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The 2023 Green Sports Alliance Summit spanned 3 days in Seattle, Washington, and focused on Intention, Action, and Impact. We gathered players, leaders, and champions in the sports and entertainment industries to showcase how venues, teams, leagues, organizations, athletes, and corporate partners around the globe are taking action and creating an impact on both the environmental and social challenges our communities face.

Our Day Zero Venue Host, Lumen Field, helped us gather a record-breaking attendance of industry leaders for the Kick-off Networking Reception. Our Day One and Day Two partners, Climate Pledge Arena, hosted networking events, panel discussions, fireside chats, solution sessions, and delicious food for our diverse group of attendees and green sports and entertainment stakeholders.

The Green Sports Alliance was proud to host a successful Summit in Seattle and remains committed to bringing together leaders throughout the sports industry at future Summits and new convenings in the future. The time is now to Play to Zero!

Having attended every Summit from 2013, I can honestly say this was an incredibly valuable GSA Summit. The room was electric. The roundtables were highly insightful and the innovation hub exhibits and networking opportunities created many valuable new contacts for me. The 2023 Green Sports Alliance Summit in Seattle at Climate Pledge Arena and Lumen Field set a new bar - can’t wait to reconvene! - Aileen McManamon, 5T Sports Group
ATTENDEE BREAKDOWN

679 Registered Attendees

TOP 5 INDUSTRIES
1. Energy & Utilities
2. Stadium or Venue
3. Sports League or Team
4. Food & Beverage
5. Engineering & Agriculture

COMMON JOB TITLES
- Managers
- Directors
- Presidents (VP & above)
- C-Suite
- Coordinators
- Interns and Athletes

Click here to view the full Attendee Breakdown

172 Cities Represented
15 Countries Represented

“We’re stronger together and the Green Sports Alliance Summit provides sports organizations a chance to bring their sustainability challenges to the table and walk away with solutions in a way that no other event can!” - Lauren Guidotti, Indianapolis Motor Speedway
EXHIBITORS

[Images of various exhibitors' logos and photos of people at the event]

2023 Green Sports Alliance Summit Impact Report
DIGITAL IMPACT

With the contributions of a broad range of attendees and sports + entertainment industry representatives, the 2023 Green Sports Alliance Summit ramped up the public conversation around sustainability.

Media Features:

Green Sports Alliance Releases a Game-Changing Playbook on Building Sustainable Sports and Entertainment Venues for the Next Generation

2023 Green Sports Alliance Summit at Climate Pledge Arena June 2023

Allianz Field Awarded For Efforts to Become a Zero Waste Venue


Green Sports Alliance Summit to be Held in Seattle

WinCup Joins Green Sports Alliance As Official Program Partner

Green Sports Alliance Unveils Groundbreaking Playbook On Water Protection and Restoration for Sports and Entertainment

LinkedIn Impressions
160K

Increased Followers
151%

Instagram Reach
6K

#23GSASUMMIT

2023 Green Sports Alliance Summit Impact Report
ENVIRONMENTAL CONSIDERATIONS

Carbon Zero
No fossil fuel consumption in the arena for daily use. All mechanical systems, gas combustion engines, heating, dehumidification, and cooking were converted to electric power.

Solar panels on the Alaska Airlines Atrium and 1st Ave Garage combined with off-site supplementary renewable energy provide 100% renewable energy power.

Reducing all carbon emission activities and offsetting all those we can not – like transportation – by purchasing credible carbon offsets.

Water Conservation
Our “Rain to Rink” system harvests water off the roof, collects it into a 15,000 gallon cistern, and turns it into the greenest ice in the NHL. Significant on-site retention tanks reduce stormwater runoff.

Waterless urinals and ultra-efficient showers were installed throughout the building. Inclusion of water bottle filling stations throughout the arena.

Zero Waste
By greatly simplifying our supply chain we will target a 95%+ diversion rate, which is considered ‘zero waste’ in the industry. Consumer education, beautiful and simple infographics, and on-site sorting allow us to reach this unprecedented level of performance.

We compost our waste and recycle extensively throughout the arena.

The Green Sports Alliance supplemented Climate Pledge Arena’s environmental capabilities through the following initiatives:

- Provided a procurement guide to Innovation Hub Exhibitors and In-Kind Vendors
- Provided a sustainability guide to each Summit Attendee
Provided a procurement guide to vendors (click to read).

