

April 2022

ASCE SEATTLE & STRUCTURAL ENGINEERS ASSOCIATION OF WASHINGTON JOINT APRIL MEETING

**LIKE BUILDING A SHIP IN A BOTTLE:  
AN OVERVIEW OF THE ENGINEERING  
& CONSTRUCTION OF CLIMATE  
PLEDGE ARENA**

JOIN US AT THE MUSEUM OF FLIGHT  
TUESDAY, APRIL 26  
5:00PM - 7:00PM



The historic Seattle Center Arena started out as part of the 1962 World's Fair and recently underwent a major transformation into Climate Pledge Arena, the \$930-million new home for the latest NHL franchise the Seattle Kraken. This 800,000-square-foot, mostly below-grade venue will hold more than 17,000 fans for hockey, basketball, concerts, and other events. Designing and constructing a new steel-framed arena below the temporarily supported 44-million pound roof and around the temporary shoring was much like building a ship in a bottle. Here we will provide an overview of the project, dive into some of the major engineering and construction challenges associated with the renovation, and discuss the innovative and collaborative methods utilized by the team to make this one-of-a-kind renovation of a historically landmarked building a success.

**Presenters:** Tess Massaroni, Superintendent, Mortenson Construction; Brian MacRae, PE, SE, Vice President at Thornton Tomasetti; Mike Oakland, Ph.D, PE, Vice President with Thornton Tomasetti; Shawn Leary, Principal at Thornton Tomasetti

[Register Here](#)

**Date:** Tuesday, April 26

**Time:** 5:00pm - 7:00pm

**Location:** Museum of Flight  
9404 E Marginal Way S, Seattle, WA  
98108. [Click here](#) for directions

**Cost:** ASCE & SEAW Members - \$55  
Non-Members - \$75

**PDH:** 1 Hour PDH certificates will be given out to attendees after the meeting.



## April President's Column

By Don Nguyen, PE, SE, ENV SP, STP  
ASCE Seattle Section President

Hello Seattle Section!

Last month, we hosted our annual Local Outstanding Civil Engineering Achievement (LOCEA) Awards ceremony. It was great to see the incredible work our industry is producing despite the pandemic. A recording will be made available soon on our [Youtube channel](#). Subscribe to the channel and activate notifications to see future meeting recordings. We will also spotlight each of the projects in

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**MAY 2022  
NEWSLETTER  
CONTENT DEADLINE:  
April 20, 2022**

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the coming months' newsletters.

One of our LOCEA winners is the Climate Pledge Arena, which will be the topic of this month's joint Section meeting with SEAW. SEAW will be hosting the joint meeting this year and it will be an in-person dinner meeting.

I want to take a moment to talk about finding your path within ASCE. ASCE can provide you with different opportunities and experiences. Some people enjoy the technical side of ASCE. Locally we have many different technical committees and meetings you can attend. You can also get free PDHs and watch webinars from national ASCE. Others enjoy the networking aspect. You can meet new clients, subconsultants, colleagues, and friends. Some like the soft-skills training and leadership that ASCE provides. You can work together with a team to make an event successful. You can find a mentor or mentee to share your experiences. This organization succeeds only with your help. By volunteering your time, bringing along others to upcoming events, or engaging in any other way, you can make ASCE a better place for everyone.

Thanks for reading, I hope to see you at an upcoming event!

Are you considering becoming an ASCE Member?  
**Each month we'll be highlighting a unique benefit of membership.**

### **Participate in Technical Divisions**

Add to your resume and connections as you explore the newest developments in research and practice from cross-cutting areas such as: Aerospace, Changing Climate, Cold Regions Engineering, Computing, Energy, Forensic Engineering, Infrastructure Resilience, Wind Engineering

**[Join ASCE Today!](#)**

**[To learn about all the great Member Benefits, check out this guide!](#)**

## ASCE SEATTLE SCHOLARSHIPS NOW OPEN!



### SEATTLE YMF SCHOLARSHIP

**DUE APRIL 15, 2022 (\$1,000!)**

### R.H. THOMSON SCHOLARSHIP

**DUE APRIL 25, 2022 (\$5,000!)**

### RICHARD WILLIAMSON JONES MEMORIAL SCHOLARSHIP

**DUE JUNE 25, 2022 (\$2,000!)**

## Upcoming Committee Meetings

### History & Heritage Committee

The ASCE Seattle **History and Heritage Committee's** next meeting will be held on **Saturday, May 7, at 8:30am**. History & Heritage Committee meetings are held via Zoom. If you are interested in joining ASCE Seattle's History and Heritage Committee or attending their monthly virtual meetings, reach out to [Cindy Hirsch](#).

### EWRI Committee

The EWRI March online lunch presentation is on **Thursday, April 21 at 12 noon**. The topic is **Relevant to 6PPD-Quinone and Environmental Forensics with Dr. Kirk O'Reilly, Exponent**

Contact [seattleascewre@gmail.com](mailto:seattleascewre@gmail.com) if you are interested in being added to the Seattle Section EWRI mailing list to make sure you receive EWRI meeting notices and the link to join the virtual meeting!

### Small Private Development Committee

The **ASCE Seattle Small Private Development Committee's** next meeting will be held virtually on **Wednesday, April 20, at 5:00pm**. This month we are joined by Branin Burdette. Branin recently became the Development Review Supervisor for SDOT's Street Use Division.

[Click here for Zoom link to join.](#)

### Diversity Committee

The next Diversity Committee Meeting is scheduled for **Tuesday, April 19 at 5pm**.

If you are interested in joining ASCE Seattle's Diversity Committee or attending their monthly virtual meetings, reach out to Diversity Chair, [Joshua Shin](#).

