

ENTREPORT

June 28-30, 2016 Houston, Texas 9@SportsAlliance #GreenSports





THE HIGHLIGHTS

The 2016 Summit marked the beginning of a new tradition: hosting the event at a sports facility, attendees were able to experience the Summit program in a whole new light. Minute Maid Park, home of the Houston Astros, provided an exciting atmosphere that tied into our roots in the sports industry. Houston's professional sports teams have taken the lead in implementing sustainable strategies in venue operations and marketing campaigns that shape the overall fan experience. Attendees were able to experience this firsthand throughout the Summit.

Sports and sustainability industry leaders gathered in Houston this year to engage in advancing the greening of the sports industry. Built on the theme: **Power of Partnerships**, the Summit educated and empowered attendees to focus on teamwork and collaboration to help create healthy, sustainable communities where we live and play.









2016 SUMMIT BY THE NUMBERS:

LEGACY GREEN APPLE DAY
OF SERVICE EVENT AT YES
PREP NORTHSIDE SCHOOL

2 KEYNOTE ADDRESSES

SPONSOR MINI-SESSIONS IN THE UPS CLUBHOUSE THEATER

6 NETWORKING SESSIONS

GREEN SPORTS
CELEBRATION AT BBVA
COMPASS STADIUM

2 SYMPOSIUMS

iconic Houston Sports venue Tours

18 INTERACTIVE BREAKOUT SESSIONS

SPORTS LEAGUE UPDATE

MAIN STAGE PANELS

CORPORATE MEMBERS NETWORK RECEPTION

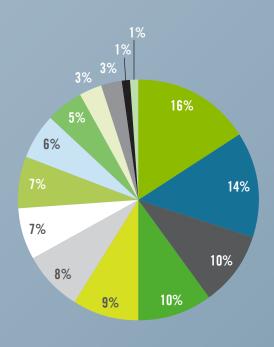
87 SPONSORS AND EXHIBITORS

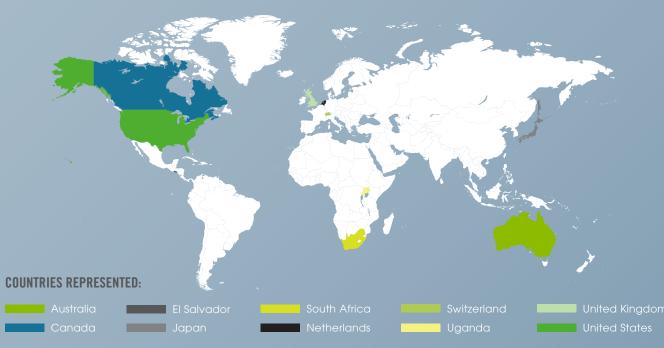
THE PLAYERS













ATTENDEES:

"The networking aspect of the Summit is always an important reason for attending, and I think this year was the most successful networking we've seen."

CHRIS DEVOLDER

VP Sustainable Design Leader of Sports + Recreation + Entertainment, HOk

SPONSORS:



THE IMPACT

With the contributions of a broad range of attendees and sports industry representatives, the 2016 Summit ramped up the public conversation around sports greening.

55 655K

TWITTER IMPRESSIONS WITH #GREENSPORTS

IMPRESSIONS FROM SUMMIT PRINT COVERAGE

GR SP ALL

Top Photo

Greensportsalliance: It's time!
Opening session in progress.
Be part of our movement!
#GreenSports

LIKES OF INSTAGRAM POSTS BY GREEN SPORTS ALLIANCE

Top Tweet
EARNED 36.7K IMPRESSIONS

Congratulations @Ferknuckle on the Environmental Leadership Award and welcome to the board! #greensports pic.twitter.com/1rjwtkGsBv Top Post
1.6K PEOPLE REACHED

Congratulations to the inaugural College Sustainability Makeover Contest winners: The University of Texas at Austin and Huston-Tillotson University! Thank you for your commitment to community sustainability! **NOTABLE COVERAGE INCLUDES:**

