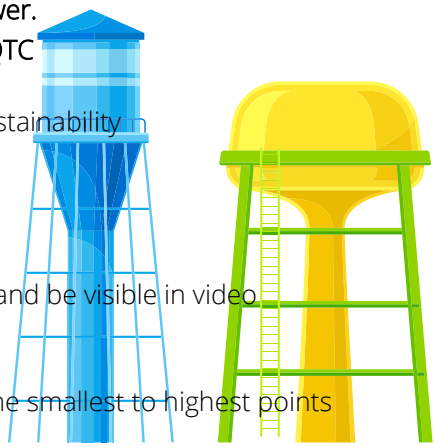
Water Tower Building Competition

Thank you for registering for the Water Tower Building Competition hosted by AWWA Water Equation and sponsored by M.E. Simpson,The Water Tower, Carollo Engineers and SUEZ.

Eligibility: Any student or young professional may participate in the competition. AWWA membership is not a qualifier for the event. Students are recognized as ages 17-23 and Young Professionals are ages 23-35.

Prize: The winning individual and team members in each category will receive a scholarship to **2022 AWWA Leader Training Day & YP Summit which will be held in Feb 2022 in Orlando, FL**

- Registrants must supply their own materials to build the water tower.
- Hybrid participation through video submission or in-person at WQTC
- Winning Categories of Functionality, Originality, Innovation and Sustainability for virtual and in-person participants.



  - **Functionality:**
    - Tank should hold water without leaking.
    - Water must flow from elevated tank through tubing into bowl and be visible in video.
    - Tank is elevated at least 1'.
    - Tower footprint is less than1'x1', including tank.
    - Points for volume of water stored will be ranked largest with the smallest to highest points
  - **Originality:**
    - Craftsmanship (is the model sturdy, do the parts fit together nicely)?
    - Imagination (is the design unique)?
    - Artistic merit (does the model have creative ideas, colors or themes)?
  - **Innovation:**
    - The use of innovative materials such as composite, coatings, and textiles
  - **Sustainability:**
    - Use of sustainable materials
    - Protecting the environment

- **In-person participants** will receive a free registration to attend the Water Quality Technology Conference on Nov 9-10 in Tacoma, Washington to create and present the water tower to judges based on the requirements above.
- **Virtual participants** will post final project presentation video on YouTube and submit videos by November 1, 2021 at 10 pm EST on the WE Build! 2021 Submission Form

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In-Person participants will create and present water towers at WQTC on November 9-10 in Tacoma,WA
Virtual participants will post final project presentation video on YouTube and submit videos along with description of water tower by November 1, 2021 at 11:30 pm MT on the **WE Build! 2021 Submission Form**

- Required in Model Water Tower Video:
  - Model Water Tower should be clearly visible
  - Video of water flowing from flexible tubing
  - Video to show leakage or lack thereof
  - Explanation of the inspiration behind the creative design
- Required Information for Submission:
  - Your name or Team name and names of team members with addresses, email addresses, and phone numbers for each person
  - Dimensions including height to bottom of tank, volume of tank, and footprint
  - List of items used
  - Written explanation of the inspiration behind the creative design
  - Information about particular award seeking in Functionality, Originality, Innovation and Sustainability

Objective Judging (Functionality)

1. Tank should hold water without leaking.
2. If a team member has to support the tower at any time during testing to keep it upright, it is considered unstable.
3. Water must flow from elevated tank through tubing into bowl and be visible in video.
4. Tank is elevated at least 1'.
5. Tower footprint is less than1'x1', including tank.
6. List of objects used in creation of water tower.
7. Larger volume of water stored within the constraints will be considered higher functionality.

Subjective Judging (Originality and Innovation)

1. Craftsmanship (is the model sturdy, do the parts fit together nicely) and imagination (is the design unique)?
2. Artistic merit (does the model have creative ideas, colors or themes)?
3. An Innovative design is a water tower using materials that are out of the usual and include textiles,coatings and composite materials.
4. Originality would include an old broom stick from your garage as a support structure, a watering can as a tank, or any other atypical items that you might find around the house used for your found item.
5. Sustainability will consider the environment as an element of the design and usage.
6. Each individual or team is given 5 minutes to discuss the tower in the video.
7. Each judge will assess the model and the team's presentation independently and assign a point value (1-5; 1 being the poorest score and 5 being the best) for each category.

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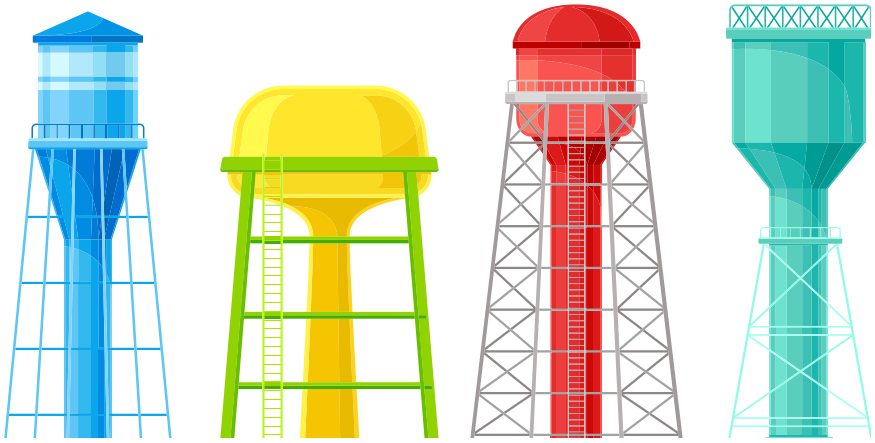
SCORING GUIDELINES		
SCORE	**FUNCTIONALITY**	**ORIGINALITY AND INNOVATION**
5	Model is sturdy. Pieces fit together firmly and precisely. Intricate pieces reflect excellent craftsmanship. Meets all functional guidelines and considerable volume stored.	The tower design reflects a unique story, theme, evokes a specific emotion, and/ or makes a statement. Demonstrates creativity and challenges conventional thinking.
4	Model is sturdy. Intricate pieces demonstrate good craftsmanship. Meets all functional guidelines.	The tower design reflects a unique story, theme, evokes a specific emotion, and/ or makes a statement. Demonstrates creativity.
3	Pieces fit together snugly. Model is sturdy. Model may not have intricate pieces that reflect exceptional craftsmanship. Meets all functional guidelines except one.	The tower design reflects a common story, theme, evokes a specific emotion, and/or makes a statement. Some creativity is displayed.
2	Model stands on its own. Pieces may not fit together precisely. Excess glue may be present or fasteners may stick out. Meets most functional guidelines.	An attempt is made to reflect a story, theme, evoke a specific emotion, and/or makes a statement in the tower design. Unimaginative, ordinary, conventional concept.
1	Model is structurally unstable. Does not meet most functional guidelines.	Unimaginative, ordinary, conventional concept. The tower design does not reflect a story, nor evokes emotion, nor makes a statement.

Judging: A panel of six judges from sponsors, YP Committee, and AWWA Water Equation Committee members who comprise expertise from utilities and service providers will receive your video and written submission for final judging. The winning videos in each category will be celebrated online and in person during the AWWA Water Quality Technology Conference.



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