**Commitment:** The Green Sports Alliance and Climate Pledge Arena are committed to reducing our environmental impact and operating as a functionally zero waste facility. One of the key ways we can achieve this goal is through our purchasing decisions. By carefully selecting products and services that align with our environmental values, we can reduce waste, conserve resources, and minimize our carbon footprint.

**Purpose:** This policy outlines our guidelines and expectations for all purchasing activities at Climate Pledge Arena. It is intended to provide clear and consistent direction to our staff, suppliers, and partners on our environmental priorities and standards. This policy aims to minimize waste generation, promote resource conservation, and ensure compliance with local environmental regulations.

**Food and Beverage Serveware:** We gave strict guidelines of what vendors could and could not bring in to the venue that aligned with what could truly be composted and recycled in Seattle.

**Food:** We supplied vegan, vegetarian, and allergy sensitive food.

**Booths and Brand Displays:** We encouraged vendors to opt for durable and reusable options and to use local vendors to limit shipping.

**Swag and Giveaways:** We encouraged the avoidance of giveaways and opted for digital swag.
Provided a Sustainability Guide to Attendees (Click to Read).

We tracked, to our best ability, Scope 1, 2, and several Scope 3 (travel and transportation) emissions:
- Collected energy and water data from Climate Pledge Aren, Lumen Field, hotels, and other relevant host sites.
- Partnered with Purpose Net Zero for Scope 3 travel emissions. Guests were asked to share their travel information upon registration.

*Strive by STX* provided the carbon offset of our entire calculated impact from the event. All 277 MTCDE of verified carbon offsets were retired from the Verra Registry from the Capicorn Ridge 4 Windram. Please see the appendix to see the certificate of retirement.

**Transportation:** Public transportation is readily available to Climate Pledge Arena and free Monorail transportation was offered with a Summit ticket. Given the dense location of the arena to hotels, walking, bike shares, and use of scooters was widely encouraged as well.

**Water:** We encouraged guests to bring their own water bottles and offered additional water filling opportunities.

**Waste:** Signage for attendees to separate their waste as well as additional top-sorting was provided by Eco-Products. Additionally, all waste was sorted at Lumen Field and Climate Pledge Arena as a part of their everyday operations.

In Partnership with The Vomela Companies and the AZEK Company, we ensured circularity of 300 pounds of event signage:

Please see the Appendix for a full signage sustainability report. **Note:** All other signage was either recycled, or will be reused at the 2024 Summit.
ENVIRONMENTAL IMPACT

Waste Diversion Rate
90%
Across Lumen Field & Climate Pledge Arena

Total GHG Inventory
277 MTCDE
Our scope included Load-in to Load Out and Scope 1, Scope 2 + High Impact Scope 3 Emissions: All Transportation (staff and attendee flights, ground transit)

THANK YOU EVENT GREENING PARTNERS:

ECO PRODUCTS®
PURPOSE NET ZERO™
PLAY TO ZERO by STX

Please see the Appendix for all relevant data supporting the 2023 Green Sports Alliance Environmental Impact Report.
The annual **Play to Zero Awards** are for sports organizations that can show through the Play to Zero platform or other tracking platforms 30-100% reduction or diversion in Waste, Water, or Energy at their venue. These quantitative reductions are based on a year-to-year comparison of a baseline usage figure to a performance period figure. Because sports venues are dynamic and have various event types, attendance, and local climate considerations, it is nearly impossible to compare venues against one another. As such, the Play to Zero Awards aim to highlight continuous improvement for each venue, based on their own baseline performance.

- **Player** - 30% reduction for energy or water or 30% diversion rate
- **Leader** - 50% reduction for energy or water or 50% diversion rate
- **Champion** - 100% reduction for energy or water or 90% waste diversion rate

The **Play to Zero Innovation Awards** are for teams, venues, individuals, initiatives or programs that have shown leadership in their organization regarding sustainability, social justice, or environmental justice. These qualitative awards aim to highlight initiatives/programs that are having a positive impact outside of the quantitative Play to Zero Awards.

