EVENT REPORT

June 27-29, 2017 Sacramento, CA

#GreenSports #PLAYGREENER





THE HIGHLIGHTS

The 2017 Summit theme *"PLAY GREENER™: Engaging Fans, Athletes and Communities"* set the stage for five packed days of Summit events. Sports, sustainability, and corporate leaders gathered in Sacramento to learn from each other and industry experts about how they can *PLAY GREENER™* to advance sustainability through sports.

Continuing our recent tradition of hosting the Summit in a sports facility, Golden 1 Center and the Sacramento Kings provided a state-of-the-art venue and innovative atmosphere that honored our origins in the sports industry. The Sacramento Kings and the City of Sacramento have taken the lead in implementing sustainable strategies in operations, programs, and policies that are shaping the way Sacramento residents engage in sustainability – as a fan, employee, or community member. Summit attendees experienced this through a wide variety of activities including facility tours, a charity golf tournament, a community day of service, a Climate and Sports Student Summit, an autonomous vehicle showcase, a celebration honoring environmental leaders, main stage keynotes and panels, and of course, valuable educational breakout sessions.

Playing greener means helping and encouraging each other to create healthy, sustainable communities where we live and play. The Green Sports Alliance is dedicated to this mission and will continue to bring together the most influential sports organizations through the Summit and new convening events in the future.

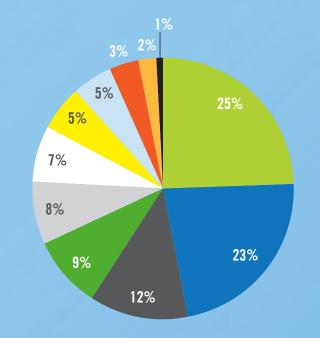
2017 SUMMIT BY THE NUMBERS:





2017 SUMMIT VIDEO Playlist >

THE PLAYERS



ATTENDEE BREAKDOWN:



"The programming was fantastic. The content was excellent. We are inspired to do more to drive change." **DIANA STEWART** President, EnvirOx



ATTENDEES:

The **Bigelow**

WAXIE Sanitary We Bring It On, Inc. WGL Energy Yale University Zurn Industries, LLC

SPONSORS:



THE IMPACT

With the contributions of a broad range of attendees, the 2017 Summit ramped up the conversation around sports greening.



203K TWITTER IMPRESSIONS WITH #GREENSPORTS

18K PEOPLE REACHED IN I LIVE STREAM E FEEDS

ZK LIKES OF INSTAGRAM POSTS BY GREEN SPORTS ALLIANCE

NOTABLE COVERAGE INCLUDES:

GREEN SPORTS ALLIANCE TO HOST 7TH ANNUAL SUMMIT AT SACRAMENTO'S SUSTAINABLE GOLDEN 1 CENTER >

THE GSB INTERVIEW: JUSTIN ZEULNER, PREVIEWING THE 2017 GREEN SPORTS ALLIANCE SUMMIT >

BILL WALTON, VIVEK RANADIVE HIGHLIGHT OPENING DAY OF GREEN SPORTS ALLIANCE SUMMIT >

POPULAR POSTS



An interview with Basketball Legend @BillWalton by Abe Madkour Executive Editor of @sbjsbd #PLAYGREENER #greensports



Today closed with Susan Groh accepting the 2017 Environmental Leadership Award on behalf of her husband, Jack Groh. Congratulations! **#PLAYGREENER**





SPORTS LEADERS TEAM UP TO PLAY GREENER $^{\text{TM}}$ >

ADVANCING SPORTS GREENING >

RALEY FIELD SHOWS OFF SUSTAINABILITY EFFORTS DURING GREEN SPORTS ALLIANCE SUMMIT >

ENVIRONMENTAL CONSIDERATIONS

OFFSETS

Through the generous support of Bonneville Environmental Foundation (BEF), the 2017 Summit offset its environmental impact with the following:

- 234 Water Restoration Certificates (WRCs) supporting water restoration in the nearby Sacramento Wetlands to balance the unavoidable water footprint of the Summit (233,428 gallons restored)
- 138 Verified Carbon Offsets to mitigate the greenhouse gas emissions from Summit attendee travel (138 metric tons offset)
- 45 Renewable Energy Certificates (RECs) to match the electricity used at the Summit venue and in attendee hotel rooms with renewable energy (44, 588 kWh matched)
- BEF also implemented a text campaign during the Summit. Through the help of Change the Course, they balanced the water footprint of the Summit and supported the local Sacramento River Wetlands. With each text they received, they were able to restore 15,000 gallons of water to the Sacramento River Wetlands.

