



**INTENTION,  
ACTION, *IMPACT.***  
2023  
GREEN SPORTS ALLIANCE SUMMIT

# IMPACT REPORT

# 2023

JUNE 26 - 28  
LUMEN FIELD  
CLIMATE PLEDGE ARENA  
**SEATTLE, WA**



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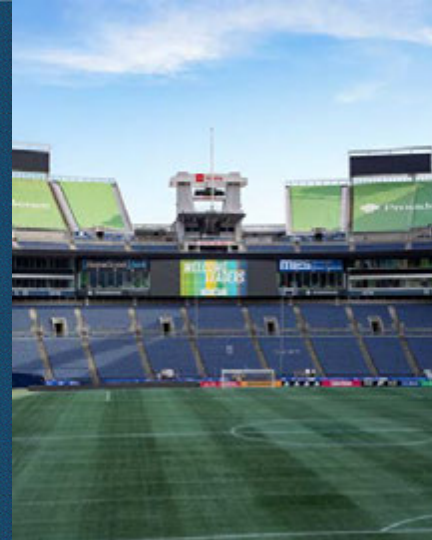


#23GSASUMMIT

 @greensportsalliance

 @sportsalliance

 /Green Sports Alliance



Click to  
view photos:



DAY ZERO,  
ONE & TWO

# SUMMIT BY THE NUMBERS

7

Networking  
Receptions

4

Community  
Partners

1

Community  
Impact Event

3

Local Sports  
Venue Tours

13

Prestigious  
Awardees

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!



40

Sponsors &  
Partners

32

Innovation  
Exhibitors

28

Main Stage  
Sessions

14

Solution  
Sessions

15

Roundtable  
Discussions

“

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

[Click here to view the full Attendee Breakdown](#)

