

Clean Regatta **Sustainability Report**
on the



TASAR WORLD CHAMPIONSHIP

SEPTEMBER 17th – 25th 2022
SEATTLE, WA

Hosted By: Seattle Yacht Club, The Seattle Tasar Fleet, and Corinthian Yacht Club - Seattle.

Prepared for: Sailors of the Sea Clean Regatta Program

Prepared by: Green Regatta Chair, Derek Bottles

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Introduction

The 2022 Tasar World Championships was sailed September 17-25, 2022, from Shilshole Marina, Seattle, Washington USA. The event was hosted by the Seattle Tasar Fleet, Seattle Yacht Club and Corinthian Yacht Club. The organizing committee identified sustainability as an event goal and selected the Clean Regatta guide and checklists as a road map to meeting our sustainability goal.

Beyond the requirements identified in the Clean Regattas program, the committee decided to offset the event's carbon footprint and identify ways to advance the sustainability philosophy at future events held in the region. Details on the carbon offsets are covered in Section 22. The conversations within local race committees are ongoing but a few ideas include replacing our support boats with electric motors on replacement or repower, embracing paperless event management, and being prepared for shore side cleanups during postponements.

Weaving the guidelines of a Clean Regatta into the event impacted everything the organizational team did. We came away feeling the effort was far more rewarding than a difficult burden. For the most part, it took only minor tweaks to produce significant outcomes. We encourage future events to follow these guidelines and learn from this report.

Regatta Information

Report Submitted by

Derek Bottles, Green Team Chair derek@derekbottles.com

Name of Regatta

2022 Tasar World Championship

Regattas Dates

September 17-25, 2022

Regatta Location

7001 Seaview Ave NW Seattle, WA 98117 USA

Organizing Committee members and volunteers involved in sustainability initiatives:

Libby Johnson McKee

Stephanie Cook

Lisa Renehan – competitor

Doug Bourlier - volunteer

Molly Lanzinger – competitor

Molly Karas – volunteer

Derek Bottles - competitor

Kyra Lemmelin – Seattle University Student

Goal 1: Eliminate Single Use Water Bottles

The event provided two filling stations built with upcycled surplus parts and new filter elements. We made sure all participants knew where these stations were located. One was placed near the upland wash station and the other on the floating docks where most boats were launched or tied down. Both were easy to reach by all competitors and the volunteers. We are planning to use these stations at future events. The event did not provide water bottles to competitors or volunteers and worked with the support boats to ensure they had alternative ways to provide water.



Goal 2: Eliminate Plastic Straws

Plastic Straws and Utensils were banned by the City of Seattle starting July 1, 2018; thus they are not offered at any venue the Regatta used. Just to be safe we also ensured the catering services would not provide them.

<https://www.seattle.gov/documents/Departments/SPU/Services/Recycling/EnglishSPUFlyer-LetterStrawsandUtensilsAM.pdf>

Goal 3: Serve Food with Plastic Free Dinnerware

The events at Seattle Yacht Club (SYC) were served with reusable plates, silverware, and glasses. The events at Raptor Deck's office and on the Virginia V Steam Ship used rapidly composting products per our direction when contracting for the catering services.



Goal 4: Use or Provide Reusable Bags

The event provided a reusable bag to all teams that held the regatta shirt when delivered.



