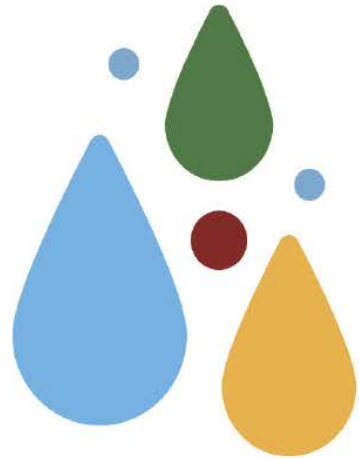




4TH ANNUAL



M I D W E S T

D E S I G N C O M P E T I T I O N

MA Collaboration & Partnerships.
Joe Lapastora – MSDC Chair

Overview

- Evolution of CSWEA Student Design Competition into Midwest Student Design Competition (MSDC).
- MSDC Planning and Additional MA Participation
- Structure of Competition
- Participating Parties
- Financial Support
- Lessons Learned & Takeaways



Evolution of Central States WEA Student Design Competition.

- 2023 marks the 9th year CSWEA hosted its SDC. (2014 – Current)
- Prior to 2020 competition, the SDC was only open to Universities within the Central States.
- 2014 & 2015 featured exclusively WEF categories.
- The GWS Problem Statement was introduced in 2016.
- Idea for Regional Competition (MSDC) started in 2018/19. CSWEA saw a mutually beneficial approach to bring in Universities that lie outside of CSWEA and fall under a neighboring MA who had not historically hosted an SDC. More student opportunities and also knowledge sharing across MAs.



MSDC Additional MA Participation

- Planning for the 1st Annual MSDC started in summer of 2019.
- We had a scenario play out, where an Iowa team was forwarded our competition rollout documents.
- Chain of communication was started between Iowa WEA and Central States WEA.
- Started approaching other Midwest MAs and gauged interest
 - *Costa Rica WEA* *
 - *Indiana WEA* **
 - *Iowa WEA* **
 - *Michigan WEA*
 - *North Dakota WEA*
 - *South Dakota WEA*

*New WEF Member Association

**Had University participate in this year's MSDC.

MSDC Structure

- Three (3) Categories;
 - WEF – Water Environment Category
 - WEF – Wastewater Category
 - Global Water Stewardship Category
- WEF Categories are open to CSWEA and any Universities within the surrounding MAs who approved participation.
- The GWS Category had historically been open to any team on a national level but in 2020 we expanded to allow teams to compete from outside the US.



1ST ANNUAL
MIDWEST
DESIGN COMPETITION

2020 APRIL 6, 2020
MONONA TERRACE
MADISON, WI

\$5000 IN AWARDS AND PRIZES
PRIZES INCLUDE:
GWS SERVICE TRIP
TO COSTA RICA
(\$4,000 VALUE)

The Midwest Student Design Competition is intended to promote 'real world and hands on' design experience for students interested in pursuing an education and/or career in water/wastewater engineering and sciences field. This year, the Midwest Student Design Competition on **Monday, April 6, 2020** in Madison, Wisconsin at the Monona Terrace Convention Center. This is a unique opportunity for students at the college level to demonstrate their engineering skills and practices by researching and preparing a design for a water quality-based project and presenting their project to water industry professionals.

There are three categories of Student Design Competitions available for students:
🔴 WEF Wastewater Design 🔴 WEF Environmental Design 🔴 Global Water Stewardship

Register Online at www.cswea.org/student-yeps/design-competition/

All students & professors will receive complimentary registration to the CSWEA 25th Annual Education Seminar on April 7, 2020.

REGISTER TEAMS BY JANUARY 31, 2020

SPONSORED BY:



Participation by the Numbers 2023

Number of Teams	17
Number of Schools	10
Number of WEF MAs	3
Number of Student Engaged	86
Number of Professors Engaged	4
Number of Judges Engaged	14



Financial Support for Design Teams

- CSWEA provides a \$500 stipend to all U.S. teams to help cover travel/lodging expenses to our competition.
 - *This has historically been covered via a WEF Seed Grant that CSWEA was awarded in 2020.*
- We simultaneously encourage students to seek additional funding opportunities via their University's Registrars office.
- Last resort – Our committee reaches out to non-CSWEA MA's to request additional \$\$ for design team(s), if needed.

Student Opportunities

- Career Fair.
- Resume collection and disbursement to MSDC sponsors.
- Attend CSWEA Education Seminar with CSWEA covering registration fee.
- Plug YP committees for WEF, CSWEA, and GWS.
- Encourage Industry professionals to come to Madison a day early and network with the students.



Takeaways

- The MSDC continues to be a huge success!
- COMMUNICATION IS KEY!
- We are happy to continue hosting Universities outside of CSWEA, however, our ultimate goals are to keep growing our competition while also hoping that a MA branches off and hosts their own SDC.
- For any WEF staff who has a voice at the Student Design Competition Level.. CSWEA is pushing for a third category for teams working on Service Projects (e.g. EWB & GWS Projects)
- To date, we have received confirmation from the following Midwest MAs to allow University Design Teams to compete at MSDC
 - *Iowa WEA **
 - *Indiana WEA **
 - *Missouri WEA **
 - *North Dakota WEA*
 - *South Dakota WEA*
 - *Michigan WEA*
- SIX (6) teams who competed at MSDC will go on to compete at WEFTEC.
 - *This includes Washington University in St. Louis which will be the first Missouri team to compete at WEFTEC.*

Thank You

Contact information:

Joe Lapastora

Lapastora@nmwrd.org

QUESTIONS?