---

**Play to Zero Awards**

- **Minnesota United FC/Allianz Field**: Waste Player Award
- **Austin FC/Q2 Stadium**: Waste Leader and Energy Player Awards
- **Philadelphia Eagles/Lincoln Financial Field**: Energy Champion Award
- **Kansas City Chiefs/Arrowhead Stadium**: Waste Player Award
- **World Surf League**: Waste Leader and Energy Champion Awards
- **Ohio State University**: Waste Champion Award
- **Portland Trailblazers/Moda Center**: Energy Champion Award
- **Allegiant Stadium**: Waste Leader Award
- **Waste Management Phoenix Open**: Waste Champion, Energy Champion, and Water Leader Awards

**Play to Zero Innovation Awards**

- **Miami Heat and Broward County Schools**: Innovation Award
- **University of Georgia**: Innovation Award
- **Seattle Kraken and Under One Roof Foundation**: Innovation Award
- **Seattle Sounders FC**: Innovation Award
SUMMIT HIGHLIGHTS

2023 Green Sports Alliance Summit
Student and Athlete Scholarships

- Yiying Chen, University of Michigan
- Joy Ralaboarisoa, University of Ottawa

Sponsored by:

Green Sports Alliance Legacy Award

Recognizing the Guidance, Mentorship, Vision and Dedication to Sustainable Sports.

Scott Jenkins
Co-founder
Green Sports Pioneer
12 Year Board Chair
SUMMIT PROGRAM

DAY ZERO

**Venue Tours:** An opportunity to visit and learn about the sustainable aspects of local stadiums and arenas. They offer insight into local best practices for waste diversion, energy efficiency, and water use and reduction best practices.

**Lumen Field:** Home to Seattle Seahawks, Sounders FC, OL Reign and Sea Dragons

**Climate Pledge Arena:** Home to Seattle Storm, Kraken and Redhawks

**University of Washington, Husky Stadium**

**Community Impact Event:** The Green Sports Alliance Foundation and NFL Green was proud to partner with the Duwamish River Community Coalition (DRCC) to discuss the crucial issues of water inequity and environmental injustice in the beloved city of Seattle. In collaboration with Pier 57, attendees had the opportunity to join a 2-hour interactive and guided boat tour through the Puget Sound and Duwamish River. Attendees heard directly from community leaders on the environmental, social, and economic impacts of pollution and climate change in the South Park neighborhood. The Green Sports Alliance Foundation raised $2,880 to support its programs.

**2023 Summit Kickoff Networking Reception:** Attendees stepped into the electrifying atmosphere of Lumen Field. Folks were immersed in an evening of networking at the intersection of sports, entertainment, and sustainability. Curated by Levy Restaurants and First & Goal, attendees enjoyed delicious locally sourced cuisine, carefully crafted to give the true Emerald City experience, with drinks provided by the Green Sports Alliance. With a performance by JazzED, attendees took a moment to exchange INTENTION, forge ACTION, and ignite IMPACT to reshape the future of sports and entertainment.

Sponsored by: NFL

Sponsored by: Seattle Jacob's Pillow

Sponsored by: Seattle Seahawks

Sponsored by: Seattle Storm

Sponsored by: Seattle Kraken

Sponsored by: Seattle Redhawks
SUMMIT PROGRAM

DAY ONE

Emcees:
- Jen Mueller, ROOT Sports
- Kunal Merchant, Revitate

Guest Speakers:
- Radhika Fox, Assistant Administrator, Office of U.S. EPA
- Jay Inslee, Governor of Washington
- Bruce Harrell, Mayor of Seattle

Main Stage Sessions:
- Sports Ecosystem Must Address Environmental Justice: A Local Perspective
- You Could Have Named It Anything
- Athletes/Artists and Brands: Leading with Authenticity, Purpose and Impact
- The Unlimited Power of Her Voice and Impact
- Teams, Venues and a Circuit Weigh In on Sustainability
- Driving Progress in New and Already Developed Programs
- A New Paradigm for Sponsorships: A Perspective from Germany
- Leaning Into What Athletes Care About and Where They Want Their Money to Go
- One Idea Planted with One Tree Planted
- Building for the Next Generation - A Playbook on Green Building Leadership
- Connecting the ‘E’ and ‘S’ and Shifting Stakeholders
- Insights from a CEO Who Has Put a Stake in the Ground
- The Role of Ownership in Catalyzing the Sustainability Movement
- Ingredients for Successful Partnerships