Goal 5: Award practical items, Use a Perpetual Trophy

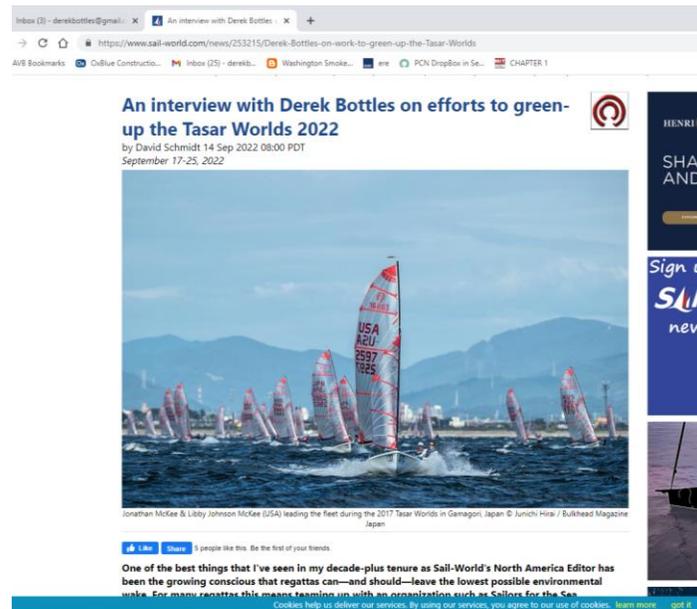
The main trophy is a perpetual trophy, shown in the photo below. The other trophies were practical items including a sail, hats, jackets, reusable glass bottles etc.



Goal 6: Publicize Your Sustainability Efforts

The regatta managed to get several magazine stories written about the event and the Clean Regattas Program. An article on sustainability was included in the Binnacle, Seattle Yacht Club's membership magazine. We posted about the Clean Regatta efforts on social media platforms before and during the event.

We also had a story published by Sail World on our sustainable efforts:



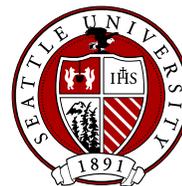
<https://www.sail-world.com/news/253215/Derek-Bottles-on-work-to-green-up-the-Tasar-Worlds>

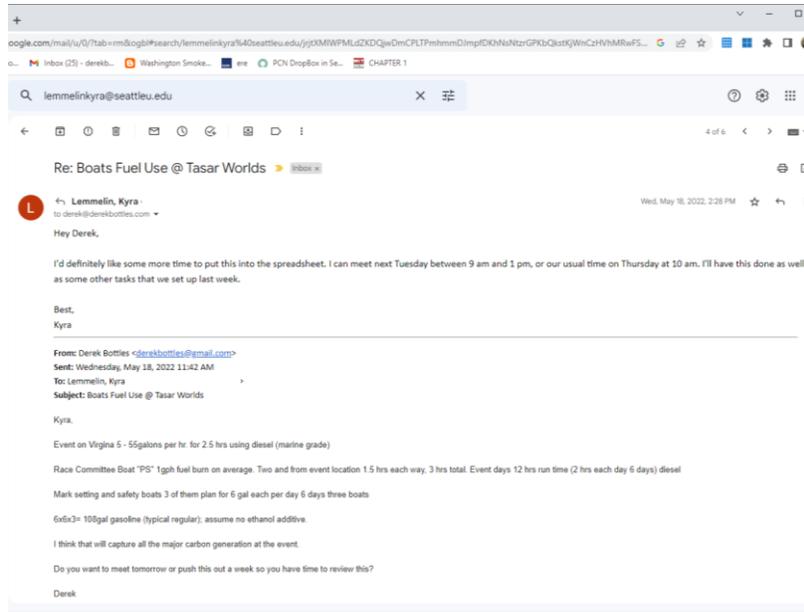
Goal 7: Involve Local Organizations

Working with the hosting yacht clubs and the Port of Seattle created a number of positive conversations on how to modify our local practices to support the goals outlined in the Clean Regatta Checklist. Both Seattle Yacht Club and Corinthian Yacht Club's staff and committee members embraced the goals, and everyone agreed to make changes that can be applied at future events. The clubs committed to Goals 1, 2, 3, 5 & 11. We also started a conversation on a long-term plan to electrify the committee boat. The use of electric self-setting marks will also continue. Composting efforts were increased at both Yacht Clubs as a result of involving the organizations.

Seattle University was also involved to help select a student who could help us build a carbon calculator and figure out our larger impact and the appropriate mitigation for that impact.

