COLUMBIA SECTION MONTHLY NEWSLETTER

Since October 10, 1950 April 2023

Columbia Section Upcoming Presentation

Please join us on Thursday April 27th at the Home Builders Association of Tri-Cities for a presentation about the Benton Franklin Council of Governments (BFCOG) Metropolitan Planning Organization (MPO). Deputy Director Erin Braich will talk to us about what the BFCOG does, its purpose, and how it can relate to us as civil engineers from either a consultant or a city/county engineering role. We will send out an invite once it gets closer. Erin Braich has his Master's in Urban and regional Planning and enjoys working for BFCOG as the Tri-Cities region is growing rapidly and can contribute to that growth and shape.

Date:
Thursday, April 27th , 2023

Time:
11:45am-1:00pm

Place:
10001 W Clearwater Ave, Kennewick WA 99336

Lumch will be provided– Pizza

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- Monthly Spotlight
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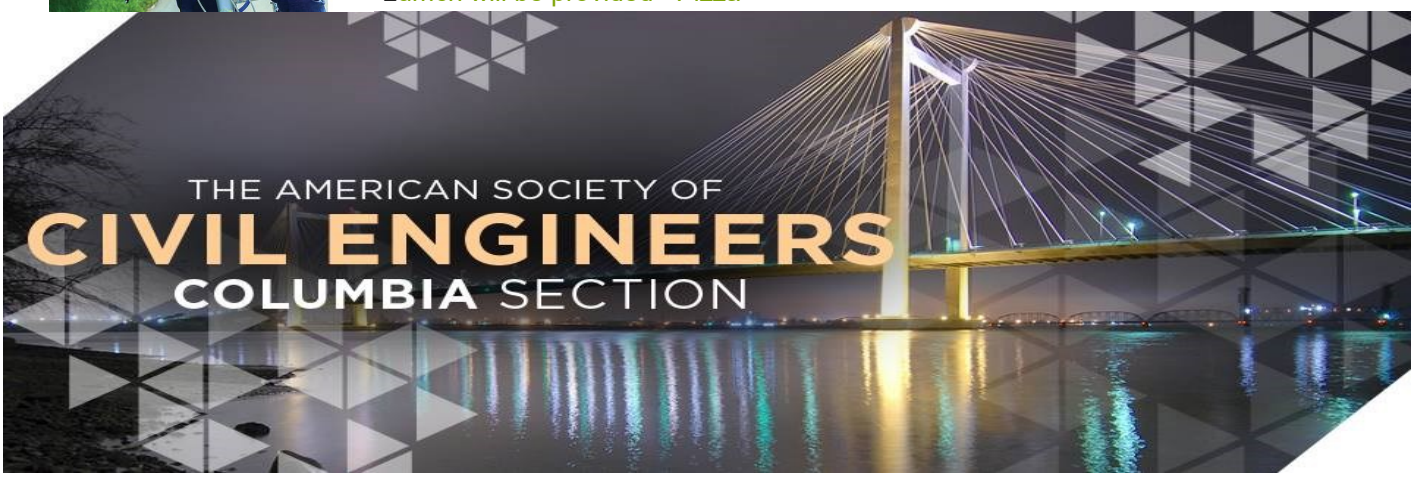
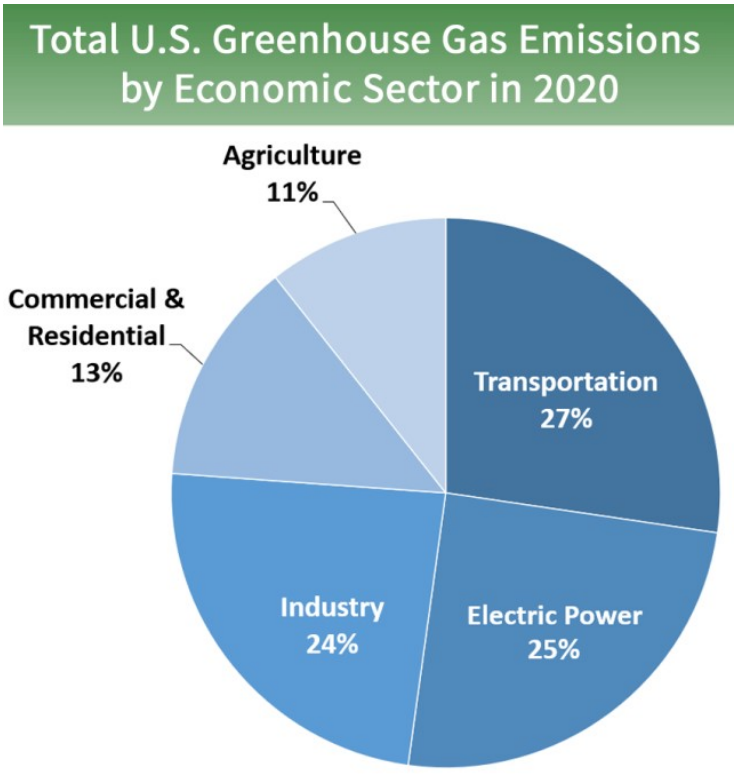
Visit us on Facebook!