 **679**

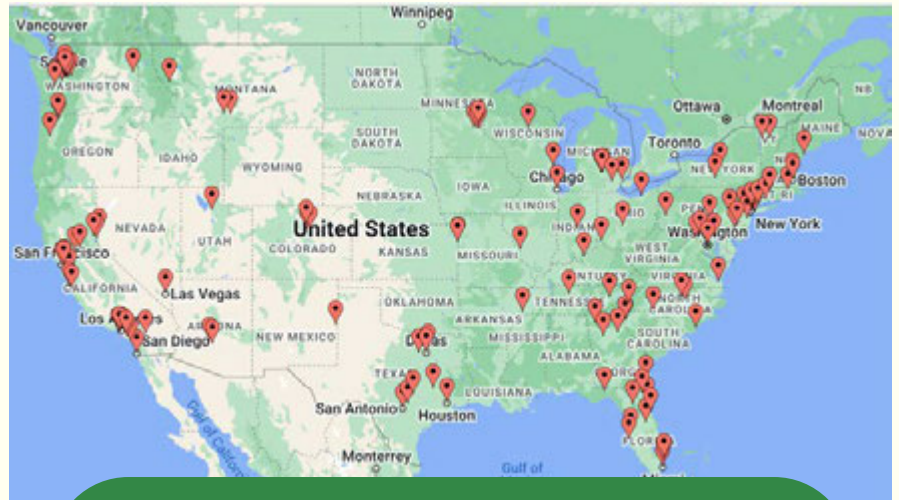
Registered Attendees

## 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

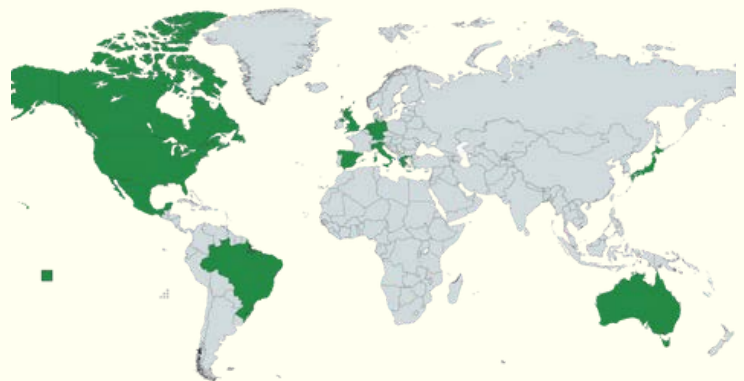


**172**

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**

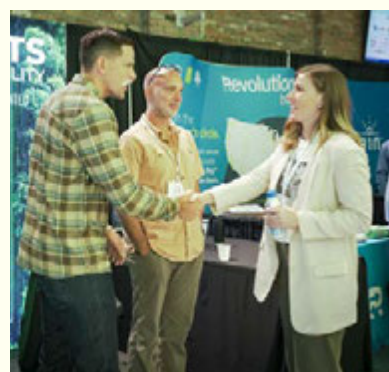
# SPONSORS

IN PARTNERSHIP WITH





# EXHIBITORS





\_\_\_\_\_

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## 6K Instagram Reach

# ENVIRONMENTAL CONSIDERATIONS

## CLIMATE PLEDGE ARENA

In 2019, Amazon and Global Optimism announced The Climate Pledge, which calls on signatories to be net zero carbon across their businesses by 2040—a decade ahead of the Paris Agreement. Visit [www.theclimatepledge.com](http://www.theclimatepledge.com) for more information.

### 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.

## GREEN SPORTS ALLIANCE

**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





# ENVIRONMENTAL CONSIDERATIONS

**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 Serviceware:** 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.



# ENVIRONMENTAL CONSIDERATIONS

## 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 Arena, 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 Windarm. [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.

Sponsored by:



**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

↕ ↗ 90%

## Waste Diversion Rate

*Across Lumen Field & Climate Pledge Arena*

CO<sub>2</sub> 277 MTCDE

## Total GHG Inventory

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:



Please see the Appendix for all relevant data supporting the 2023 Green Sports Alliance Environmental Impact Report.

# PLAY TO ZERO AWARDS



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

- Yiyang 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**

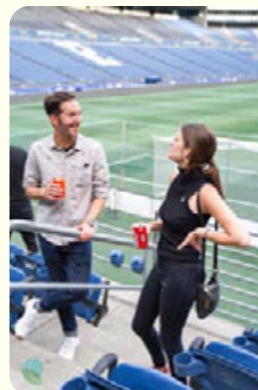
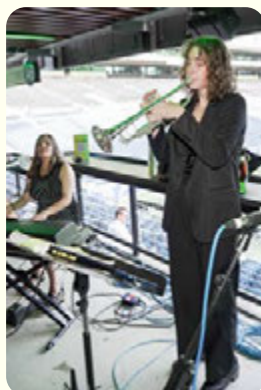
**Community Impact Event:** The Green Sports Alliance Foundation and NFL Green was proud to partner with the **Duwamish River Community Coalition** (DRCC) to discuss the crucial issues of water inequity and environmental injustice in the beloved city of Seattle. In collaboration with Pier 57, attendees 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.



Sponsored by:



**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:





# 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 | AIA, LEED AP, Brian Antonsen, 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 Ellah
- **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 Simonson, Megan Jorgensen, Rhodes Yepsen, Alan Horowitz
- **Perspectives From The Field: Advancing the Reuse Economy**
  - Speakers: Erik Distler, 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: Brianna Treat, Jon Burmeister
- **Innovation Solutions in Waste Sorting at Large Venues and Events**
  - Speakers: Christy Briggs, Brie Kuhn

### Main Stage Speakers:

- **Kaan Yalkin**, 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 McCage**, Manager of Care and Coordination, Athletes Unlimited
- **Brittany Saulsbury**, Sustainability Operations Manager, Portland Trail Blazers
- **Riley Nelson**, Head of Sustainability, NASCAR
- **Samantha Johnson**, Senior Vice President, Sales, Allegiant
- **Sofi Armenakian**, 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 Waddle**, Sustainability Program Leader, Penske Entertainment
- **Michael Prairie**, Director, Special Events and Business Optimization, FLA Live 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 Viridis Initiative
- **Rebecca Stay**, NFL Players' Association Registered Institutional Player Financial Advisor from Morgan Stanley
- **Ian McDoom**, Director of Engineering, Golden State Warriors Center 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
- **Aileen McManamon**, Founder and Managing Partner, 5T Sports Group and GSA Board Chair
- **Roger McClendon**, Executive Director, Green Sports Alliance
- **Radha Balani**, Managing Partner, thinkBeyond
- **Dr. Susie Tomson**, Senior Partner, thinkBeyond
- **Dean Allen**, CEO and Chairman of McKinstry
- **Carlie Bullock-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
- **Cherylee 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 Vosschulte**, 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: Xóchitl Cazador
- **Incorporating Environmental Stewardship Into Your Fandom: FC Barcelona X Plastik**
  - Speakers: Ana Aguilar Meca, Jordi Mompert, Anna Soler, Eric Maidenber
- **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**
  - Speakers: Andrew Rhodes, Brianna Treat
- **Faster, Longer, Greener – The Ultimate Road Marking Alternative**
  - Speaker: Alex Aselstyn
- **Monetizing Sustainability**
  - Speakers: 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** - Come ask the team anything!
- **URGENCY OF WATER**
- **WASTE** Climate Impact Through Compostability with NatureWorks
- **FIFA**