Solution Sessions:
- Building for the Next Generation Playbook: Deconstructing the Construction Process
  - Speakers: Michael Kraus, Josh Mosko, Diana Nelson | AA, LEED AP, Brian Antonson, Joel Good, Cameron Funk
- All Sports Are Water Sports: A Playbook for Sports and Entertainment Venue Leadership on Water
  - Speakers: Dune Ives, Mami Hara, Benjamin Eliah
- Intention to impact proudly sponsored by DOW
  - Speakers: Jonathan Smith, Lee Spivak, Brazos Barber
- Using Certified Compostable Products to Achieve Organics Diversion at Scale
  - Speakers: Wendell Smisson, Megan Jorgensen, Rhodes Vepsen, Alan Horowitz
- Perspectives From The Fields: Advancing the Reuse Economy
  - Speakers: Erik Dieter, Pat Kaufman, Michael Martin, Ashima Sukhdev
- Innovations From Land and Sea to Reduce Your Footprint
  - Speakers: Sea Briganti, Justin Kamine
- Climate Pledge Arena - Best Practices in a Comprehensive Waste Diversion Program
  - Speakers: Brauna Treed, Jon Summeister
- Innovation Solutions in Waste Sorting at Large Venues and Events
  - Speakers: Christy Briggs, Brie Kuhn

Main Stage Speakers:
- Kunal Merchant, Partnerships and Engagement Lead, The Climate Pledge, Amazon
- Rob Johnson, Senior Vice President, Sustainability and Transportation, Seattle Kraken and Climate Pledge Arena
- Lauren Walsh, Executive Vice President, Brand and Marketing, Quality Control Music/QC Sports
- Denise Melanson, Senior Director of Social Impact, Wasserman
- Rob Thomas, Vice President, AEG Presents Pacific Northwest
- Dune Ives, CEO, Movements That Matter and GSA Board Member
- Hilary Meyer, SVP Impact, Athletes Unlimited
- Molly McCoage, Manager of CARE and Coordination, Athletes Unlimited
- Brittany Soulsbury, Sustainability Operations Manager, Portland Trail Blazers
- Riley Nelson, Head of Sustainability, NASCAR
- Samantha Johnson, Senior Vice President, Sales, Allegiant
- Sofi Armenian, Head of Sustainability, State Farm Arena/Atlanta Hawks
- Brandon Hamilton, Vice President of Stadium Operations and Facilities, Kansas City Chiefs and GSA Board Member
- Logan Weddie, Sustainability Program Leader, Penske Entertainment
- Michael Prairie, Director, Special Events and Business Optimization, FTX Arena and Florida Panthers
- Monica Rowand, Project Manager, WM Advisory Services
- Matt Hill, Chief Environmental Optimist, One Tree Planted
- Michelle Rosar, Vice President, Partnership Marketing, Philadelphia Union
- Chris Dickerson, former MLB player and Co-Founder, Players for the Planet
- Jason Twill, Principal & National Practice Lead Virdis Initiative
- Rebecca Stay, NFL Players’ Association Registered Institutional Player Financial Advisor from Morgan Stanley
- Ian McDoom, Director of Engineering, Golden State Warriors and GSA Board Member
- Kelly Holton, Brand Activation Director, Populous
- Amy Martinez, Client Director, APTIM
- Scott Neas, USA Sales Director Assurance, BSI Group
- Michael Kraus, Director of Sustainable Events and Analytics, Green Sports Alliance
- Stefan Wagner, Head of Corporate Development, TSG Hoffenheim
- Allan McManamon, Founder and Managing Partner, ST Sports Group and GSA Board Chair
- Roger McClendon, Executive Director, Green Sports Alliance
- Radha Balani, Managing Partner, think beyound
- Dr. Susie Tomson, Senior Partner, think beyound
- Dean Allen, CEO and Chairman of McKinstry
- Catie Dubock-Jones, CEO, Ecoworks Studio and GSA Board Member
- Chef Molly DeMers, Executive Chef, Delaware North—Climate Pledge Arena
- Debbie Friedel, Head of Sustainability, Delaware North
- Cherrylee Cruz, Strategic Development Director, Front of House
- Rob Johnson, SVP of Sustainability and Transportation, Seattle Kraken and Climate Pledge Arena