GREENSPORTS BLOG, GREEN SPORTS ALLIANCE SUMMIT 2016: A PREVIEW >

CBS8.COM, CLIMECO
CORPORATION HELPS TO
GREEN THE GREEN SPORTS
ALLIANCE SUMMIT >

BIOCYCLE, POWER OF PARTNERSHIPS IN SPORTS GREENING >

STADIA, ONE-ON-ONE: SCOTT JENKINS, CHAIRMAN, GREEN SPORTS ALLIANCE >

HOUSTON BUSINESS JOURNAL, HOUSTON HAS BEEN 'TRANSFORMATIVE' WITH ECO-FRIENDLY SPORTS ARENAS, EXEC SAYS >

FACILITY EXECUTIVE, TEXAS
CAMPUSES WIN SUSTAINABILITY
MAKEOVER CONTEST >

USGBC, GREEN SPORTS
ALLIANCE LEADS GADOS
VOLUNTEERS AT HOUSTON'S
YES PREP NORTHSIDE >

SPORTSBUSINESS JOURNAL, GREEN MOVEMENT MUST TAP INTO POWER OF ATHLETES >

ENVIRONMENTAL CONSIDERATIONS

OFFSETS

Through the generous support of the Bonneville Environmental Foundation and ClimeCo, the 2016 Summit offsets its environmental impact with the following:

- 492 Verified Carbon Offsets to cover 492 metric tons of CO2e emissions associated with attendee, speaker, sponsor and staff travel via plane and car
- 134 Water Restoration Certificates to balance the 134,000 gallons of water used at the event and in attendee hotel rooms
- 41 Renewable Energy Certificates to ensure that renewable energy was used to generate electricity used at the event

WASTE

Waste Management, the official Green Sports Alliance Summit Zero Waste Partner, worked with event and venue staff to measure and report our waste. Approximately 80.7% of waste was diverted from the landfill at 2016 Summit events at Minute Maid Park in Houston, Texas

Diversion Breakdown: 46% from Compost/Food Waste; 35% from Recycling; and 19% from Landfill

EXHIBITS

Exhibitors follow best practices to reduce their impact:

- Exhibitors asked to use non-dated, event neutral designs so leftover items may be used at future events
- Exhibitors print signage and handouts through FSCcertified printers and/or paper made of post-consumer content and use non-chlorine inks such as vegetable or soy
- Exhibitor swag for attendees utilize utilitarian items that are sustainably made and recyclable



"At Major League Baseball, our commitment to social responsibility has been and continues to be a core part of the league's identity. Our teams are converting to LED lighting, providing more sustainable food choices at MLB ballparks, focusing on community events surrounding greening efforts and creating business partnerships that promote sustainable practices. Recognizing not only the impact we have on the environment with our events, but also the influence baseball has on the lives of millions of fans, MLB and its clubs will continue to focus on implementing innovative environmental practices that lead by example."

MAJOR LEAGUE BASEBALL

THE PROGRAM

Driven by the Power of Partnerships in sports and sustainability, the 2016 Summit program showcased better practices, challenges, success stories, and opportunities in sports greening.



MONDAY, JUNE







The Green Sports Alliance launched the 2016 Green Apple Day of Service presented by Connor Sports with USGBC-Texas, HOK, and the Center for Green Schools at USGBC. The project worked with partners and local community members to leave a lasting legacy through sports and campus beautification projects at Yes Prep Northside School.

Summit partners, sponsors, exhibitors, and speakers came together with community members, teachers, and students at Yes Prep Northside School to spruce up the exterior of the school by providing external landscaping and raised bed plantings for their Garden Club and an upgrade to their physical education storage and weight training facilities.

"At Connor Sports we know as Champions of Environment and as a leader in the global sports industry, that outdoor recreation and safe play for school-age children is extremely important to the growth and well-being of all students," said Jason Gasperich, Director of Sustainability for Connor Sports. "Our growing strategic partnership with the Green Sports Alliance and the hosting of the 2016 GSA Day of Service project Houston has provided an excellent platform and opportunity for our Connor Sports Cares community initiative program to truly give back to the Houston community in a tangible and sustainable manner that will live on after the Summit."



TUESDAY, JUNE







Thought Leadership Forum

The 2016 Thought Leadership Forum at the Green Sports Alliance Summit convened the corporate community including sports industry vendors, sponsors, and partners for an interactive and engaging discussion on how collaboration, innovation, and creative thinking across industries can advance the green sports movement.

