

Taking Climate Action:
A gathering of
Sustainable Business Leaders
featuring
BEST Certified Leaders

January 9, 2024
Teton Raptor Center





SUSTAINABLE BUSINESS LEADERS

CARBON EMISSIONS & TRC

1.9.2024



CARBON EMISSIONS & GOALS

Cool Climate Network Calculator

	Your Business	% of Total	Similar Businesses	You vs. Similar
Vehicle Fleet	37	21%	6	617%
Air Travel	4	2%	16	25%
Public Transit	0	0%	0	NaN%
Employee Commute	58	33%	41	141%
Total Transportation	99	56%	63	157%
Electricity	54	31%	48	113%
Natural Gas	0	0%	30	0%
Heating Oil	0	0%	1	0%
Waste	0.7	0.4%	18	4%
Construction	6	3%	6	100%
Total Facilities	61	34%	103	59%
Total Procurement	17	10%	17	100%
Total Footprint	177		183	59%

CARBON EMISSIONS & GOALS

ENERGY

Goals:

- Keep energy usage at or below current levels, even with more buildings in operation on the campus.
- To be powered by 100% solar and green power by Winter 2023.

TRANSPORTATION AND FUELS

Goals:

- Minimize single vehicle trips to campus.
- Increase commuter and visitor traffic to campus by alternative means (e.g., walking, biking, carpooling, and START Bus).