Click here to watch 2023 Summit Series on YouTube
SUMMIT PROGRAM

DAY ONE

“GSA was a wonderful Summit with a lot of talented and smart people doing amazing work. It was truly an educational learning experience, and it was refreshing/motivating to get back to work equipped with new knowledge. -David Taylor, Texas A&M University

Click here to watch 2023 Summit Series on YouTube
SUMMIT PROGRAM

DAY TWO

Emcees:
- Norman Voss, Philadelphia Eagles
- Susan Beverly, Amazon

Guest Speakers:
- Administrator Casey Sixkiller, EPA Region 10
- Alex Meacham, Shining Star AAU
- James Wilks, Gamechangers Institute

Main Stage Sessions:
- Leadership Today: A Conversation with Seattle Business Leaders
- A Seattle Collaboration Around All-Star Game, NHL Winter Classic, NCAA Super Regional
- Building a Bridge: An Athlete’s Vision and Impact
- Sports Journalism’s Vital Role: How to Include Climate Action and Social Justice in Sports Coverage
- Session Introduction by James Wilks
- The Future of Food is A Game Changer
- Sustainability is Integral to the Success of Global Events
- Global Perspectives from the 14th Century to the Future
- Issues That Matter to the Next Generation and Their Impact
- Partnerships are Key to Moving Fast and Moving the Needle
- No Time to Wait – Urgent Action Required
- Audience Engagement: Collective Action on A Big Idea

Solution Sessions:
- How Blockchain and Sports Can Inspire Climate Action
  - Speaker: Xabih Cazador
- Incorporating Environmental Stewardship Into Your Fandom: FC Barcelona X Plastiks
  - Speakers: Ana Aguilar Meca, Jordi Mompart, Anna Soler, Eric Maidenberg
- Let’s Talk Trash
  - Speaker: Eric Vandiggelen
- Compostable Packaging – New Developments from Front of House to Back of House
  - Speaker: Brandon Hamilton
- Sustainable Buildings – Net Zero is the Hero
  - Speaker: Andrew Rhodes, Brianna Treat
- Faster, Longer, Greener – The Ultimate Road Marking Alternative
  - Speaker: Eric Vandiggelen
- Monetizing Sustainability
  - Speaker: Stefan Wagner, Aileen McManamon

Roundtable Discussions:
- WOMEN’S VOICE with Athletes Unlimited
- ESG with thinkBeyond
- EPA with Region 10 EPA
- PURPOSEFUL LIFE
- GSA Q&A – Can ask the team anything!
- URGENCY OF WATER
- WASTE Climate Impact Through Compostability with NatureWorks
- FIFA
- GLOBAL with Netherlands
- AMAZON
- INNOVATION with Global Sport Institute
- UNIVERSITIES
- SUSTAINABLE GOLF
- MERCEDES-BENZ on "Creating Culture"
- SCOPE 3 with Agendi

