



Resilient Community Challenge

REGENERATE, REPAIR, REIMAGINE

Resilient Community Challenge - Circular Economy Solution Competition

Date: SATURDAY, APRIL 20, 2024 Time: 9:30am-5:00pm CST Prizes, Certificates Awarded Lunch and Snacks Provided	Event Location: Deep Green Machine, Inc 400 North 2nd Street Fairfield, IA 52556 For more information contact: SEIowaSierraClub@gmail.com
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Seeking Participant Teams: (4) Teams with up to (5) participants in each group – High School through University

Event Schedule:

Time	Description	Responsible
9:30 – 9:45a	Welcome, Safety, Logistics, Event Ground Rules	Hosts
9:45 – 10:30a	<ul style="list-style-type: none"> Introduction, Importance and Examples of Circular Concepts: <i>*Sample*</i> contest prompts include - Create something functional that: Floats or Flies or is suitable for Creature Habitat or A Game or Used to complete a Household Task or A Toy or Questions and Answers Distribute “Waste Material” Kits 	Hosts
10:30 – 10:45a	Bio/Snack Break	Everyone
10:45 – 12:00p	Group Working Session #1	Participants
12:00 – 1:00p	Lunch	Everyone
1:00 – 2:15p	Group Working Session #2	Participants
2:15 – 2:30p	Bio/Snack Break	Everyone
2:30 – 3:30p	Group Presentations (15 Minutes per Group)	Participants
3:30 - 4:00p	Judging	Judges
4:00 – 4:30p	Awards Presentations at FFACC	Judges

Competition Overview:

The circular economy is a way to design, make and use things within the finite limits of planet Earth. In the natural world, materials and nutrients cycle continuously, allowing the Earth’s biosphere to regenerate and for all lifeforms - humans included - to flourish. This insight lies at the heart of the circular economy. Instead of using things for a short time before throwing them away, in a circular economy everything is designed to fit within a cycle so it can be used again and again.

The concept is based on these principles, driven by design, and underpinned by the concept of transitioning to renewable energy:

- Design-out waste and pollution from materials/products.
- Keep products and materials in use.
- Regenerate natural systems (in ecological terms, waste = food).
- Transform recycled items into a whole new product and/or solve a problem or need for a product made from repurposed/recycled items.

Participants will use a “100% Post Consumer Waste Material Kit” to design a ‘circular’ product or service where everything has value, and nothing is wasted.

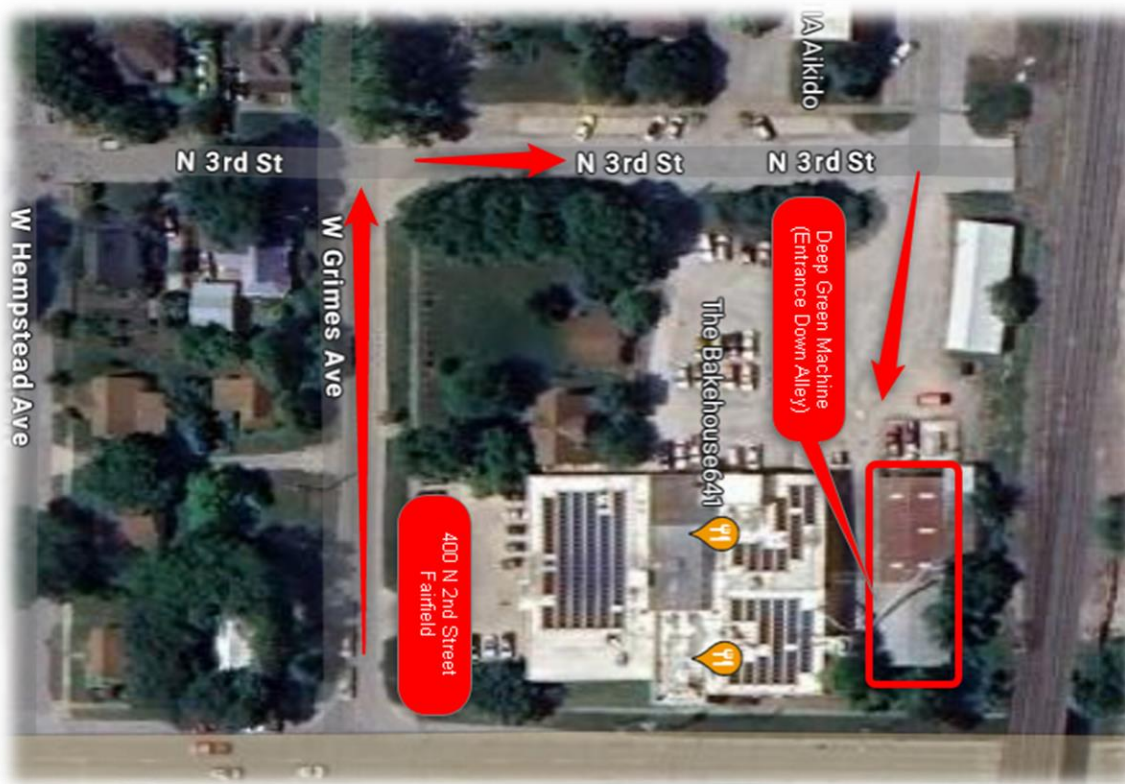
Participants may submit a tangible physical item for judging -OR- participants may submit an abstract theoretical idea/proposal based on their knowledge of community waste.

<p><u>Sample Waste Material Kit may include:</u></p> <ul style="list-style-type: none"> Wood Strips Cardboard/Paper/Packaging Materials Sheet Plastic Tin/Aluminum Cans Baling Wire Masking, Packing, Duct Tape ReStore Goodie Grab Bag 	<p><u>Tools Kit may include:</u></p> <ul style="list-style-type: none"> Paper and Pencil for Brainstorming and Sketching Ideas CA Glue/Adhesives Staples/Rivets/Screws/Nails/Fasteners Hand Tools: Staple Gun, Adhesive Tape, Scissors, Metal Hand Shears, Screwdriver, Screws, Glass Cutter, Utility Knife, Hammer, Screwdriver, Sandpaper, Tape Measure, Ruler.... <p>Note: Mentors will assist if power tools are needed. Example: Sawing or Drilling</p>
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Participants will present their completed ideas to a judging panel. **Judging Criteria:**

<p><u>Materials:</u></p> <ul style="list-style-type: none"> How much of the waste material kit was used? No leftovers earns bonus points! <p><u>Creativity:</u></p> <ul style="list-style-type: none"> Is the design idea: unique, inspiring, innovative? Did the design use the materials in a creative and novel way? 	<p><u>Transformation:</u></p> <ul style="list-style-type: none"> Has the waste been transformed from its original: Form, Fit and Function? <p><u>Practicality:</u></p> <ul style="list-style-type: none"> Does the new item serve a useful purpose or solve a problem in some way?
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Map to Event Location: From N. 2nd St., turn West on W. Grimes, North on N. 3rd St., enter from parking lot.



Event Co-Sponsors:

SE Iowa Sierra Club, Fairfield Co-Lab, Deep Green Machine, Centered Wealth, Sustainable Living Coalition, Ken & Sheila Ross, Maharishi International University, Everybody's Whole Foods, Hy-Vee, MIU Sustainable Living Program, Espy Family Foundation, Apex Energy, Bob Ferguson, Reed Law, The Sanctuary, Fairfield Public Library, Habitat ReStore, Green Building Supply