Featured Speakers Include:

Welcome & Closing: Scott Jenkins | GM, Mercedes-Benz Stadium,
AMB Sports & Entertainment Group; Board Chair, Green Sports Alliance
Introduction: Rick Penn | Director, Global Sales & Sports Partnerships,
Olympic & Sports Solutions, The Dow Chemical Company
Introduction: Betsy Wilson | Senior Director of Communications, UPS
Moderator: Joe Khirallah | Founder and CEO, Green Bear Group
Anastasia Behr, PhD | Technology and Sustainability Leader, Olympic
and Sports Solutions, The Dow Chemical Company
Dave Newport | Director, Environmental Center, University of Colorado
Boulder; Board Member, Green Sports Alliance
Molly Ray | Director of Global Sustainability, Office Depot, Inc.
Kerri Strand | Sustainability Solutions Manager, UPS



Women, Sports & the Environment Symposium

The fourth annual Women, Sports & the Environment Symposium is a uniquely collaborative opportunity for the audience to engage in a roundtable brainstorm of solutions to challenges presented by a panel of women leaders from different sectors of the sports industry. The Symposium invites both men and women to an energetic conversation about how to further advance the green sports movement and our own personal careers through the inclusion of the unique perspective of women. Attendees will network while discussing how to use sports as an instrument of change to address environmental and social issues.

Featured Speakers Include:

Facilitator: Jennifer Regan | *Principal & Chief Sustainability Officer, We Bring It On, Inc.*

Elaine Aye | President, Green Building Services Sonya Jury | Senior Associate, Project Manager, HOK Catherine Kummer | NASCAR Green Innovation and STEM Platforms Jami Leveen | Director, Marketing & Environmental Stewardship, Sports and Entertainment, Aramark

Tiffany Richardson | Sports Management Lecturer, School of Kinesiology, University of Minnesota-Twin Cities





Sports Venue Tours

2016 Summit attendees had a chance to get an insider's look at some of the iconic Houston sports venues including:

Rice University
NRG Stadium
Minute Maid Park
Toyota Center
University of Houston, TDECU Stadium



Opening Night

Welcome to Minute Maid Park: Matt Brand | SVP, Corporate

Partnerships, Houston Astros

Introduction: Marko Blagovic | Global Business Director, Olympic &

Sports Solutions, The Dow Chemical Company

Scott Jenkins | *GM, Mercedes-Benz Stadium, AMB Sports & Entertainment Group; Board Chair, Green Sports Alliance*

Leagues Leading the Way: Catherine Kummer | Senior Director |

NASCAR Green Innovation, STEM NASCAR

Omar Mitchell | Corporate Social Responsibility, National Hockey League Paul Hanlon | Director of Facility Operations, Major League Baseball



Opening Night Reception

Club Level Introduction: Carl Mittleman | President, Aramark Sports

and Entertainment

Chef Demonstration by: Dominic R. Soucie | Executive Chef,

Aramark



"We have been proud to partner with the Green Sports Alliance since its inception and are thrilled to have played a role in hosting the GSA's 2016 Summit in Houston. As the food and beverage and facilities services provider at Minute Maid Park, the conference was a great way for Aramark to demonstrate our commitment to local, seasonal and responsibly sourced products as well as our environmentally efficient building operations and waste minimization efforts."

CARL MITTLEMAN

President, Aramark's Sports & Entertainment Division

WEDNESDAY, JUNE







Program

UPS Clubhouse Theater Mini-Session: Partnering to Drive More Sustainable e-Commerce by UPS

Opening Keynote | An Interview with City of Sacramento Mayor Kevin Johnson

Interviewer: Joe Khirallah | *Founder and CEO, Green Bear Group* Kevin Johnson | *Mayor, City of Sacramento*





President's Remarks:

Allen Hershkowitz, PhD | President Emeritus, Green Sports Alliance



Plenary | Teamwork in Action: Partnerships that are Moving the Needle

Moderator: Aileen McManamon | *Founder & Managing Partner, 5T Sports Group*

Marko Blagovic | *Global Business Director, Olympic & Sports Solutions, The Dow Chemical Company*

Christine Brown | Head of Corporate Marketing, NRG Jamie Hindhaugh | COO, BT Sport & BT TV Bruce Stewart | CMO & SVP, Constellation





Collegiate Waste Reduction Awards Presentation



UPS Clubhouse Theater Mini-Session: Club Level Concourse: Striving For Zero Waste Through Janitorial by ABM