SeattleU's website <https://www.seattleu.edu/cejs/campus-sustainability/>





Goal 8: Post Educational and Reusable Signage

We met the requirement for educational signage with a QR code link to Sailors for the Sea at registration, signs on the waste bins and information on the water filling statins about the quality of the filters and eliminating single use water bottles. However, in hindsight we could have done better if we had made a reusable banner with links via QR code as we originally planned but the person working on that task came down with Covid the week prior to the event and was thus not on site till late in the event. We liked this reusable welcome sign:



Goal 9: Serve Local Food or Source Seafood Sustainably

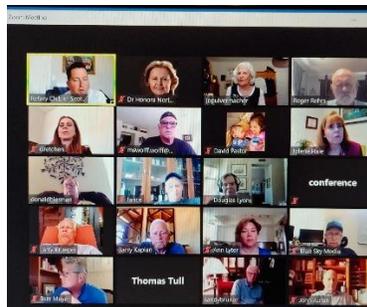
The green team worked with our catering providers to include local and sustainable food selections. We also made sure to include gluten free, vegetarian, vegan, and dairy free options at all events. We prohibited farm raised fish. Local wines and beers shown.



Goal 10: Organize a Green Team

The organizing committee set up the green team early in the process, about 9 months prior to the event. The chair communicated with the committee on regular calls and worked with other members to tackle each task.

Lesson Learned: We had one person coordinate the food at all the events. Several checklist items relate to food services including Goal 9, Goal 12, and Goal 17. As she understood these requirements, she ensured we met these goals even if she was not organizing other details of each shoreside event.



Goal 11: Ensure Proper Waste Bin Placement and Signage

Before the event we visited all the areas the participants would gather (yacht club, marina parking, boat storage, launching ramp and docks) and ensured trash and recycling bins were present and labeled. At

events participants were bussing their own dishes we also provided composting. When necessary, we provided additional bins with signage on each.



Lesson Learned: At another event we saw the pictured system and think in the future we will copy this board placed over the bins as it is easy to reuse and adaptable.



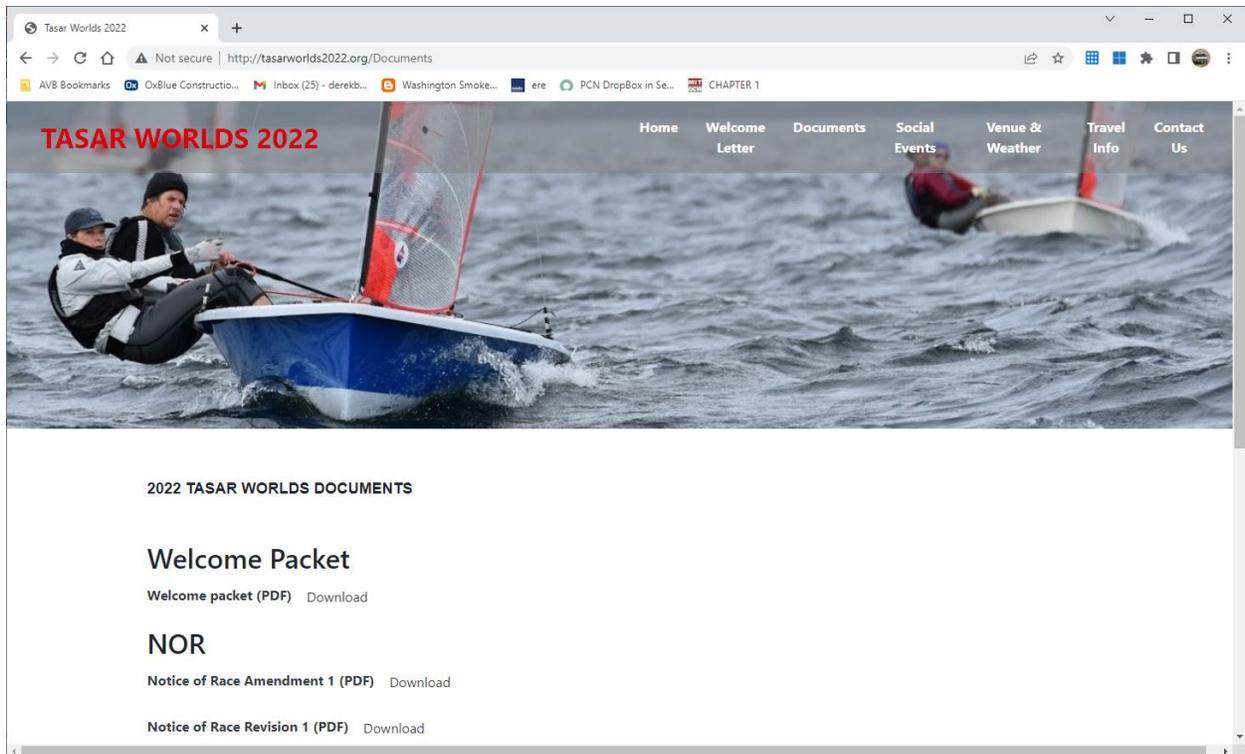
Goal 12: Divert Food Waste from Landfill