ASCE March Monthly Spotlight

UN Climate Report: Governments Must Accelerate Efforts to Reduce Greenhouse Gas Emissions



The Intergovernmental Panel on Climate Change's latest and final climate report warns that time is running out to be able to avoid the most catastrophic impacts of a rapidly overheating planet. The report authors contend that governments around the world have about a decade to stop the rise of global temperatures and the extreme weather events that accompany them. The IPCC's authors say that multiple, feasible and effective options to reduce greenhouse gas emissions exist and are widely available now. "Mainstreaming effective and equitable climate action will not only reduce losses and damages for nature and people, it will also provide wider benefits," IPCC Chair Hoesung Lee said in a statement. However, these efforts need to begin almost immediately across virtually every sector of society. "Keeping warming to 1.5° C above pre-industrial levels requires deep, rapid and sustained greenhouse gas emissions reductions in all sectors" over the next decade, the IPCC concluded.

Read more in ENR

Tri-City area STEM sector is both rich and poor

The greater Tri-Cities is rich with STEM jobs. The STEM-richness of the local economy is largely due the outsized presence of engineers. Statewide, that general occupation made up 1.6% of the workforce in 2021. For the greater Tri-Cities, the share of engineers was nearly double, at 2.8%. Yet, if the greater Tri-Cities labor force is STEM-rich, the composition of its companies is STEM-poor. We do not have ready definitions of science & technology companies as BLS provides for the labor force. Yet, it seems clear that, outside of PNNL and Hanford-related activities, the cup of local economy doesn't overflow with technology companies. In all, however, these likely STEM-oriented companies sum to a few dozen – out of a universe of about 9,000 firms in the two counties. And the total headcount of these companies? About 1,000, or less than 1% of the total number employed in 2021. If the greater Tri-Cities is to translate its human capital wealth into a technology-rich economy, progress will need to be made on at least these barriers.

Read more in Tri-Cities Area Journal of Business

ASCE Howard Preston Scholarship Information and Application Paperwork

HOWARD PRESTON SCHOLARSHIP AWARD
AMERICAN SOCIETY OF CIVIL ENGINEERS · COLUMBIA SECTION

The Columbia Section of the American Society of Civil Engineers invites applications for the Howard Preston Scholarship Award. The purpose of the scholarship is to promote excellence and professionalism in the field of Civil Engineering. The scholarship will provide financial support for the student's educational expenses.

Scholarships to be awarded will be for $1,000. Scholarships are in the form of certificates of award conditioned upon the enrollment of the student as specified under student eligibility requirements. Upon receipt of notice of enrollment from proper officials, a check for the amount of the award will be forwarded to the college or university to establish a credit for the student.