107 MODULES

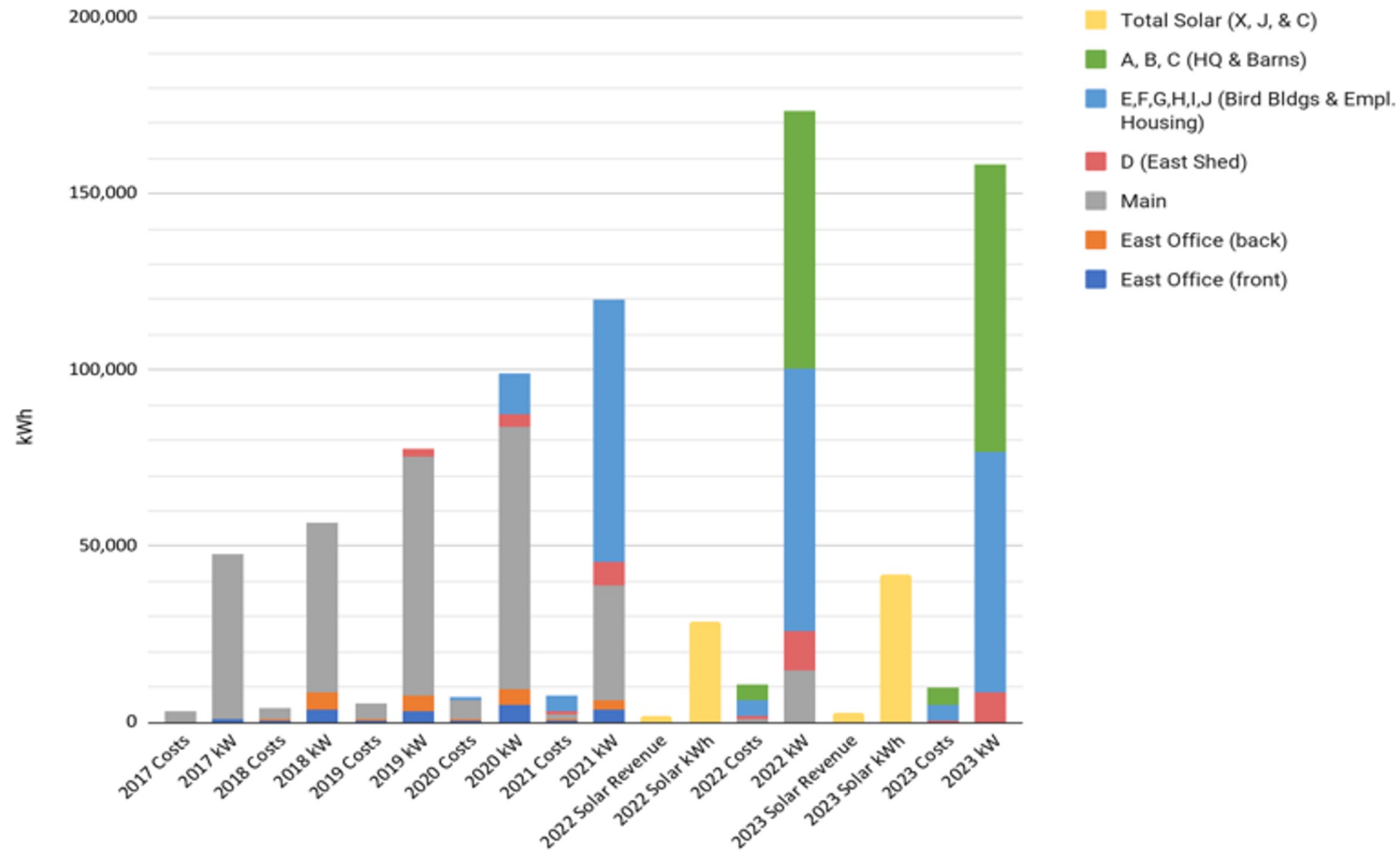
Producing 57,000 kWh/Year



- 81,756 lbs CO₂ Avoided Per Year
- 45,250 lbs of coal NOT burned
- 1,531 incandescent lamps switched to LEDs
- 668 tree seedlings grown for 10 years

TRACKING, REDUCING, OFFSETTING

Energy Usage and Costs 2017-2023



CHALLENGES & OPPORTUNITIES

- Big ticket items
 - What does green power mean to a raptor conservation organization?
 - Timing
-
- Educating staff, volunteers, public
 - Replacing vehicles
 - Utilizing new transit options





JACKSON HOLE AIRPORT



SUSTAINABLE BUSINESS LEADERS

Climate Action Approach

Jackson Hole Airport Mission & Vision

“To be a globally recognized leader delivering a unique guest experience derived from our rich western history, an unwavering commitment to environmental stewardship, a culture based on people helping people.”

January 9, 2024 The Power of a Point - thepopp.com

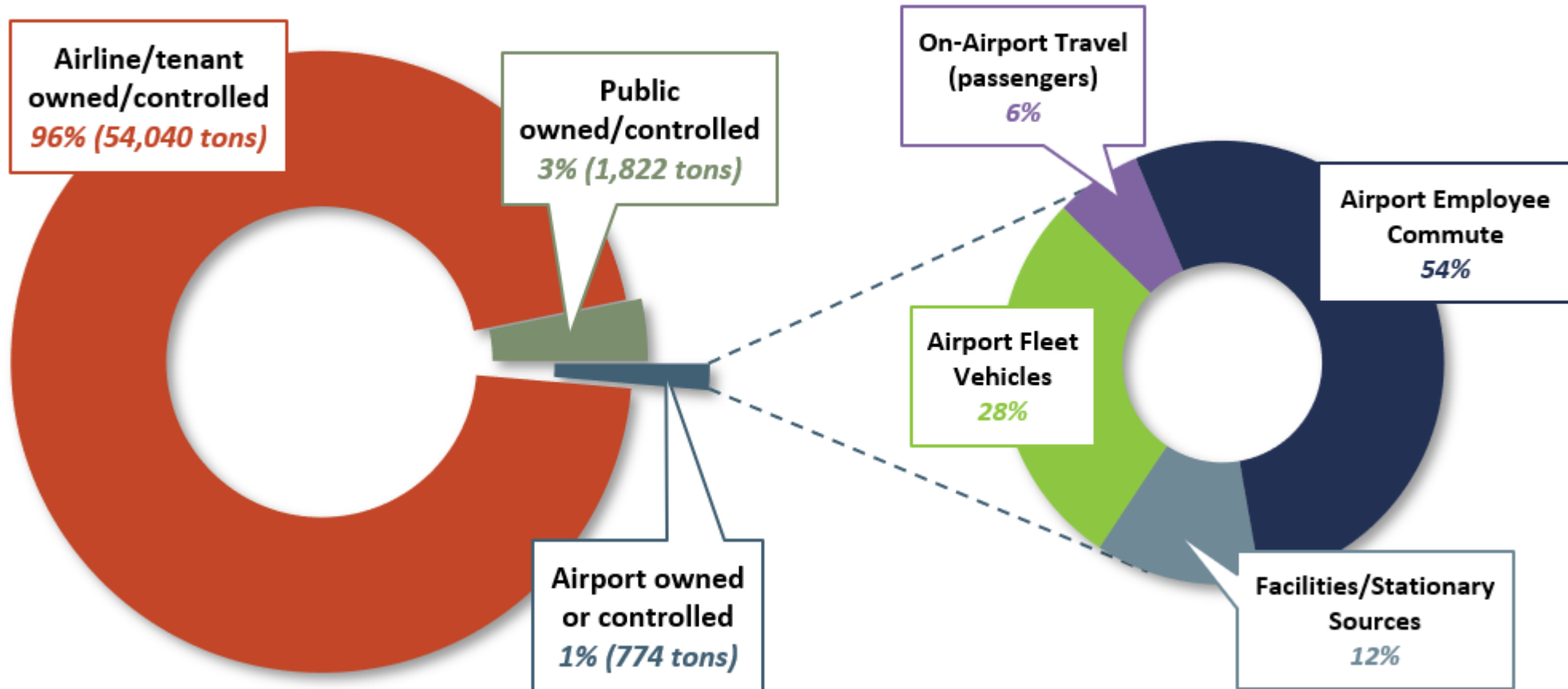
Operating Inside Grand Teton National Park



