



ANNOUNCEMENT

2018 CSWEA & WEF Student Design Competition

RULES OF THE COMPETITION

INTRODUCTION: The WEF 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 competition requires teams of students to design and present a program meeting the requirements of a problem statement. **There are three levels of competition;** a conventional Wastewater Design category which includes traditional wastewater design projects, an Environmental Design category which would include contemporary engineering design topics like sustainability, water reuse, wetland construction and Engineers Without Borders projects, and the Global Water Stewardship category which would use the problem statement identified in the attached document titled “Global Water Stewardship: Palmar Sur, Costa Rica”.

Detailed 2018 WEF competition guidelines will be provided to competitors when published, usually in May.

WORKLOAD: The project should include a problem statement, a development of alternatives and a recommended solution. The depth of the effort should be comparable to preliminary design. A key criterion in the judging of the competition is the manner and level of effort spent in evaluating the alternatives. Students are expected to work with little assistance from an advisor and/or professor, and the students are expected to work together as a team to find a solution to their problem. Students may use whatever references or resources they choose.

REQUIREMENTS: Teams may consist of more than four members, but only four students may present at the competitions.

Student teams will compete through oral presentations. Each presentation will be 20 minutes followed by a 10-minute question and answer period. The presentation should be in Power Point format.

The winning teams of the CSWEA competition will be required to submit a design notebook complying with the WEF competition requirements set forth in the WEF design competition entry guidelines.

DEADLINE **March 30, 2018:** Submittal of the Entry Form for the 2018 Student Design Competition is due. Submit to Mike Holland at mholland@kishwrd.com.

TIMELINE: **April 9, 2018:** CSWEA Design Competition will be held at the Monona Terrace, Madison, WI.

May 14 – 16, 2018: The winning team from the CSWEA Competition will be invited to present at the CSWEA Annual Meeting in Oakbrook Terrace, Illinois.

September 29 – October 3, 2018: The winning teams from the CSWEA Competition will be offered the opportunity to compete at WEFTEC-2018 in New Orleans, Louisiana.

PRESENTATION: The student design teams will present their projects at the Design Competition on Monday afternoon April 9th prior to the CSWEA Education Seminar in Monona Terrace; Madison, WI.

SELECTION: Representatives from CSWEA will judge the design competition based on these four elements: Content, Organization, Delivery and Effectiveness, and Discussion.

NOTIFICATION: The results of the competition will be issued to participants by the following Friday.

AWARDS: Each team that competes in the CSWEA Competition will receive free registration, one night of lodging and reimbursement of up to \$100.00 each in travel expenses for attendance at the CSWEA Design Competition and Education Seminar. These expenses are paid by the State Sections.

The winning team (max. of 4 members) from each category of the CSWEA competition will receive free registration from WEF and travel and lodging expenses paid by CSWEA to compete at the WEFTEC conference in New Orleans, Louisiana (September 29 – October 3, 2018).

Additionally, the winning team from the Global Water Stewardship category will also receive a travel and lodging stipend to accompany the next GWS team trip to Costa Rica for site analysis and investigations.

Prizes for the winning team at WEFTEC will vary depending on sponsorship opportunities. Monetary awards typically provided by WEF for the top 4 design teams are: 1st place \$2,500, 2nd place \$1,500, 3rd place \$1,000, 4th place \$750.

FOR ADDITIONAL INFORMATION, CONTACT:

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