

Enhancing UCLA Athletic Event Sustainability Through Development of Comprehensive Green Templates



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Research Questions



- What are the most effective methods to achieve sustainability in UCLA Athletics programs?
- How can we implement and create guidelines for green sporting events at UCLA?

Significance



- 22 NCAA Division I Varsity teams and over 40 club sports
- Lacking in established sustainability practices
- Massive potential for improvement
 - Multiple areas can be targeted

Goals



1. Gather concrete data regarding waste produced at athletic events at UCLA.
2. Create comprehensive templates for how UCLA Athletics can become more sustainable.
3. Incorporate UCLA club sports into sustainability efforts.
4. Spread awareness of the need for sustainability in athletics & foster student athlete/attendee involvement within UCLA athletics

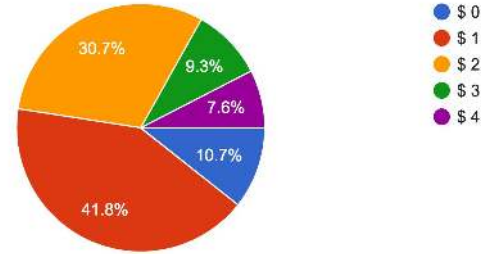
Student Survey



- 5 question survey
- 225 respondents
- Key takeaways
 - Students are moderately concerned about the environmental impacts of athletic events
 - 86.7% of students are interested or extremely interested in sustainable athletic events
 - 89.3% of students would pay at least \$1 extra per concession item for sustainable packaging

How much extra would you be willing to pay per concession item to have environmentally-friendly packaging?

225 responses



Pauley Pavilion Waste Audit



- Pac-12 Zero Waste Basketball Game
 - Over 1,500 pounds of waste generated
 - 94.7% diversion rate
 - Won Most-Improved subcategory
- Eye-opening findings about waste produced by concessions



Easton Stadium Waste Audit



- Set up system of labeled and unlabeled waste receptacles
- Sorted through trash bags to determine percentage of contamination at each station



Example Templates

Wallis Annenberg Stadium

Background:

- Wallis Annenberg Stadium is a 25,000-seat multi-purpose stadium located in Los Angeles, California. It is the home stadium of the Los Angeles Galaxy of Major League Soccer (MLS).
- The stadium was built in 2003 and is the largest stadium in Southern California.
- The stadium is owned by the Los Angeles Galaxy and is managed by the Los Angeles Sports and Entertainment Center.

Design:

- The stadium features a retractable roof that can be opened or closed in 15 minutes.
- The stadium is designed to be a sustainable building, with features such as solar panels, water recycling, and energy-efficient lighting.
- The stadium is also designed to be a community center, with features such as a restaurant, a bar, and a lounge.

Goals:

- To provide a world-class stadium for the Los Angeles Galaxy.
- To create a sustainable building that sets a new standard for stadium design.
- To create a community center that serves the Los Angeles community.

Concept, Program and Land Response Program Review:

Marina Aquatic Center

Background:

- The Marina Aquatic Center is a 25,000-seat aquatic center located in Los Angeles, California. It is the home of the Los Angeles Aquatics Club.
- The center was built in 2003 and is the largest aquatic center in Southern California.
- The center is owned by the Los Angeles Aquatics Club and is managed by the Los Angeles Sports and Entertainment Center.

Design:

- The center features a retractable roof that can be opened or closed in 15 minutes.
- The center is designed to be a sustainable building, with features such as solar panels, water recycling, and energy-efficient lighting.
- The center is also designed to be a community center, with features such as a restaurant, a bar, and a lounge.

Goals:

- To provide a world-class aquatic center for the Los Angeles Aquatics Club.
- To create a sustainable building that sets a new standard for aquatic center design.
- To create a community center that serves the Los Angeles community.

Concept, Program and Land Response Program Review:

Drake Stadium

Background:

- Drake Stadium is a 25,000-seat stadium located in Los Angeles, California. It is the home of the Los Angeles Galaxy of Major League Soccer (MLS).
- The stadium was built in 2003 and is the largest stadium in Southern California.
- The stadium is owned by the Los Angeles Galaxy and is managed by the Los Angeles Sports and Entertainment Center.

Design:

- The stadium features a retractable roof that can be opened or closed in 15 minutes.
- The stadium is designed to be a sustainable building, with features such as solar panels, water recycling, and energy-efficient lighting.
- The stadium is also designed to be a community center, with features such as a restaurant, a bar, and a lounge.

Goals:

- To provide a world-class stadium for the Los Angeles Galaxy.
- To create a sustainable building that sets a new standard for stadium design.
- To create a community center that serves the Los Angeles community.