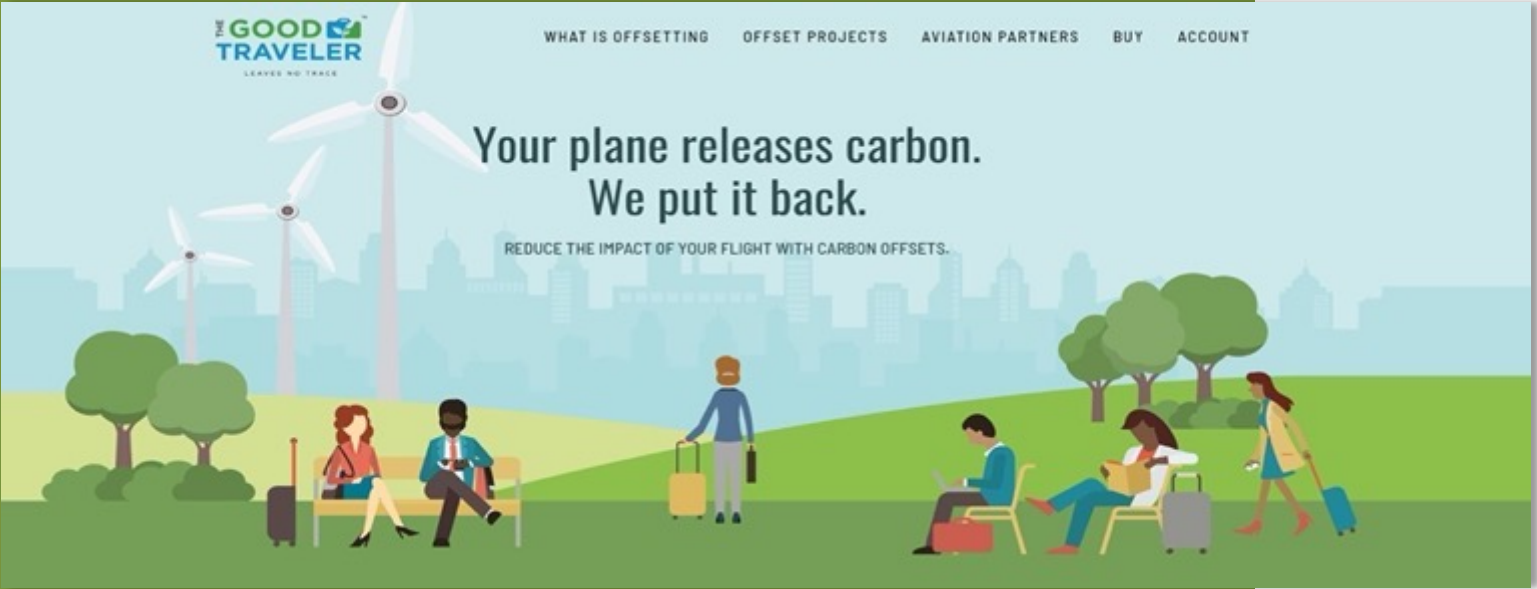


GHG Inventory

2017 Airport-Wide Greenhouse Gas Emissions (56,363 Total Tons)



Carbon Reduction Efforts & Goals



ESTIMATE YOUR FLIGHT'S CARBON IMPACT

By Distance

Flight Details

▲
1
▼

 NUMBER OF TRAVELERS

☒ ONE WAY
☐ ROUND TRIP

OFFSET = \$11.98

[PURCHASE CARBON OFFSETS](#)