WASTE

Golden 1 Center, with the help of California Safe Soil, was able to measure and report the waste produced during the Summit. Approximately 70% of waste was diverted from the landfill at 2017 Summit events at Golden 1 Center in Sacramento, California.

Diversion Breakdown: 52% from Compost/Food Waste; and 30% from Landfill; 18% from Recycling

EXHIBITS

Summit 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 FSC-certified printers and/or paper made of post-consumer content and use non-chlorine inks such as vegetable or soy
- Exhibitor giveaways for attendees are utilitarian items that are sustainably made and recyclable

TERRACYCLE

TerraCycle generously donated Zero Waste Boxes[™] which can collect and recycle almost any type of waste. TerraCycle provided ten boxes for exhibitors to dispose of such items as stretch wrap, bubble wrap, packing foam, shipping peanuts, air cushions, tape and tape dispensers. Also, two of their largest 20lb boxes were filled with items from attendees that would have ended up in the landfill and instead were sent to TerraCycle to be repurposed following the event.



"This year the Green Sports Alliance balanced water use through the purchase of Water Restoration Certificates (WRCs) that fund local project efforts in the Sacramento River Wetlands. This project partners with The Nature Conservancy's (TNC) Bird Returns Program and local rice farmers to keep fields flooded with a relatively tiny amount of water at critical times to sustain necessary wetland habitat for migrating birds in California's Central Valley, as well as recharge groundwater supply."

SARA HOVERSTEN Director, Corporate Partnerships, BEF

RON HAWK National Accounts Director, DriveMG/Recover

The Green Sports Alliance launched the 2017 Summit with the Green Apple Day of Service where volunteers, community members, partners and sponsors came together for local schools

in Sacramento, California. With the support of our partners, volunteers spruced up landscaping and playground areas at H. W. Harkness Elementary School, helping to improve the spaces where teachers and students work and play.

"We enthusiastically support the Green Sports Alliance mission, and value our partnership. The people and content are so very passionate and important to our challenged environment and world."

GREEN APPLE DAY OF SERVICE PARTNERS











THE PROGRAM

Driven by PLAY GREENERTM: Engaging Fans, Athletes & Communities, the 2017 Summit program and activities showcased better practices, challenges, success stories, and opportunities in sports greening.

CLICK THE ICON FOLLOWING EACH SESSION TO ACCESS ADDITIONAL RESOURCES.



FOR VIDEOS FROM THE 2017 SUMMIT, **VISIT OUR YOUTUBE CHANNEL**

MONDAY, JUNE



Pac-12 Sustainability Conference

The inaugural Pac-12 Sustainability Conference signals an elevated approach to enhancing sustainability efforts within collegiate athletics departments, designing new collective initiatives, and sharing best practices to transform college sports into a platform for environmental progress.



Green Sports Alliance & Sacramento Kings Golf Invitational

Invitational fundraiser, hosted at Granite Bay Golf Club, supporting Sacramento Kings Foundation.

Corporate Members Network Reception

Gathering to thank our Corporate Members Network, primary Summit sponsors, speakers and special guests for their contribution to the success of the Green Sports Alliance and the entire green sports movement. "I first volunteered at the Summit in 2014 when I was a graduate student and since then, I have been an annual attendee. I have found immense value both the content and the connections I have made with colleagues in the field. During this year's Summit in Sacramento, I was invited to present on the state of sports sustainability in collegiate athletics, which shows how far sports sustainability has come in a few short years. It is great to be part of such a powerful movement and connect with people who share the same level of passion for sports sustainability."