Main Stage Speakers:
- Mary Klipp, President, Puget Sound Energy
- Add Healey, Chief Real Estate Officer, Vulcan
- Ash Awad, President and Chief Market Officer, McKinsey
- Brianna Treat, Director of Sustainability, Seattle Kraken/Climate Pledge Arena
- Christy Briggs, Logistics and Sustainability Manager, Lumen Field/Seattle Seahawks
- Michelle Haines, Vice President, Marketing and Ticketing, OL Reign
- Jessica Ivey, Senior Director of Marketing and Communications, Seattle Seahawks
- More More, Head of Content and Marketing, Seattle Sports Commission
- Jen Mueller, ROOT SPORTS and
- Aileen McManamon, Founder and Managing Partner, ST Sports Group and Board Chair of the Green Sports Alliance
- Chad Sams, CEO and Co-Founder, Wicked Foods and Gathered Foods
- Chef Richard Grab, Director, Culinary Innovation, Aramark Sports + Entertainment
- Carrie Bullock-Jones, CEO, Ecoworks Studio and GSA Board Member
- Sunny Sohrabian, Director, Sustainability, LA28
- Adam Duvenbach, Vice President, Operations, Dignity Health Sports Park (AES) and LA Galaxy
- Federico Addiechi, Head of Sustainability, FIFA
- Dune Ives, CEO, Movements That Matter and GSA Board Member
- Rita Nehme, Social Impact and Sustainability Manager, Richmond FC in Australia
- Karen Williams-Mickey, VP, Diversity, Equity and Inclusion, Seattle Seahawks
- Jordi Mempart, Director of Research, FC Barcelona
- Paula Freitas, Senior Sustainability Manager, FIFA
- Maurice Ouderaad, International Sports Business with Consulate of the Netherlands and Founder of One Love
- Uizzy Anest, Sustainability Coordinator, Clemson University
- Hunter Scully, Zero Waste Athletics Intern, University of Georgia, Office of Sustainability
- Scot Oberpelt, Associate Athletics Director, Facilities, Operations and Sports Fields, Texas A&M
- Karen Beebe, Assistant Athletic Director, University of Washington
- Dawn Brown, Senior Manager, Stadium Tours & Education Programs and Sustainability, AMB Group | Mercedes-Benz Stadium
- Leah Ford, Senior Global Marketing & Communications Manager, NatureWorks
- Nick Otto, Senior Director, Stadium Operations, Austin FC
- Jordan Enke, Senior Vice President, Stadium Operations, Austin FC
- Rick Fraumann, Director, Sales, Okapi Environmental Services
- Andrew Bohenko, Sustainability Initiatives Manager, Mercedes-Benz Stadium
- Austin Wentworth, CEO,eloAmerica, Strive by STX
- Jen Mueller, ROOT Sports Network
- Lew Bluestein, Founder and CEO, EcoAthletes
- Jeff Konevski, Associate Director, Innovation Programs, Global Sport Institute at Arizona State University

Click here to watch 2023 Summit Series on YouTube
The Green Sports Alliance Summit gives our future the platform and voice to make the change.  

- Joessy Torres, Front of House
Shout out to the Green Sports Alliance and staff for putting on what in my opinion was the best summit yet. The amazing turnout from members of the sporting and sustainability services community. It was as a dedicated and highly motivated group as there’s ever been. This event continues to be THE space to strategize towards a better future for sport and the health of our planet.  

-Chris Dickerson, Players for the Planet

The **Green Sports Alliance** leverages the cultural and market influence of sports to promote healthy, sustainable communities where people work, live and play.
SPECIAL THANK YOU

THANK YOU MEDIA PARTNERS

THANK YOU COMMUNITY PARTNERS

THANK YOU PROMOTIONAL PARTNERS

THANK YOU TO GREEN SPORTS ALLIANCE PARTNERS
## Waste Diversion

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<tr>
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<th>Tons</th>
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### Summit Waste Diversion

- **Total Diverted**: 7.4
- **Landfilled**: 0.12
- **Diversion Rate**: 90%
## Waste Diversion

**Climate Pledge Arena Waste Impact Report**  
June 26-29, 2023

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<tr>
<th>Material Stream</th>
<th>Weight (tons)</th>
<th>% of Total</th>
<th>Hauling Mileage</th>
<th>tCO2e*</th>
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<td>2.72</td>
<td>40.9%</td>
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<td>MSW</td>
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<td>Batteries</td>
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<tr>
<td>EPS (Foam)</td>
<td>0.001</td>
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**Total**  
- **Tonage:** 6.7 tons  
- **tCO2e emissions:** 0.446

*Emissions from end-of-life treatment and waste hauling

**Green Sports Alliance Summit at Climate Pledge Arena**  
Waste Generation by Stream

- **89% Diversion**

- **Mixed Recycle:** 41%
- **Compost:** 31%
- **Landfill:** 17%
- **Recycle:** 11%
## APPENDIX

### GHG Inventory

<table>
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<th></th>
<th>Total</th>
<th>Unit</th>
<th>Already Offset</th>
<th>Unit</th>
<th>MTCDE Responsible by GSA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transportation</strong></td>
<td>276.1</td>
<td>MTCDE</td>
<td>0</td>
<td></td>
<td>276</td>
</tr>
<tr>
<td>(flights and ground</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>transportation)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hotel</strong></td>
<td>4.0</td>
<td>MTCDE</td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td><strong>Electricity</strong></td>
<td>180,895.2</td>
<td>kWh</td>
<td>150,176</td>
<td>kWh</td>
<td>4</td>
</tr>
<tr>
<td><strong>Fuel</strong></td>
<td>4.0</td>
<td>MTCDE</td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td><strong>Waste</strong></td>
<td>(11.2)</td>
<td>MTCDE</td>
<td></td>
<td></td>
<td>-11.17</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>277</td>
</tr>
</tbody>
</table>