Concept, Program and Land Response Program Review:

Pauley Pavilion

Background:

- Pauley Pavilion is a 25,000-seat arena located in Los Angeles, California. It is the home of the Los Angeles Lakers of the National Basketball Association (NBA).
- The arena was built in 1969 and is the largest arena in Southern California.
- The arena is owned by the Los Angeles Lakers and is managed by the Los Angeles Sports and Entertainment Center.

Design:

- The arena features a retractable roof that can be opened or closed in 15 minutes.
- The arena is designed to be a sustainable building, with features such as solar panels, water recycling, and energy-efficient lighting.
- The arena is also designed to be a community center, with features such as a restaurant, a bar, and a lounge.

Goals:

- To provide a world-class arena for the Los Angeles Lakers.
- To create a sustainable building that sets a new standard for arena design.
- To create a community center that serves the Los Angeles community.

Concept, Program and Land Response Program Review:

Spieker Aquatic Center

Background:

- The Spieker Aquatic Center is a 25,000-seat aquatic center located in Los Angeles, California. It is the home of the Los Angeles Aquatics Club.
- The center was built in 2003 and is the largest aquatic center in Southern California.
- The center is owned by the Los Angeles Aquatics Club and is managed by the Los Angeles Sports and Entertainment Center.

Design:

- The center features a retractable roof that can be opened or closed in 15 minutes.
- The center is designed to be a sustainable building, with features such as solar panels, water recycling, and energy-efficient lighting.
- The center is also designed to be a community center, with features such as a restaurant, a bar, and a lounge.

Goals:

- To provide a world-class aquatic center for the Los Angeles Aquatics Club.
- To create a sustainable building that sets a new standard for aquatic center design.
- To create a community center that serves the Los Angeles community.

Concept, Program and Land Response Program Review:

Marina Map

Background:

- The Marina Map is a map of the Marina area in Los Angeles, California. It shows the location of the Marina Aquatic Center and the surrounding area.
- The map is designed to be a sustainable map, with features such as solar panels, water recycling, and energy-efficient lighting.
- The map is also designed to be a community map, with features such as a restaurant, a bar, and a lounge.

Goals:

- To provide a world-class map for the Marina area.
- To create a sustainable map that sets a new standard for map design.
- To create a community map that serves the Marina community.

Concept, Program and Land Response Program Review:

Marina Map

Background:

- The Marina Map is a map of the Marina area in Los Angeles, California. It shows the location of the Marina Aquatic Center and the surrounding area.
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Goals:

- To provide a world-class map for the Marina area.
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- To create a community map that serves the Marina community.

Concept, Program and Land Response Program Review:

Receptive Map

Background:

- The Receptive Map is a map of the Receptive area in Los Angeles, California. It shows the location of the Receptive Center and the surrounding area.
- The map is designed to be a sustainable map, with features such as solar panels, water recycling, and energy-efficient lighting.
- The map is also designed to be a community map, with features such as a restaurant, a bar, and a lounge.

Goals:

- To provide a world-class map for the Receptive area.
- To create a sustainable map that sets a new standard for map design.
- To create a community map that serves the Receptive community.

Concept, Program and Land Response Program Review:

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- To provide a world-class map for the Receptive area.
- To create a sustainable map that sets a new standard for map design.
- To create a community map that serves the Receptive community.

Concept, Program and Land Response Program Review:

Challenges



- Scheduling complications and finding the appropriate contacts within ASUCLA
- Structuring templates -- general enough, yet sport specific

Future Challenges:

- Template implementation
- Where to send leftover food



What the future of SAR Green Games looks like



- Meet with ASUCLA to switch to compostable-ware and reducing landfill-material items
- Ensuring every facility on campus is equipped with consistent waste receptacles
- Establishing permanent sustainability positions within Athletics and the student-athlete body
- Incorporate our principles into club sports
- The future is bright -- there is great potential

A Quote from Kayla

2019 Green Gala Sustainability Advocate Award Winner, UCLA
Associate Director of Athletic Operations,
Kayla Shirey



“[Our project] was overdue and provided the much needed data to help make changes at our events. The waste audits were great examples of how operationally there needs to be systems in place to give the event a chance to be zero waste/sustainable.

Education is a key component and it starts with the in-house departments making conscious decisions about what products are being used and available for guests.

I think this project gives us a solid foundation for what we need to change internally to reach our goal of being a more sustainable department, not only on event day but in our day to day. I think there are a lot of opportunities for future SAR teams to make great progress within athletics!”

The End

Thank you to everyone who helped along the way!



Questions?