Rockies Conservation Cooperative
- NoSo Patches
- Origin Media
- Orvis
- O'Ryan Cleaners
- Penny Lane Cooperative
- Persephone Bakery
- Pet Place Plus
- Picas Mexican Taqueria
- Picnic
- Pizzeria Caldera
- Premier Green Cleaning
- PRESeNT, LLC
- Quiznos Sub
- RAD Curbside Recycling
- Red Rock Ranch
- Rendezvous River Sports
- Riverwind Foundation
- Rocky Mountain Bank
- Rustic Inn Creekside Resort
- Signal Mountain Lodge
- Silicon Couloir
- Silver Star Communications
- Skinny Skis
- Slow Food in the Tetons
- Snake River Anglers
- Snake River Brewery
- Snake River Grill
- Snow King Mountain Resort
- Spring Creek Animal Hospital
- Springhill Suites Marriott
- St. John's Episcopal Church
- St. John's Medical Center
- Stio Mountain Studio
- Straw Free Jackson Hole
- Sweet Cheeks Meats
- Terra Firma Organics
- Teton Adaptive Sports
- Teton Backcountry Rentals
- Teton Conservation District
- Teton County Library
- Teton County Search & Rescue Foundation
- Teton County School District
- Teton County Weed & Pest District
- Teton Gravity Research
- Teton Motors
- Teton Mountain Lodge
- Teton Mountaineering
- Teton Pines
- Teton Raptor Center
- Teton Science Schools
- Teton Technology Solutions
- Teton Trash Removal
- Teton Toys
- The Alpine House Lodge
- The Liquor Store
- The Wort Hotel
- Togwotee Mountain Lodge
- Town of Jackson
- Trail Creek Ranch
- Travel StorysGPS
- Trio
- Turpin Meadow Ranch
- US Bank
- Valley Bookstore
- Vertical Harvest
- Westbank Sanitation
- Wheel Wranglers
- Workshop
- WyoFarms
- Wyoming DEQ
- Xanterra Parks & Resorts in Yellowstone
- Xtropy Web Marketing, LLC
- Yellow Iron Excavation
- Yellowstone-Teton Clean Cities