- **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 Kipp**, President, Puget Sound Energy
- **Ada Healey**, Chief Real Estate Officer, Vulcan
- **Ash Awad**, President and Chief Market Officer, McKinstry
- **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
- **Mara Mote**, Head of Content and Marketing, Seattle Sports Commission
- **Jen Mueller**, ROOT SPORTS and
- **Aileen McManamon**, Founder and Managing Partner, 5T Sports Group and Board Chair of the Green Sports Alliance
- **Chad Sarno**, CCO and Co-Founder, Wicked Foods and Gathered Foods
- **Chef Richard Grab**, Director, Culinary Innovation, Aramark Sports + Entertainment
- **Charlie Bullock-Jones**, CEO, Ecoworks Studio and GSA Board Member
- **Sunny Sohrabian**, Director, Sustainability, LA28
- **Adam Duvendeck**, Vice President, Operations, Dignity Health Sports Park (AEG) 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 Wilkins-Mickey**, VP, Diversity, Equity and Inclusion, Seattle Seahawks
- **Jordi Mompert**, Director of Research, FC Barcelona
- **Paula Freitas**, Senior Sustainability Manager, FIFA
- **Maurice Ouderland**, International Sports Business with Consulate of the Netherlands and Founder of One Love
- **Lizzy Anast**, Sustainability Coordinator, Clemson University
- **Hunter Scully**, Zero Waste Athletics Intern, University of Georgia, Office of Sustainability
- **Scot Obergefell**, Associate Athletics Director, Facilities, Operations and Sports Fields, Texas A&M
- **Karen Baebler**, 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 Otte**, 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**, Head of North America, Strive by STX
- **Jen Mueller**, ROOT Sports Network
- **Lew Blaustein**, Founder and CEO, EcoAthletes
- **Jeff Kunowski**, Associate Director, Innovation Programs, Global Sport Institute at Arizona State University



Click here to watch 2023 Summit Series on YouTube

# SUMMIT PROGRAM

## DAY TWO

“

The Green Sports Alliance Summit gives our future the platform and voice to make the change. **-Joessy Torres, Front of House**



[Click here to watch 2023 Summit Series on YouTube](#)



# SUMMIT HISTORY

[Download 2011 Report](#)

[Download 2016 Report](#)

[Download 2012 Report](#)

[Download 2017 Report](#)

[Download 2013 Report](#)

[Download 2018 Report](#)

[Download 2014 Report](#)

[Download 2019 Report](#)

[Download 2015 Report](#)

[Download 2022 Report](#)