### Total Summit GHG Footprint

- Transport (flights and ground transportation)
- Hotel
- Electricity
- Fuel
- Waste

92%

-4%

2%

1%

1%
APPENDIX

Purpose Net Zero Data: Scope 3 Transportation

```
<table>
<thead>
<tr>
<th>TRANSPORTATION METHOD</th>
<th>TOTAL CO2E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planes</td>
<td>269.051 Tons (MT)</td>
</tr>
<tr>
<td>Trains</td>
<td>0.548 Tons (MT)</td>
</tr>
<tr>
<td>Automobiles (Personal, Taxi and Rideshare)</td>
<td>6.331 Tons (MT)</td>
</tr>
<tr>
<td>Buses</td>
<td>0.181 Tons (MT)</td>
</tr>
</tbody>
</table>
```

Statistics:
- 276.11 Tons (MT) Total CO2e
- 534 Attendees
- 100% Complete
- 534 Attendees registered
- $2,761.10 CO2e Cost

---

2023 Green Sports Alliance Summit Impact Report 23
APPENDIX

Strive by STX: Carbon Offset Retirement

Certificate of Verified Carbon Unit (VCU) Retirement

Verra, in its capacity as administrator of the Verra Registry, does hereby certify that on 28 Aug 2023, 277 Verified Carbon Units (VCUs) were retired on behalf of:

Green Sports Alliance

Project Name
Capricorn Ridge 4 Wind Farm

VCU Serial Number
6633 35970224 35970500 VCS VCU 260 VER US 1 468 01012019 31122019 0

Additional Certifications
APPENDIX

**Signage Circularity**

Vycom and Return Polymers are affiliates of The AZEK Company, the industry-leading manufacturer of beautiful, low-maintenance, and sustainable outdoor living products. In its fiscal 2022, The AZEK Company diverted approximately 500 million pounds of waste and scrap from landfills, halfway towards its stated goal of using 1 billion pounds of waste and scrap annually in the manufacturing of products across its portfolio, including TimberTech™ composite and PVC decking and AZEK Exteriors™ trim and siding. AZEK also sponsors the TimberTech™ Championship, held annually in Boca Raton, FL. In 2021, the tournament was the first in PGA Tour Champions history to be certified as a zero waste to landfill event, further demonstrating AZEK’s commitment to sustainability.

Return Polymers, located in Ashland, Ohio, is the largest vertically-integrated recycling of PVC in the U.S. and has been collecting and recycling rigid PVC from landfill waste streams for over 30 years. At its core, their business is about diverting PVC scrap destined for landfills back into high quality durable products. Return Polymers takes the role of leading the recycling industry very seriously. The expertise that has been developed and best practices created are being shared and encouraged across the marketplace.

Vycom manufactures market-leading brands of highly innovative plastic sheet products. For the display graphics industry, the company’s printable Celtec® family – including DigiLite®, Woodgrain, and Thick Gauge materials – is the most complete in range of thicknesses, finishes, and textures, for extruded PVC sheets available from a single manufacturer of 100% U.S.-made products.

The Vycom Recycling Program is designed to take back and recycle printed and unprinted rigid PVC and acrylic sheets, as well as scraps and drops from finishing and fabricating. The program is intended for users of rigid PVC, acrylic, and PE products – in coordination with authorized distributors for drop-off or collection – to recycle used signage and scrap, which is returned to company recycling facilities and used to manufacture the company’s residential and commercial outdoor living and exterior products, ensuring these materials do not end up in landfills.

**Utilized to Collect Data for Environmental Considerations:**

- PEAR Calculator
- WARM Calculator
- Purpose Net Zero
2024 GREEN SPORTS ALLIANCE SUMMIT

DATES AND LOCATION LAUNCHING SOON!

www.greensportsalliance.org/summit
info@greensportsalliance.org