The green team asked the yacht clubs to increase their composting efforts. Compost waste streams are provided throughout the City of Seattle and all food venues are required to compost and provide triple waste stream disposal options for patrons. We ensured recycling and compost were available at all event locations.

Goal 13: Use Paperless Event Management

The event used email, text, and web pages to post results, NOR updates and other communications rather than handing out paper copies.

The green team also sourced composting nametags for the social events.



Goal 14: Host a Beach or Marina Clean-up

During the lay day several competitors and volunteers met to pick up and dispose of garbage in the boat park area and on the floating docks around where we based the event, comprising the north end of Shilshole Marina.

At the end of post racing debriefs we asked competitors to pick up the area and make sure all trash was properly disposed of.

Goal 15: Promote Alternative Transportation

Information was provided to all competitors about bike rental, electric car charging, and the committee worked to set up car sharing and carpools. We also arranged lodging at the host marina on boats, so some participants did not need to drive at all. The committee also committed to offsetting the CO2 emissions from transportation to the event and locally during the event. See Goal 22.



Goal 16: Increase Awareness of Wildlife and habitat Protection.

We discussed anchor types with the committee boat and designed the racing so the committee boat would only anchor once per day. We then used the Mark Set Bot to configure the course significantly reducing anchoring impacts on the sea bottom. In our case we almost always set courses in deep water well away from eel grass, but we did make sure the committee boat understood how eel grass is a critical habitat in our area and to not set up the areas the grasses grow just in case conditions were unusual.

Following on the efforts Washington State is making to protect Orcas posters as pictured were posted next to the office notice board at CYC and at all the launching areas.



Goal 17: Offer Vegetarian or Vegan Alternatives

We offered vegetarian, vegan, and gluten free options at all events. We a significant amount of non-meat dishes and thus limited the amount and size of meat dishes.

Menu from Thursday Event:

HORS D'OEUVRES

- Mini Dungeness Crab Cakes, Cilantro-Jalapeno Aioli
- Peppadew Poppers, Cashew "Cheese" & Rosemary - V/GF
- Creamed Spinach and Marcona Almond Stuffed Crimini Mushroom - V/GF

BUFFET SERVICE

- Chilled Citrus Roasted Northwest Salmon, Dill Sauce - GF
- Fried Chicken Sliders, Kimchi Mayo, Pickled Cucumbers
- Deviled Eggs, Pickled Mustard Seed, Truffle Salt - 1.5pp - GF/DF/Veg
- Grilled Vegetables, Smoked Tomato-Hazelnut Romesco (contains nuts) - V/GF
- Fresh Vegetarian Rice Paper Spring Rolls, Thai Sauce - 2pp - GF/V
- Orzo Salad, Butternut Squash, Sage – V

SWEETS

- Chocolate Cupcake, Chocolate Ganache, Chocolate Buttercream - Veg
- Strawberry Short-Cupcakes, Vanilla Cake, Vanilla Mascarpone, Fresh Strawberry - Veg
- Housemade "Butterfinger" Bites - V/GF

Goal 18: Use Eco-Smart Race Management

The committee used Mark Set Bots powered by electric motors. The committee also decided to use reduced speeds to travel to the racing area. The number of crash boats was kept to what was required to run the event.