“

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



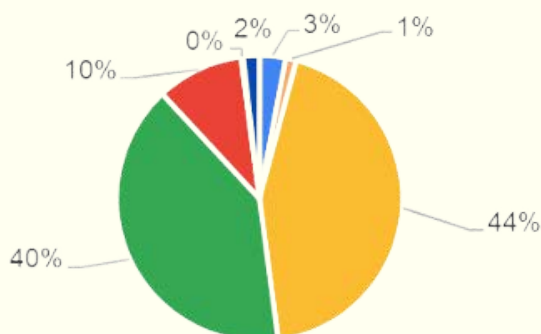


# APPENDIX

## Waste Diversion

Location	Disposal	Tons	Source	Confidence	Notes
Climate Pledge Arena	Batteries	0.00	WM Data	Medium	Calculated based on June totals
Climate Pledge Arena	Compost	2.47	WM Data	Medium	6/27 - 6/28 CPA Totals
Climate Pledge Arena	Donation	0.02	GSA donations	Low	Estimated
Climate Pledge Arena	EPS (foam)	0.00	WM Data	Medium	Calculated based on June totals
Climate Pledge Arena	Kitchen Grease (biodiesel)	0.03	WM Data	Medium	Calculated based on June totals
Climate Pledge Arena	Kitchen Oil (biodiesel)	0.19	WM Data	Medium	Calculated based on June totals
Climate Pledge Arena	Landfill	0.71	WM Data	High	6/27 - 6/28 CPA Totals
Climate Pledge Arena	Pallets	0.02	WM Data	Medium	Calculated based on June totals
Climate Pledge Arena	Recycle	2.72	WM Data	High	6/27 - 6/28 CPA Totals
Climate Pledge Arena	Thin Plastic	0.08	WM Data	Medium	Calculated based on June totals
Lumen	Compost	0.84	Lumen Data	High	6/27 - 6/28 Totals
Lumen	Landfill	0.10	Lumen Data	Medium	6/27 - 6/28 Totals
Lumen	Recycle	0.88	Lumen Data	High	6/27 - 6/28 Totals
Vomela	Donation	0.15	Vomela	High	

Summit Waste Diversion



- Grease, Oil, and Pallets
- Hard to Recycle
- Mixed Recycling
- Food Waste
- Landfill
- Donation
- Circular Materials

**Total** 8.21  
**Diverted** 7.4  
**Landfilled** 0.12  
**Diversion Rate** 90%

# APPENDIX

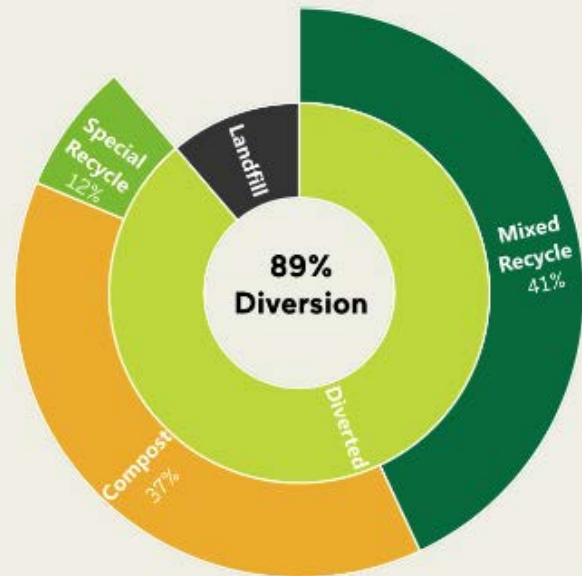
## Waste Diversion

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

Material Stream	Weight (tons)	% of Total	Hauling Mileage	MtCO <sub>2</sub> e*
SSRY	2.72	40.9%	27 mi. (CNG)	.003
FWST	2.42	36.7%	27 mi. (CNG)	.003
MSW	0.710	10.7%	20 mi. (diesel)	.392
Kitchen Oil	0.47	7.1%	4 mi. (biodiesel)	.004
LDPE (Thin Plastic)	0.19	2.9%	38 mi. (diesel)	.044
Kitchen Grease	0.09	1.3%		
Pallets	0.05	0.8%		
Batteries	0.003	0.1%		
EPS (Foam)	0.001	0.01%		
<b>Total Tonnage:</b>	<b>6.7 tons</b>		<b>Total Emissions:</b>	<b>.446 MtCO<sub>2</sub>e</b>

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

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



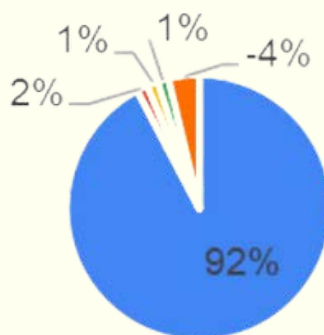


# APPENDIX

## GHG Inventory

	Total	Unit	Already Offset	Unit	MTCDE Responsible by GSA
<b>Transportation (flights and ground transportation)</b>	276.1	MTCDE	0		276
<b>Hotel</b>	4.0	MTCDE			4
<b>Electricity</b>	180,895.2	kWh	150176	kWh	4
<b>Fuel</b>	4.0	MTCDE			4
<b>Waste</b>	(11.2)	MTCDE			-11.17
TOTAL					277