OPPONG HEMENG

Sustainability Coordinator, University Athletic Association, University of Florida

TUESDAY, JUNE





Climate and Sports Student Summit

Sacramento Kings Foundation, Climate & Sports Student Summits, and the Green Sports Alliance partnered to host a two-day youth summit at Golden 1 Center. Young students from the Sacramento region and beyond came together to strengthen their knowledge about the environment while building a voice and leadership skills to take on the roles of student sustainability agents of change in their schools and communities.

Breakout Tours

2017 Summit attendees had a chance to get an insider's look at Sacramento sports venues, campuses, and sustainability facilities including: Golden 1 Center Tour Raley Field Sustainability Tour UC Davis Innovative Lighting & Sustainable Athletics Tour Sacramento State Sustainable Campus Tour SunSystem Solar Tour: Next Generation Facilities: Solar Leadership California Safe Soil Tour: From Fork-to-Farm

Thought Leadership Forum & Breakfast

The Thought Leadership Forum at the Green Sports Alliance Summit convenes leading organizations in the sports greening movement for an interactive and engaging workshop on how innovation, creativity and collaboration can advance the sports greening movement. The 2017 Thought Leadership Forum focused on how organizations can work together to engage internal and external stakeholders and affect change in communities. Attendees had the chance to win a Green Office Makeover raffle prize provided by Office Depot.

Moderator: Joe Khirallah | *Founder & CEO, Green Bear Group; Strategic Advisor, Green Sports Alliance*

Kathy Cacciola | *Senior Director, Environmental Sustainability, Aramark* Steve Davies | *Director, Public Affairs & Communications, NatureWorks* Susan Groh | *Associate Director, Environmental Program, NFL* John Park | *Lead Project Manager, PlanLED*





Women, Sports & the Environment Symposium & Luncheon | Innovative Inclusion: How Can We Innovate our Business to Include Women Employees and Sports Fans?

The fifth annual Women, Sports & the Environment Symposium invited both men and women to a uniquely collaborative opportunity to reflect on what actions and strategies we can take to better include women in the workplace and in the fan base. The Symposium featured a panel of industry experts and women leaders who have innovated their organizations to better include women in their business or sporting experiences. After the panel, the audience participated in a facilitated discussion on what changes we can make personally and professionally to include the perspective of women and capture the market opportunity of women. The annual Women, Sports & Environment Symposium is one of the many ways that the Green Sports Alliance works to include the perspective of female thought leaders working at the confluence of sports and the environment.

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

Shana Daum | Vice President, Public Affairs & Community Relations, San Francisco Giants

Kristina Gregory | Vice President, Marketing, Communications & Corporate Sponsorships, Constellation

Gloria Nevarez | Senior Associate Commissioner/Senior Woman Administrator, Pac-12 Joelle Terry | Vice President, Communications, Sacramento Kings

Opening Program

Event Emcee: Joe Khirallah | *Founder and CEO, Green Bear Group; Strategic Advisor, Green Sports Alliance*

Evening Keynotes

Welcome: Chris Granger | President & Chief Operating Officer, Sacramento Kings
Keynote: Darrell Steinberg | Mayor of Sacramento
Keynote: Vivek Ranadivé | Owner and Chairman, Sacramento Kings

An Interview with Basketball Legend, Bill Walton

Interviewer: Abe Madkour | Executive Editor, SportsBusiness Journal Bill Walton | Basketball Legend & Ambassador for the Health of the Earth

Opening Night Reception



FOR VIDEOS FROM THE 2017 SUMMIT, VISIT OUR YOUTUBE CHANNEL







Breakfast & Exhibits | Plaza Concourse

Setting the Stage: A Historical Perspective from Alliance Leadership

Jason Twill | Director, Urban Apostles Pty Ltd; Board Member, Green Sports Alliance Justin Zeulner | Executive Director, Green Sports Alliance