Photo by: Sean Trew, 2022

Goal 19: Prevent Toxins from Entering the Water

The welcome letter discussed on the water trash management and the subject was covered at competitor briefings. During preparation for the event, we discussed best practices for refueling and determined we would not refuel the support boats on the water to prevent spills. We also briefed all the boat operators on the importance of preventing spills and having a way to gather trash on board for shoreside disposal.

Goal 20: Encourage Green Boating Practices

We published Sailors for the Sea and green boating throughout the event. A QR code to Sailors for the Sea (on the registration desk below) was provided as well as information on social media, emails, zoom calls, and in the welcome packet.



Additional ideas not in the Clean Regattas Check List:

Goal 21: Hold Brainstorming Sessions on additional short- and long-term ideas:

During numerous meetings of the green team members, we discussed other steps we could take and set out some long-term goals beyond just the worlds.

Ideas included:

Selecting regatta shirts, bibs, etc. that are made with recycled materials.

Research the advantages of SPF/UPF rated clothing vs sunscreen:

- Should events promote SPF/UPF clothing to reduce the amount of sunscreen used that may then enter the water and educate sailors about the advantages of clothing that is more effective than using sunscreen? At this event we decided to select a SPF/UPF 50 shirt even though it was not made with recycled materials partly for this reason. We think additional study of this subject is warranted.

<https://www.columbia.com/sun-protective-technology.html#:~:text=The%20researchers%20found%20that%20all,of%2076%25%20to%2094%25.>

<https://health.clevelandclinic.org/does-sun-protection-clothing-actually-work/>

Holding education sessions with the regatta planning committees of local yacht clubs.

Converting our fleets of chase boats and committee boats to electric power or replacing them with electric boats. There are several advantages of not dealing with fuel for the yacht clubs, logistics of not moving fuel jugs around, dramatically less chance of a spill, lower carbon footprints, lower maintenance cost, more reliability.

Should events contract a bus or van to move competitors around and other ways to promote carpooling. We did facilitate carpooling for judges and other race officers at this event.

Goal 22: Carbon Off Set Calculations:

The committee worked with Seattle University, who put us in contact with Kyra Lemmelin, a student working with a professor to build a tool to calculate the carbon emissions from travel, meals, and hosting the regatta. This tool was built using excel and we provided it to Sailors for the Sea so other events can use it in the future.

We calculated the event created 59 metric tons of CO2 emissions, mostly from air travel to the event. As this was a world championship several teams traveled a significant distance. Details are included in the worksheet submitted with this form.

The green team wanted to buy credits that align with Sailors for the Sea's mission and benefit the water we sail on. It turns out most carbon credits sold in small quantities are not targeted to a specific benefit. After significant searching we found the Ocean Foundation that does allow buying credits in the

quantities we desired, and the funds are used to benefit seagrass. These may not be local but at least some of their projects do support the winter end of marine migrations from the Salish Sea.

For 59 metric tons we paid \$1,180, \$20/ton including administrative cost and a contribution to education. oceanfdn.org

Lessons Learned:

Prepare a photo checklist and post it on social media and provide a place for attendees to upload their photos. When busy competing or hosting the event, it can be hard to remember to take photos for each subject with other pressing issues on the mind. Tracking down photos was much harder than we expected after the event.

Putting together a few short, to-the-point pages on the event's website could improve communication and would be reusable for other events on the subjects such as preventing toxins from entering the water, not interfering with marine wildlife and so forth.