Breakout Sessions

Design & Innovation | Energy Storage: A Game-Changer for Sports Venues

John Marler | Senior Director, Energy and Environment, AEG Jake Millan | Business Development, Tesla Energy



Lessons from the Field I Extending the Play: Bringing Sustainability to Community Ice Rinks

Moderator: Mike Richter | President, BrightCore Energy
Jim Cain | President & Owner, Firland Management
Greg Fox | Director, Business Development, Constellation; U.S.
Hockey Hall of Fame
lan Storey | President, I.B. Storey International (IBSI)

Health & Wellness | Healthy Air & Healthy Sport: Reducing Air Pollution Associated with Sport Operations

Moderator: Jonathan Casper, PhD | *Associate Professor, North Carolina State University*

Kyle Bunds, PhD | Assistant Professor, North Carolina State University
Dave Kestenbaum | Director, Certification for Sustainable
Transportation, The University of Vermont
Steve Levine | President & CEO, AtmosAir Solution/Clean Air Group



Collegiate Sports | Organizing as a Conference: A How-to From the Pac-12

Moderator: Dave Newport | *Director, Environmental Center, University of Colorado Boulder*

Halli Bovia | Sustainability Program Manager, Environmental Health and Safety, University of Southern California

Myron Willson | Deputy Chief Sustainability Officer, Sustainability Office, University of Utah

Jamie Zaninovich | Deputy Commissioner & COO, Pac-12 Conference



Hot Topics | Tips, Trends, & Hurdles: Sustainability Certifications & Reporting in Sports - LEEDv4, WELL, & CSR

Moderator: Chris DeVolder | VP, Sustainable Design Leader of Sports + Recreation + Entertainment, HOK
Elaine Aye | President, Green Building Services
Carlie Bullock-Jones | Founder & Principal, Ecoworks Studio
Cindy Sisson Hensley | Consultant, Delos



"BASF valued the opportunity to share our leading collaborative efforts with corporate, professional and university sports partners as we create team chemistry for a sustainable future."

CHARLENE WALL-WARRENDirector of Sustainability, BASF

Powerful Partnerships | Cities – Why You Want Us on Your Team!

Zach Baumer | Climate Program Manager, Office of Sustainability, City of Austin

Lisa Lin | Sustainability Manager, City of Houston
Jo Zientek | Deputy Director, Integrated Waste Management, San Jose



UPS Clubhouse Theater Mini-Session: All Light is Not Created

Equal by Lighting Science

UPS Clubhouse Theater Mini-Session: The Logistics of the Circular

Economy by UPS

Breakout Sessions

Design & Innovation | Making the Switch: Products & Practices for Installing LEDs in Sports Venues

Moderator: Ryan Evans | Director of Sustainability, Co-Director of Henderson Research, Henderson Engineers, Inc.
John Hwang | CEO, Plan LED
Xavier Luydlin | VP, Operations & Labor Relations, Centre Bell
Ginger Rucker | Senior Lighting Designer, Research Lead,

Henderson Research



Lessons from the Field | Game Changers: How Sustainable Professional Sports Franchises are Reinventing Houston

Moderator: Dirk Kestner | *Principal - Director of Sustainable Design, Walter P Moore*

Marcel Braithwaite | *SVP of Building Operations, Houston Astros*Paul Byrne | *VP of Operations, BBVA Compass Stadium*Rick Fredette | *Director of Operations, NRG Park*Scott Manley | *AGM, VP of Arena Operations, Toyota Center/Houston Astros*



Health & Wellness | From Field to the Field: Strategies for Sustainable Gameday Food

Moderator: Darryl Benge | EVP & General Manager, Amalie Arena David Lee | President & Founder, Field Roast Grain Meat Company Jami Leveen | Director, Marketing & Environmental Stewardship, Sports and Entertainment, Aramark Jase Miller | Manager, Ballpark Operations, Minnesota Twins Chef Michael Tuohy | Executive Chef & General Manager, Legends Hospitality, Golden 1 Center



"The summit is unique on many counts – not least for at NatureWorks because it shifts things from what can be an abstract conversation about zero waste to focus on what's actually being done – right now, at member stadiums around the country – diverting valuable materials from going to landfill every day, with every game, for every fan. That's real."