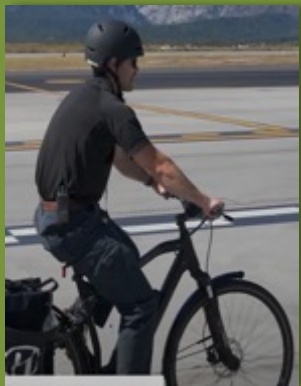
YOUR OFFSET:

1996
MILES OF FLIGHT

1004 KG
OF CARBON DIOXIDE



Carbon Reduction Efforts & Goals



Teton Climate Action Partnership



Challenges:



THANK YOU!

Meg Jenkins, Communications Manager
megan.jenkins@ihairport.org

www.jacksonholeairport.com/community/environmental-innitiatives

**CONNECTING TO
COMMUNITY VALUES,
JAC HAS TAKEN AN
ACTIVE ROLE IN
ENVIRONMENTAL
STEWARDSHIP**

- Recycling, Reuse Recycle Business Leader
- liquid Waste Diversion
- Restaurant Back-of-the House Composting
- Good Traveler Carbon Offset Program
- LEED certifications
- Fly Quiet Program
- PFAS Management, Mitigation and Remediation Plan
- Best Certification – Business Emerald Sustainability Tier
- Dark Skies Initiative Compliant
- Bear Spray Rental Program
- EV Charging Stations
- Hydration Stations
- Glycol Capture Pad

RUNWAY 1/19 RECONSTRUCTION PROJECT – \$44.3M

Schedule I, Phase 1:

Drainage, Paved RSA, and
Material Import

July 6 – Oct 16, 2021

Schedule I, Phase 2:

RW 1/19 Reconstruct (78-day
Runway closure)

Apr 11 – Jun 27, 2022

Schedule I, Phase 3:

RW 1/19 Grooving & Striping

July – Sept 2022



JAC Runway Reconstruction

- Weekly Pushes on Social Media
- Updates Every Two Weeks with Local Chamber
- Monthly Elected Officials and Agency Briefings



JAC Construction Update Vlog: Episode 6



Isaac is joined by Dustin Havel, Assistant Airport Director – Operations, to highlight some of the project updates in the parking, restaurant and runway areas of the Airport.

CONNECTING WITH THE COMMUNITY
Isaac and his blog...







JACKSON HOLE
← AIRPORT



REACHING OUR TARGET!

- **New runway**
- **On-time reopening**
- **Happy Contractor...Happy Airport**
- **No complaints!**





Lessons Learned

- **Moving the “Projects” page**
- **FAA flight check notifications**
- **Missed opportunity for community event**

Your plane releases carbon.
We put it back.

REDUCE THE IMPACT OF YOUR FLIGHT WITH CARBON OFFSETS

ESTIMATE YOUR FLIGHT'S CARBON IMPACT

By Distance

JAC - Jackson, Wyoming, United States

BOS - Boston, Massachusetts, United States

Flight Details



1

NUMBER OF TRAVELERS



ONE WAY



ROUND TRIP

OFFSET = \$11.98

PURCHASE CARBON OFFSETS



YOUR OFFSET:



1996

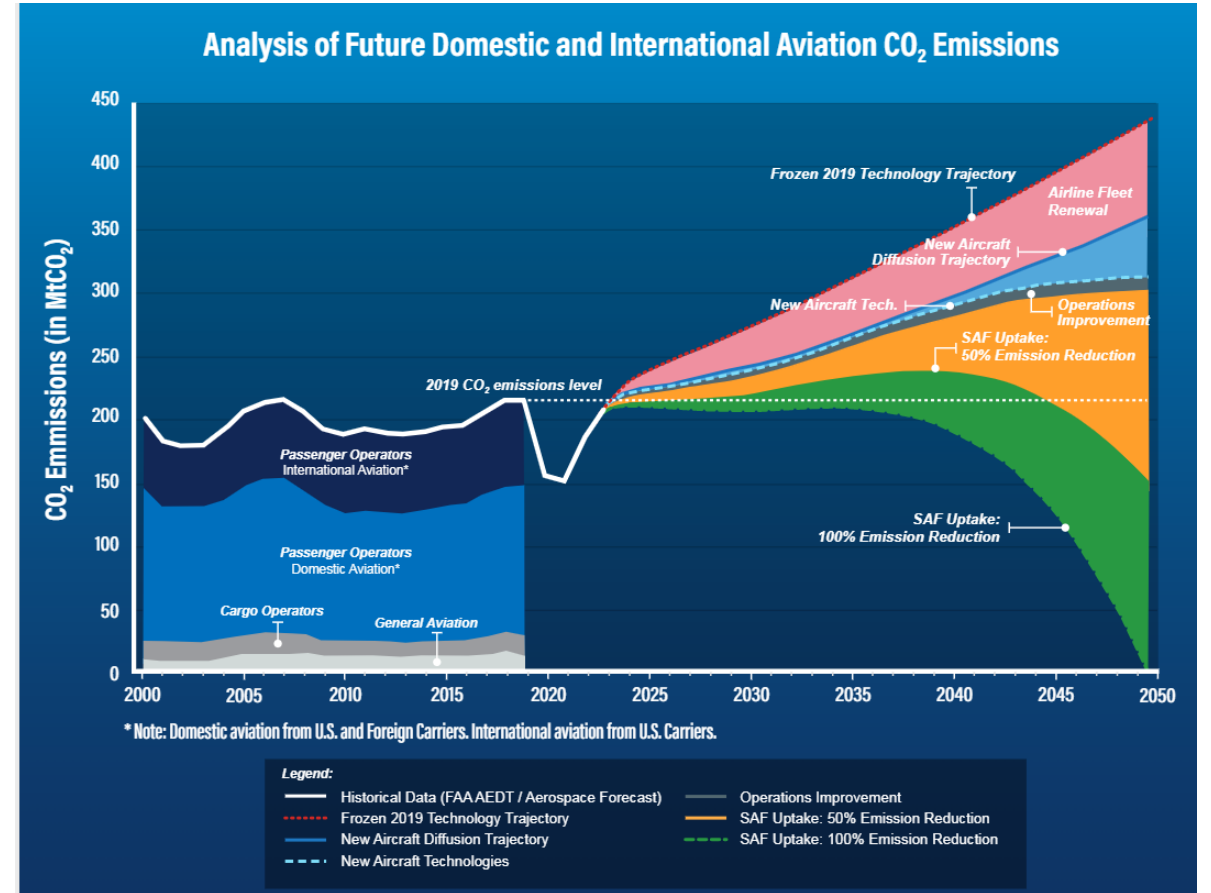
MILES OF FLIGHT



1004 KG

OF CARBON DIOXIDE









YELLOWSTONE SAFARI CO

SUSTAINABILITY INITIATIVES

Sustainability Team;

Ash Tallmadge (GM)

Matt Scott (CEO/Owner)

Mary Bess (Director of Marketing/Special Projects)

YSC Team; Rae Rediske (Naturalist)

Gabrielle Murray (Naturalist)

Grant Johnson (Naturalist)

ABOUT US

YSC began its Sustainability Initiatives at the purchase of the 25-year-old company in Dec, 2020

YSC followed the lead of sister program at Jackson Hole Wildlife Safaris (BEST Certified)

We stripped down to the core, and built back each and every program within the company in order to align with the highest benchmarks of Sustainability goals



YSC CARBON EMISSIONS AND CARBON FOOTPRINT



CARBON EMISSIONS: VEHICLES

We drive 300 miles a day in gas and diesel dependent vehicles

CARBON EMISSIONS: VISITORS AND TRAVEL

Our visitors travel long distances before arrival and utilizing our services

CARBON EMISSIONS: WASTE

We produce waste from packaging, food and supplies

Compost/Trash/Recycling

RESOURCE IMPACT

We engage in use of protected natural resource at our office and in the National Park Service

RESOURCE CONSUMPTION

We utilize water, energy and other resources in order to perform our services

Tracking Our Use

Energy Tracking

Normative Carbon Accounting Engine

- *Scope 1,2,3 Emissions Tracking

- *Energy and Water Bills

Team Accountability

- *End of day reporting
- *Updating Spreadsheets
- *Using our Sustainability Management Plan



Changes We have Made

Examples of YSC Efforts

- *Changed All lights to LED and purchase 60% Renewable Energy
- *Streamlined our Purchasing protocols to prioritize organic and compostable
- *Built 0% Waste Picnic Lunch
- *Changed our Water Bottles to US made and recyclable
- *Donate, Upcycle or Recycle before Waste