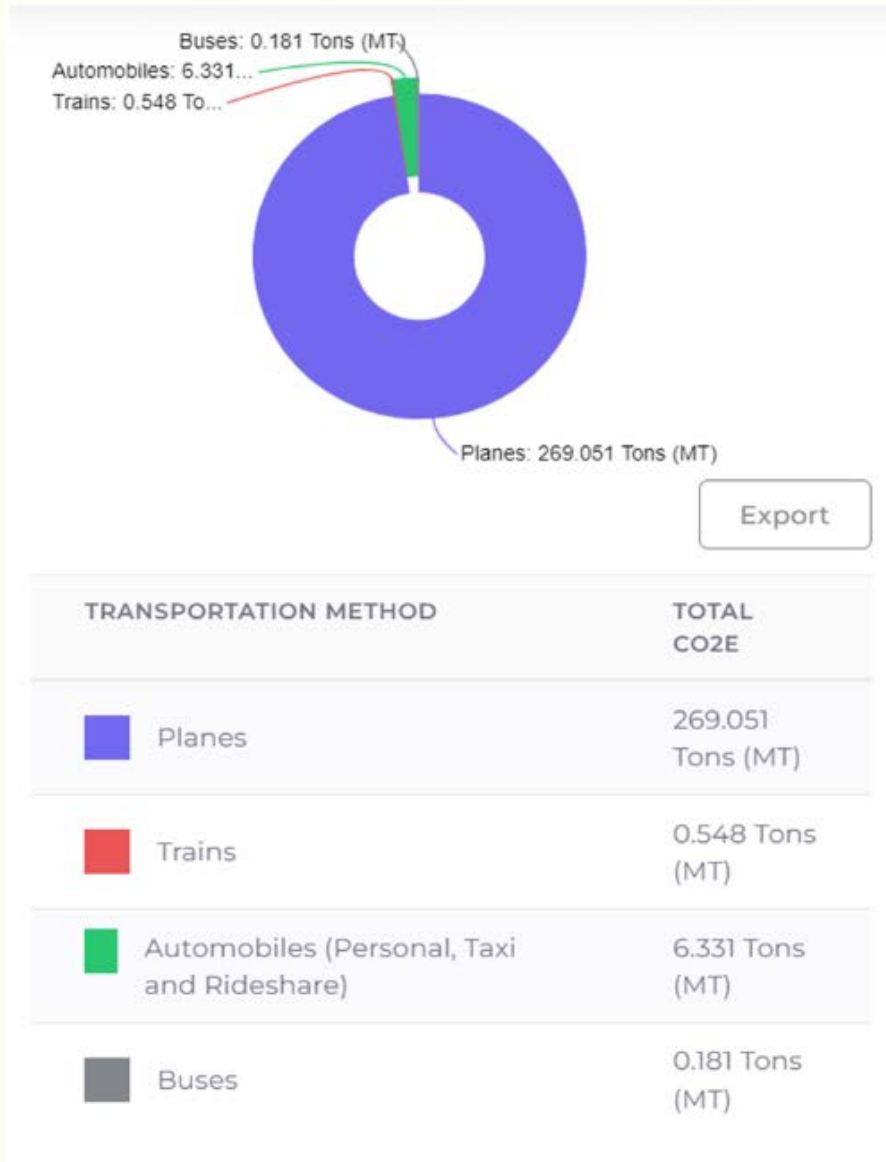
## Total Summit GHG Footprint



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

# APPENDIX

## Purpose Net Zero Data: Scope 3 Transportation



### Statistics





# 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**

8633 35970224 35970500 VCS-VCU-260 VER US-1-468 01012019-31122019-0

**Additional Certifications**

Powered by  APX

# 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.

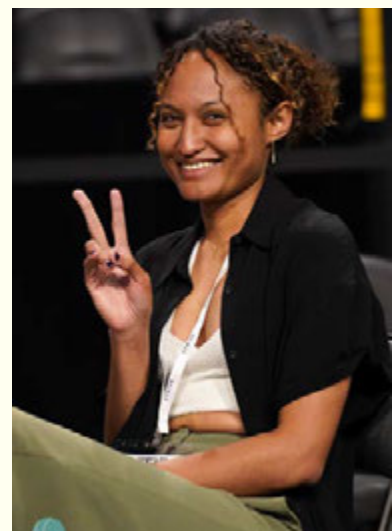
Vycom manufactures market-leading brands of highly innovative plastic sheet products. For the display graphics industry, the company's printable Celtec® family – including DigiLite®, Woodgrain, and Thick Gauge materials – is the most complete in range of thicknesses, finishes, and textures, for extruded 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









**INTENTION,  
ACTION, *IMPACT.***  
2023  
GREEN SPORTS ALLIANCE SUMMIT

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