Collegiate Sports | Selling Sustainability: Marketing & Sponsorship for Collegiate Sports

Moderator: Whitney Wagoner | Director, Warsaw Sports Marketing

Center, University of Oregon

Moderator: Izabel Loinaz | Program Manager, Center for Sustainable Business Practices, Lundquist College of Business, University of Oregon Tara Huntress | Senior Account Executive, UT Austin Longhorn IMG Brandon Leimbach | Senior Manager, Business Development, University of Colorado, Learfield Sports



Hot Topics | Going Global: An International Sports & Sustainability Fireside Chat

Moderator: Edgar Farrera | *Director of Sustainability, Circuit of The Americas*

Dominique Gobat | Head of Business Development, AISTS Kattia Hernandez | Director, International Environment Commission, FIM Dr. Sheila Nguyen | ED, Sports Environment Alliance (SEA) Jonathan Smith | Chief Executive, Golf Environment Organization (GEO)

Powerful Partnerships | Harnessing the Power of Partnerships: Building a Sustainable Sports Team

Moderator: Jill Savery | *Sustainability Advisor, 11th Hour Racing* | Ian Ellison | *Sustainability Manager, Product Development, Jaguar Land Rover*

Jamie Hindhaugh | COO, BT Sport & BTTV

Jeremy Pochman | President, 11th Hour Racing

Susie Tomson | Sustainability Manager, Land Rover Ben Ainslie Racing



Green Sports Celebration at BBVA Compass Stadium

Summit attendees met for an evening at BBVA Compass Stadium, to celebrate the achievements of the green sports movement and watch the Houston Dynamo beat Sporting KC in the Lamar Hunt U.S. Open Cup Round of 16. The evening was dedicated to the Green Sports Alliance Environmental Game Changers Awards Ceremony, which include the presentation of the Environmental Leadership Award and the Environmental Innovators of the Year Awards.







THURSDAY, JUNE







Program

UPS Clubhouse Theater Mini-Session: How to Tell Your Sustainability Story with Apparel by DriveMG

Morning Keynote

Introduction: Dave Newport | Director, Environmental Center, University of Colorado Boulder; Board Member, Green Sports Alliance Ray Anderson | VP, University Athletics & AD, Arizona State University





Fireside Chat: Sports, Sustainability & Social Equity – Identifying the Interconnecting Threads

Moderator: Rosemary Enobakhare | *Deputy Associate Administrator* for the Office of Public Engagement and Environmental Education, U.S. Environmental Protection Agency

Kathleen Hatch | Strategist & Consultant; Co-Chair, Sports Equality Foundation

Kevin Martinez | VP, Corporate Citizenship, ESPN Paul Mifsud | VP & Deputy General Counsel, Labor Relations & Social Responsibility, MLB



MLB Sustainability Spotlight

Introduction: Dean Linke | *Mid-Atlantic Sales Manager and TV Sports*

Broadcaster, GreenFields

Spotlight Host: Joe Abernathy | VP, Ballpark Operations, St. Louis

Cardinals

Moderator: Abraham Madkour | Executive Editor, SportsBusiness

Journal

Derrick Hall | President & CEO, Arizona Diamondbacks

Dave St. Peter | President, Minnesota Twins



"The Green Sports Alliance continues to play a critical role in helping shape sustainability platforms across our country. The Twins and Target Field remain committed to working with MLB and other industry leaders to create incremental momentum to further enhance these platforms and their positive impact on our community."

DAVE ST. PETERPresident, Minnesota Twins

College Sports Sustainability Makeover Awards



UPS Clubhouse Theater Mini-Session: Greener Cleaning: Gateway to Sustainability by ISSA

UPS Clubhouse Theater Mini-Session: Real-Time Energy Automation & Optimization for Complex and Dynamic Multi-Purpose Facilities by Shift Energy

Breakout Sessions

Design & Innovation | Trends in High-Performance Sports Venue Design

Moderator: Chris DeVolder | *VP, Sustainable Design Leader of Sports* + *Recreation* + *Entertainment, HOK*

Ryan Evans | Director of Sustainability, Co-Director of Henderson Research, Henderson Engineers, Inc.