STUDENT ELIGIBILITY REQUIREMENTS:	**STUDENT SELECTION will be based on the following standards:**	
1. Be enrolled by the fall term of 2023 in Civil Engineering with a minimum of sophomore status or be a graduate student in Civil Engineering in an ABET (Accreditation Board for Engineering and Technology) accredited college or university in the United States of America. **and** **2.** U.S. Citizenship **and** **3.** Student graduated from high school located within or have parents residing within the following Columbia Section boundaries: *Washington:* Counties of Yakima, Kittitas, Klickitat, Benton, Franklin, Walla Walla, and Columbia *Oregon:* Counties of Morrow, Umatilla, Union, and Wallowa **or** Have been a resident or student within one of the counties listed above for at least two years. **and** **4.** Have an overall GPA of 2.5 or higher based on a 4.0 scale or equivalent	**1.** Need Analysis Description **2.** Leadership & Professional Character **3.** Scholastic **4.** Other Factors at discretion of selection committee	40 % 30 % 20 % 10 %

ASCE COLUMBIA SECTION

STUDENT APPLICATION PROCEDURE

1. Send the attached application to:

Gerardo Rico
3611 South Zintel Way
Kennewick, WA 99337

OR

Email: ASCEColumbiaYMF@gmail.com

2. Provide directly from the college or university to the above address an official transcript showing all college work.

3. Discuss which branch of Civil Engineering you are interested in and why.

All application materials must be received no later than **April 28, 2023**, in order that awardees may be selected by June 1, 2023. Award recipients will be honored at a technical lunch meeting hosted by the ASCE Columbia Section in June 2023 in Tri-Cities, WA (attendance at the meeting is not required to receive scholarship).

ASCE
COLUMBIA SECTION

HOWARD PRESTON SCHOLARSHIP AWARD
AMERICAN SOCIETY OF CIVIL ENGINEERS · COLUMBIA SECTION

APPLICATION

Student Full Name: _____ **Email:** _____

Student Address: _____ **State:** _____ **Zip:** _____

Phone: _____ **How long at this address:** _____

Date and Place of Birth: _____ **U.S. Citizenship?:** _____

Father's Information

Name: _____Phone:_____

Address: _____ State: _____ Zip: _____

County:_____

Mother's Information

Name: _____Phone:_____
(if different from father's)

Address: _____ State: _____ Zip: _____
(if different from father's)

County:_____

High School Applicant graduated from:

School: _____ Year: _____

Address: _____ City: _____ State: _____

Name, City, and Dates (Year, i.e. 2019-2021) of Colleges or Universities attended:

_____

_____

_____

_____

ASCE COLUMBIA SECTION

Additional information and separate pages may be submitted to cover the requested information.

1. NEED ANALYSIS DESCRIPTION

Provide a brief description of how you are financing your education and why you feel this money is important to your financial package. Include a rough annual breakdown of college expenses and sources of income, including grants, scholarships, jobs, assistance from family, etc.

2. LEADERSHIP AND PROFESSIONAL CHARACTER

A. Offices and positions of leadership (State name of organization, position and year).

B. List honors and awards:

C. List last three employers (State name, City, phone, and job title and date held):

D. List name, University, phone, and email of two professors for references:

E. List membership in organizations and dates:

F. List volunteer service for school, community, or other organization:

_____

_____

_____

_____

3. SCHOLASTIC

A. Current Grade Point Average:
Overall GPA: _____
Major GPA: _____

B. Provide a current official transcript directly from the college or university.

C. List honors and awards:

_____

_____

_____

D. Submit a schedule of upcoming courses for Fall Semester (include course titles and credits).

ASCE MEMBER

Are you a member of ASCE? Yes _____ No _____

_____ _____

DATE **SIGNATURE OF STUDENT**

APPLICATION SUBMITTAL

Application must be received no later than **April 28, 2023**.

Please submit application and supporting documentation to:

Gerardo Rico
3611 South Zintel Way
Kennewick, WA 99337

OR

ASCEColumbiaYMF@gmail.com

ASCE COLUMBIA SECTION