CHALLENGES WE FACE



NATURE OF OUR BUSINESS

- +We run vehicles in the National Parks
- +Tourism Industry can be consumptive



LIMITATIONS OF ELECTRIC INDUSTRY

- +Charging Stations,
- +Charging Times,
- +Mileage Capabilities
- +Cost of New vehicles



TIMELINE FOR RESULTS

- +Having the long view for positive environmental impact
- +Patience in Industry and Engineering



CLIMATE CHANGE INEVITABILITY

- +Changing weather patterns decrease moisture, increase fire season, changes wildlife movements
- +Increase interest in National Parks, increase use
- +Moderation of sustainable tourism



SOLUTIONS AND PROJECTS

PARTNERSHIP WITH Greater Yellowstone Coalition

Grassroots Efforts; **1%**

- *Prairielands
- *Tree planting
- *Bison/mammal reestablishment
- *Tribal sovereignty

CONTRIBUTION TO LOCAL NON-PROFITS

- *American Prairie
- *Pte Group and Intertribal Buffalo Council
- *Gallatin Valley Land Trust

EMISSIONS REDUCTIONS

- *Move to Electric/Hybrid Vehicles
- +Training Team in Sustainable practices, community involvement, encouragement of innovation

TRACKING AND MONITORING; SYSTEMS

- Waste Tracking
- Energy Tracking
- Mileage/Usage Tracking

FUTURE
RESILIENCY

Adaptability

+Innovation with Company Protocols

+Continuing Interfacing with Customers

+Review and update of Company efforts



A landscape photograph featuring a field of tall, green grass in the foreground. A narrow, dark path or ditch winds through the field towards the horizon. The background shows a line of trees and a sky with soft, golden light, suggesting a sunset or sunrise. A semi-transparent yellow rectangular box is centered over the middle of the image, containing the text '~YSC HAS HIGH HOPES~' in a bold, yellow, sans-serif font.

~YSC HAS
HIGH HOPES~

UPGRADING INDUSTRY STANDARDS



RESEARCH

YSC employs a team dedicated to research, comparison analysis, and analysis of customer feedback

PASSION

Our team brings consistent awareness of our impact to the public, and community

DESIGN

Simplifying our protocols to minimize our impact

Leading the Pack



Yellowstone Safari Co Business Ethics

+Our product is priced to be inclusive and to accommodate our high values and ethics

+Our Protocols are focuses on highest quality, lowest impact

+We participate and vocalize our community efforts

+Jackson Hole Wildlife Safaris and Yellowstone Safari Co are the first tour companies, and the first company in Montana to achieve BEST certification

SUMMARY

YSC believes in change when change is needed. Small efforts can make a big difference over the course of time. We recognize our impact and make consistent efforts to offset it. We employ a passionate team who believes in our goals and shares them with our customers and our community.



THANK YOU

Ash Tallmadge

406-586-1155

ash@yellowstonesafari.com

www.yellowstonesafari.com



BEST CERTIFIED LEADERS

The following have achieved BEST Certification in the Greater Yellowstone region:

- . Bentwood Inn**
- . Elk Refuge Inn**
- . Flat Creek Ranch**
- . Hidden Hollow Apartments**
- . Jackson Hole Airport**
- . Jackson Hole Wildlife Safaris**
- . Jackson Lake Lodge**
- . Rendezvous River Sports**
- . Signal Mountain Lodge**
- . Teton Raptor Center**
- . Yellowstone National Park Lodges**
- . Yellowstone Safari Company**

BEST PROGRAM IMPACTS

The following are the characteristics of BEST Certified Leaders (BCLs) and the results they are achieving with the support of the BEST Program:

- Running renewable energy systems (solar or geothermal) = 25% of BCLs
- Replacing lights with LEDs = 100%
- Own energy efficient equipment and appliances = 100%
- Conducted energy audits / analyses = 83%
- Incentivizing employees with alternatives to SOV commuting = 75%
- Own EVs and/or providing EV charging stations = 50%
- Buying Green Power from LVE or other utility = 92%
- Purchasing carbon offsets = 25%
- Reducing energy / fuel use, costs, and carbon emissions = 1-10% reduction by 66% of BCLs
- Maintain Waste Diversion Rate:
 - Average of 68%
 - Median of 80%
 - Range of 18 – 90%