Youth, Sports & Environment: An Interview with Calum Worthy

Interviewers: Addison Zeulner | *Student, Beverly Cleary School; Portland, Oregon* Kolby Aipa | *Student, Dwyer Middle School; Huntington Beach, California* Calum Worthy | *Actor, Writer, Producer* "As a founding partner of the Green Sports Alliance, AEG is proud to participate in the organization's annual Summit. The Green Sports Alliance Summit is a perfect opportunity to network with different venue operators, engineers, sales teams and vendors to leverage new partnerships to help drive meaningful social and environmental impact in the world of sports entertainment. This year's theme "Play Greener" fits perfectly with our mission at AEG and we are proud that two of our sports teams, the LA Kings and the LA Galaxy, were awarded for their work in the area of environmental sustainability."

SUNNY SOHRABIAN

Manager, Environmental Sustainability Projects and Initiatives, AEG



The Gloves are Off: How Athletes are Taking Action in Their Communities

Moderator: Abe Madkour | *Executive Editor, SportsBusiness Journal* Duke Aipa | *President, Aipa Surf Company, Professional Surfer & Surf Ambassador for the Surfrider Foundation* Jesikah Cavanaugh | *Student Athlete, Swimming, Oregon State University* Shane Keough | *Former Oakland A's Minor Leaguer; CEO, Global Ecosystem Solutions Inc.* Julia Landauer | *Championship Winning Driver, NASCAR*



Breakout Sessions

Getting Started | A Roadmap: Improving Campus Sustainability Utilizing the Power of Sports

Moderator: Lindsay Crum | *Metrics & Program Manager, Yale Office of Sustainability*

Kevin Discepolo | Assistant Athletic Director, Facilities, Operations & Events, Yale Athletics

Kaela Martins | Zero Waste Coordinator, University of Denver Bob Segar | Assistant Vice Chancellor of Campus Planning & Environmental Stewardship, University of California, Davis



Beyond the Basics | From Sourcing to Sorting: Innovations in Waste Management

Moderator: Charlotte Dreizen | *Project Associate, Sustainable Packaging Coalition, GreenBlue*

Ashley Gravlee | *Manager, Corporate Social Responsibility, Novelis, Inc.* Moira Hafer | *Sustainability Specialist, Office of Sustainability, Stanford University*

Dan Morash | Founder, California Safe Soil, LLC



Mobilizing Fans | What Floats & What Sinks: Lessons Learned in Stakeholder Engagement and Storytelling Around Water

Moderator: Sara Hoversten | Director, Corporate Partnerships, Bonneville Environmental Foundation Jason Kobeda | Senior Coordinator, Facility Operations, Major League Baseball Janette Micelli | Manager, External Communications, Corporate Communications, Waste Management Omar Mitchell | Vice President, Corporate Social Responsibility, NHL

E

Game Changers | Health & Wellness Spotlight: Protecting Athletes, Coaches and Administration via Sustainable Design

Moderator: Steve Levine | *President & CEO, Clean Air Group, Inc.* Chris DeVolder | *Managing Partner, HOK* Roger Elu | *Chief Engineer, Forty Niners Stadium Management Company* Kevin Lewis | *Sports Practice Director & Senior Vice-President, Henderson Engineers* Russ Romano | *Director, Athletic Training, University of Southern California*



Game Changers | Sustainability & Data – Making Sense out of a Crowded Marketplace

Moderator: Alexandra Harry, LEED AP | Senior Program Associate, Commercial Real Estate Engagement, Institute for Market Transformation Todd Brandel | Director of Product, Goby

Thomas Odenwald | *Executive Vice President, SupplyShift* Annabelle Stamm | *Senior Consultant, Quantis*





Lunch and Learn: LA 2024 Olympic Bid Committee

Mini Sessions

Mini-Session: Silica Versus Copper: A Sustainable NetworkInfrastructure by CorningMini-Session: Sustainable Transformation of Stadiums and Arenaswith Digital Lighting by Philips Lighting

Breakout Sessions

Getting Started | Leveraging Existing Resources: How Effective Partnerships Can Improve Your Triple Bottom Line