Julie Janiski | Senior Designer, Analytics, BuroHappold
Adam Kyle | Senior Associate, Built Ecology, WSP, Parsons Brinckerhoff



Lessons from the Field | Golf's Sustainability Agenda: The Power of Collaboration

Moderator: Aubrey McCormick | *CEO, IMPACT 360; Former Pro Golfer* Eddie Ainsworth | *CEO, Colorado PGA*

J. Rhett Evans | CEO, Golf Course Superintendents Association of America Patrick R. Finlen | CGCS, General Manager, The Olympic Club & Former President of GCSAA

Seth Gregg | COO, The Club Foundation, Club Managers Association of America Gina Rizzi | President, ARCUS Marketing Group, LLC & Co-Founder of IMPACT 360

Health & Wellness | Keepin' it Clean and Green: Ensuring Healthy Environments for Athletes and Fans

Moderator: Tim Reeve | President, Reeve Consulting

Steve Ashkin | President, Ashkin Group

Mark Petruzzi | SVP of Outreach & Strategic Relations, Green Seal, Inc.

Katy Severinsen | Regional Director of Facilities, Sports and

Entertainment, Aramark



Collegiate Sports | Green for the Win: Making the Case for Collegiate Sports Greening

Moderator: Halli Bovia | Sustainability Program Manager, Environmental Health and Safety, University of Southern California Jeff Farrell | Facility Operations Manager, Los Angeles Memorial Coliseum, University of Southern California

Caryn Hojnicki | Sustainability Coordinator, Indiana University Athletics Department

Liz Storn | *Program Coordinator, University of Florida, Office of Sustainability* Kerri Strand | *Sustainability Solutions Manager, UPS*



Hot Topics | Playing the Field: Exploring Sustainability in Turf Management

Dan Bergstrom | *Director/Major League Field Operations, Houston Astros* Tim VanLoo | *Manager of Athletic Turf & Grounds, Iowa State University*





Powerful Partnerships | Non-Traditional Collaborations for a More Sustainable Game Day

Moderator: Charlene Wall Warren | Director of Sustainability, BASF
Doug Behar | VP, Stadium Operations, New York Yankees
Dave Duernberger | VP, Facility Operations, MetLife Stadium
Jeff Fernandez | VP, Business Development & Ventures, New York Jets
Meagan Smith | Director, PepsiCo Recycling



Chatting with the Champs

Introduction: Angela Woods | *Director, Corporate Citizenship, ESPN*Moderator: Abraham Madkour | *Executive Editor, SportsBusiness Journal*

Anya Alvarez | Former Professional Golfer, LPGA
Charlie Enright | Co-Founder/Skipper, 55 South
Brody Leven | Adventure Skier & Storyteller
Ovie Mughelli | Retired NFL Player; Founder, Ovie Mughelli Foundation





SEE YOU IN SACRAMENTO! JUNE 27-29, 2017

Registration is available at greensportssummit.org

During the 2016 Summit, Mayor Kevin Johnson, Green Sports Alliance Executive Director Justin Zeulner and Golden 1 Center executives announced the 7th Annual Green Sports Alliance Summit will be held in Sacramento in June 2017.

"From the beginning, we've been focused on building a world-class arena that reflects the values of Sacramento," said Kings President Chris Granger. "We're honored to have the Alliance and our peers from around the world join us for collaborative discussions about how – through sport – we can make the world a better place."

The 2017 Green Sports Alliance Summit will highlight best practices in sustainability from around the sports world, including how teams are driving change through fan engagement. Various sessions and speakers will be announced in the coming months.

"I could not be prouder that Sacramento will host next year's Green Sports Alliance Summit," said Mayor Kevin Johnson. "Our community believes strongly that economic and environmental policy can work hand in hand, and nothing speaks more powerfully to that commitment than Golden 1 Center. This is a huge honor that will cement Sacramento's status as a true leader and innovator in sustainable development."



THE HISTORY

The annual Green Sports Alliance Summit is the largest and most influential gathering for the sports community to unite around sustainability. The event brings together hundreds of industry stakeholders to learn and share better practices and the latest innovations in greening operations, advancing the supply chain and engaging fans.



Find out more at greensportssummit.org

PAST SUMMIT PROGRAMS:

2015 SUMMIT PROGRAM >

2014 SUMMIT PROGRAM >

2013 SUMMIT PROGRAM >

2012 SUMMIT PROGRAM >

2011 SUMMIT PROGRAM >