## Call for Volunteer: ASCE Coordinator for WAsafe

The Seattle Section of ASCE is looking for an **ASCE Coordinator for WAsafe!** WAsafe is a coalition of professional organizations (ASCE, SEAW, and AIA) whose primary mission is to assist local communities by performing visual evaluations for post-disaster building safety. Please see [this presentation](#) for more information.

You may be a good fit for this position if you are:

- A licensed Professional Engineer and are passionate about informing and supporting disaster preparedness in the Pacific Northwest.
- Interested in developing and strengthening relationships with like-minded professionals in the A/E/C industry.
- Available for approximately 5 to 10 hours per month and interested in helping to:
  - Administer and grow the roster of trained inspectors
  - Attend meetings (currently virtual) and training with other WAsafe Coordinators and coalition representatives
  - Develop your own training and knowledge related to disaster preparedness

This is an amazing opportunity to serve the Seattle Section of ASCE, your local community, and the region at large! Thank you for your consideration, and **please reach out to [Ross Brazzale](#) if you are interested or have any questions!**

## Membership Discount for WSDOT Employees

Attention WSDOT employees! A new ASCE membership discount is now available to you! WSDOT employees can now



receive a **25% discount on membership renewals and new memberships using promo code DOT-WSDOT**. Enjoy all the benefits of membership, including 10 free professional development hours (PDHs) and more!

Not currently a member? Go to <https://www.asce.org/join/> and Click "Join Now." Use your WSDOT email address (alternate emails can be added later) and use the promo code to receive 25% off!

If you need any assistance in joining, please contact ASCE at (800) 548-2723 or [gov\\_engineer@asce.org](mailto:gov_engineer@asce.org).

## LOCEA Spotlight

Congratulations to the winners of the 2022 LOCEA Awards (presented March, 2022)! Each month we will be highlighting a different LOCEA award winning project. This month we are pleased to highlight the winner in the **Small Projects & Non Construction Studies Category**.

### Kenmore Boathouse

**Project Owner:** City of Kenmore

**Nominated by:** Osborn Consulting, Inc.

The Kenmore Boathouse was completed in the spring of 2021 and is the latest improvement to the City's Rhododendron Park. Serving as the only public access boathouse of its kind in the north Lake Washington region, the Kenmore Boathouse enables access to canoers and kayakers, regardless of socioeconomic status. The space was designed to be modular and multifunctional to accommodate different programmatic needs at different times. With an active Kenmore Rowing Club and local high school rowing programs, the new boathouse meets the needs of Kenmore's greater community and will be a treasured asset for years to come. Since July of 2021, over 400 boat enthusiasts have made use of the Kenmore Boathouse, including school teams, adult practices, youth summer camps, and learn-to-row programs.



[Read about all the LOCEA Award Winners here.](#)

## K-12 Volunteer Interest Form

**Are you interested in volunteering for K-12 STEM events and interested in inspiring the next generation of engineers?**

If you answered **YES**, please fill out the google form to the right if you would like to be updated about future K-12 volunteer events in the Seattle Area. After you fill out this form, you will be notified of K-12 volunteer opportunities in the area. Please know that you are not required to sign up for any event by filling out this form.

Please contact Nicki Peden (K-12 Outreach Chair) at [k12asce.seattle@gmail.com](mailto:k12asce.seattle@gmail.com) for any questions, comments or additional information



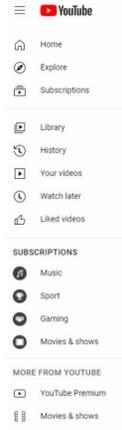
[Google Form](#)

## Section Meeting Recordings Now on YouTube!

ASCE Seattle is now on YouTube!

Find recordings of our past Section Meetings and subscribe to our channel to catch future videos here:

[ASCE Seattle Section - YouTube](#)



# ASCE Seattle Job Board

## Current Job Openings:



### Engineering Consultant & Contracts Officer | Washington State Department of Ecology

Posted: 3/23/2022

In this role, you will be a senior level engineer that negotiates, manages, and executes the contract needs throughout the public works process for state lead cleanups. You will work on a variety of different cleanup sites, from smelter yard cleanups to complex sediment sites, while working closely with staff throughout the state. You will gain valuable skills in contracting, negotiations, project management, and program evaluation and development as the program grows.

[Read more here.](#)



### Roadway/Civil Engineer, Project Manager | KPFF Consulting Engineers (Seattle)

Posted: 2/22/2022

Our Transportation team is seeking highly motivated Roadway/Civil Engineers and Project Managers with a minimum of 3 years of civil related engineering experience on transportation projects. These positions will provide an opportunity to work with a variety of clients delivering infrastructure projects including major transportation projects in a team environment.

[Read more here.](#)

**Click to View Full Descriptions & How to Apply!**

Advertise your current open positions to ASCE Seattle members today for only \$75 for the first month and \$50 for each subsequent month of the same content.

[Email communications@seattleasce.org to learn more.](mailto:communications@seattleasce.org)

**DID YOU KNOW?** All ASCE Seattle Members are always invited to join the Seattle Section Board Members at the monthly Board Meeting. Interested in attending? Check the [calendar on the ASCE Seattle website](#) for the meeting time and location and email [president@seattleasce.org](mailto:president@seattleasce.org) if you plan on joining us!

Are you passionate about social media? Interested in helping the Seattle Section grow our virtual presence? Reach out to our Communications Chair at [communications@seattleasce.org](mailto:communications@seattleasce.org), we're looking for creative minds to help grow and improve our social media!