Moderator: Rahul Devaskar | *Membership Manager, Green Sports Alliance* Krista Daniszewski | *Sustainability Programs Specialist, Engineering Division, Township of Langley* Chip Maxson | *General Manager, Sacramento RiverCats* Chris Murphy | *President, Santa Cruz Warriors*



Beyond the Basics | Sports on the Move: Embracing Sustainability at Sports Events and Broadcasts

Moderator: Erik Distler | Director of Partnerships, Green Sports Alliance Lee Spivak | Senior Sustainability Associate, Waste Management Sustainability Services

Deveron Musgrave | Waste Prevention & Green Building Program Coordinator, City of Eugene

Colin Tetreault | Chair, Sustainability Committee, Phoenix Final Four Local Organizing Committee

Judi Weiss | Senior Operations Producer, College GameDay, ESPN



Mobilizing Fans | Tools & Strategies for Behavior Change Across Your Fan-Base

Moderator: Monica Rowand | *Program Manager, Ralphie's Green Stampede, University of Colorado-Boulder*

Aileen McManamon | Founder & Managing Partner, 5T Sports Group Brian McCullough | Assistant Professor, Sport Sustainability Leadership Certificate Program, Seattle University



Game Changers | Venues & Teams Working Together to Leverage Sustainability-Focused Fan Engagement

Moderator: Sunny Sohrabian | *Manager, Environmental Sustainability Projects & Initiatives, AEG*

Adam Duvendeck | Director of Operations, StubHub Center Amanda Ellis | Manager, Community Relations and Kings Care Foundation, LA Kings

Sean Langer | Director of Operations, Gila River Arena Lauren Nowinski | Director, Community Relations and LA Galaxy Foundation, LA Galaxy

Jessica Franco | Sustainability Programs Manager, STAPLES Center



Game Changers | Creating a Comfortable Environment to Increase Fan Experience

Moderator: Elaine Aye, IIDA, LEED Fellow | *Associate, Regional Manager, Green Building Services* Ryan Evans, PE, LEED AP BD+C | *Director of Sustainability and Research, Henderson Engineers* Ellen Mitchell Kozack | *Vice President & Director of Sustainability, HKS* Jason Munn, P. ENG | *Senior Project Manager, RWDI Inc.* Fred Ortiz, AIA | *Principal & Senior Vice President, Sports HKS*



Evening Main Stage Program

Keynote: Jeremy Jones | Founder and President, Protect Our Winters

Fans First: How the Collegiate Community Can Drive Sustainable Change

Moderator: Fahmida Ahmed | Director, Office of Sustainability, Stanford University Oppong Hemeng | Athletics Sustainability Coordinator, University of Florida Lauren Lichterman | Operations and Events Coordinator, Intercollegiate Athletics, The University of Texas Graham Oberly | Sustainability Coordinator, Athletics, The Ohio State University Katie Zeller | Sustainability Coordinator, UCLA Recreation





Sports Leadership Update

Moderator: Joe Khirallah | Founder & CEO, Green Bear Group; Strategic Advisor, Green Sports Alliance Susan Groh | Associate Director, Environmental Program, NFL Paul Hanlon | Senior Director, Ballpark Operations & Sustainability, MLB Catherine Kummer | Senior Director, Green Innovation and STEM Platforms, NASCAR Omar Mitchell | Vice President, Corporate Social Responsibility, NHL Lauren Tracy | Director of Strategic Initiatives, USTA Erin Schnieders | Vice President, Venues, NBA



Green Sports Celebration

An evening celebrating the achievements of the sports greening movement. The celebration was dedicated to the Green Sports Alliance Game Changers Award Ceremony, including the presentation of the Environmental Leadership Award and the Innovators of the Year Awards. Pictured above is Tak Yoshino, woodworking artist, presenting the Environmental Leadership Award to Susan Groh, on behalf of Jack Groh. Also featured was a recycled fashion show hosted by Renew Merchandise and Sacramento State University, showcasing original student designs.





ENVIRONMENTAL INNOVATORS OF THE YEAR AWARD WINNERS:

- Beaver Athletes Sustainability Team (Oregon State University)
- Bell Centre/Montreal Canadiens
- The Dow Chemical Company
- Indiana University Purdue University, Indianapolis (IUPUI)
- Jami Leveen, Aramark
- LA Galaxy
- LA Kings
- Monumental Sports & Entertainment
- Sailors for the Sea

2017 ENVIRONMENTAL LEADERSHIP AWARD RECIPIENT Jack Groh Director, Environmental Program, NFL

"I loved Bill Walton and the Sports Leadership panel. It was also a wonderful opportunity to represent Aramark as an innovator of the year. I am humbled by the recognition and honored to be included along with the other recipients. It's exceptional that Green Sports Alliance has the power to bring together the biggest and most influential sports organizations in a common cause."

JAMI LEVEEN Director of Community Relations, Aramark

THURSDAY, JUNE





Breakout Sessions Getting Started | Make it Last: Sustainable Solutions for Existing Venues

Moderator: Ryan Colker | *Director of Consultative Council/Presidential Advisor, National Institute of Building Sciences*

Michael Dohnert | Senior Director, Ballpark Operations, New York Mets Ned Dunn | Assistant Director, Redevelopment/Capital Budget, Seattle Center

Dan Munn | Senior Principal / Energy + Engineering Global Sector Leader, DLR Group

Andrew Pigozzi, AIA, LEED AP | Associate, Stantec Architecture



Beyond the Basics | From Clubs to Tournaments: Sustainability Solutions Across the Golf Industry

Kristin Cushman | *Executive Director & Founder, The Offset Project* Troy Flanagan | *Director, Golf Maintenance Operations, Olympic Club* Michele Grossman | *Managing Principal, Sustainability & Corporate Social Responsibility, Waste Management Sustainability Services* Keith Karbo | *Tournament Director, Volvik Championship, LPGA*

Mobilizing Fans | Creating a Sustainability ECCO System: Case Studies from the Eagles and Packers on Making a Difference in Their Community

Moderator: Lindsay Arell | *Lead Strategist and Consultant to Eagles, Honeycomb Strategies*

Aaron Popkey | *Director of Public Affairs, Green Bay Packers* Norman Vossschulte | *Director of Guest Experience, Philadelphia Eagles*



Game Changers | Purpose-Driven Platforms: Sponsorship Activation Aligned with Environmental & Social Sustainability

Moderator: Robin Raj | *Founder & Executive Director, Citizen Group & Board of Directors, Green Sports Alliance*

Keith Edwards | Head of Sales Management, Specialty Plastics, North America, BASF

Chris Hogan | Vice President of Communications and Public Affairs, Growth Energy

Steve Pastorino | Senior Director of Corporate Partnerships, Oakland A's













Closing Program

Responsible Sport: How the Sports Community is Addressing Social Equity through Sustainability

Moderator: Mary V. Harvey | *President, Ripple Effect Consulting; Athlete Ally Ambassador*

Andres Astralaga | Vice President, Human Resources, NFL Billy Bean | Vice President & Special Assistant to the Commissioner, MLB John Tortora | Chief Operating Officer, San Jose Sharks, NHL Stacy Wegzyn | Vice President, Human Resources, Sacramento Kings

Keynote: Peter "PT" Townend | *Legendary Surfer*



From Green to Blue: How Sports Are Leading the Way to Protect Our Oceans

Moderator: Dune Ives | *Ph.D., Executive Director Lonely Whale Foundation; Founding Member of Green Sports Alliance* R. Mark Davis | *President, Sailors for the Sea* Kevin Whilden | *Co-Founder, Sustainable Surf* David Young | *Vice President of Operations/General Manager, CenturyLink Field*



Closing Reception



FOR VIDEOS FROM THE 2017 SUMMIT, VISIT OUR YOUTUBE CHANNEL

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:

2016 SUMMIT EVENT REPORT >

2015 SUMMIT EVENT REPORT >

2014 SUMMIT PROGRAM >

2013 SUMMIT PROGRAM >

2012 SUMMIT PROGRAM >

2011 SUMMIT PROGRAM >