

HOW CIDERIES CAN UNDERSTAND AND ACT ON THEIR SUSTAINABILITY GOALS

There are a significant number of reasons why cideries are looking to become more sustainable. Agriculture health, ingredient accessibility, customer engagement, preserving the bottom line, and protecting the planet are all driving cideries to focus on sustainability.

First, we must understand our footprint so that we can prioritize our actions.

1. Calculate your carbon footprint:

- Visit <https://cnc.tradewater.us> to calculate your carbon footprint for free.
- Your location can impact your ability to access renewable energy, cost of living, and how empowered you are to make significant change.
- Calculate your carbon footprint by providing details related to your facilities. For some, these facilities may include the cideries, office buildings, and homes of your remote workforce.
- Provide details on employee commuting behavior and vehicles driven for business purposes.
- Lastly, input your business's annual expenditures in the various categories to estimate annual emissions related to acquisition of goods and contracting of services.

2. Knowledge is power:

- Now that you know your annual estimated emissions, you hold the power to address the areas where you are emitting the most greenhouse gases.
- Your facilities and utilities may be your biggest contributor, therefore, you may want to have a discussion with your landlord or facility manager on how to transition to more renewable resources. Connect with your local neighbors and community officials to understand ways to lower emissions and costs. A cidery can be operated with low energy expenditure and an even lower carbon footprint.
- If emissions coming from your transportation requirements are high, you may want to consider sourcing your ingredients locally. Are there plans to grow your own apples in the future or ways to have more ownership over your ingredients? Additionally, once cider apples are juiced, the wasted fruit fiber can be used for livestock feed or compost, which could be leveraged as a trade for local farmers.
- Consider encouraging and rewarding your employees and customers to opt for public transit when possible. Getting everyone from your customers to employees involved will set up the business for success, while also creating a place for community.
- Packaging can influence your footprint, as well as your costs. Cideries are opting for aluminum packaging since it can be recycled indefinitely, requires less protection during transport, and is much lighter to transport.
- Ask your vendors and partners what their sustainability goals are and how they plan on achieving them. Your entire supply chain impacts your footprint, therefore, open the conversation for learning and accountability.

HOW CIDERIES CAN UNDERSTAND AND ACT ON THEIR SUSTAINABILITY GOALS CONTINUED...

3. Support climate impact projects and engage your customers:

- Tradewater is the leading climate impact project developer tackling climate change. Tradewater focuses on the most potent greenhouse gases like refrigerants, halons, and methane, which if leaked into the atmosphere, significantly accelerate global warming.
- By offsetting your emissions with Tradewater and implementing emission reduction strategies, you are supporting international climate projects that can prevent catastrophic climate change. Learn more!
- Be transparent and proud of your climate journey. Businesses contributing to climate solutions are experiencing a unique value proposition, growth, customer engagement, and trust by aligning their organizations with environmental and social values. Pursuing progress, not perfection, is celebrated throughout the community.
- Get your customers involved! Consumers are looking for opportunities to actively engage with the brands they support. Whether they get an opportunity to “tip the planet” on their bill, get a discount if they traveled sustainably, or simply share their support of quality products that impact the planet, customers are loyal to brands that emulate their values.
- Celebrate your employees implementing the work that is driving long-lasting change. 88% of the majority workforce say their job is more fulfilling when employers provide opportunities to make a positive impact, so enjoy that recognition and employee retention.

The American Cider Association is working with you to strengthen the U.S. cider industry – together. Sustainable business practices support our mission to protect, strengthen, and grow the cider community in a way that is accessible and impactful.

Reach out to Jenny Morgan, Tradewater’s Market Development Manager, at jmorgan@tradewater.us and Michelle McGrath, American Cider Association’s CEO at michelle@ciderassociation.org, if there is anything we can do to support you.

Our business, our purpose, and our planet.

CALCULATE YOUR
FOOTPRINT FOR FREE!

If every US cidery committed to support non-CO2 climate projects today, we could permanently destroy over half a million tons of greenhouse gases emissions. That is equivalent to powering 723,000 homes for one year.

Let's make some real impact - together!





HIGH QUALITY | HIGH IMPACT

TRADEWATER'S CLIMATE IMPACT






Every scenario for achieving the 1.5-degree target requires an immediate reduction of non-CO2 gases. Once these gases are released into the atmosphere, they accelerate global warming and cannot be removed once leaked.

Our business model is based on a positive cycle in which we create economic value from the permanent destruction of potent and harmful greenhouse gases. We invest the proceeds into new projects to find, collect, and destroy more gases, including refrigerants, halons, and methane.



6,100,000 TONS
OF CO₂e DESTROYED

WHY OUR CREDITS ARE DIFFERENT

-  **Permanent:** Ozone depleted substances collected are destroyed - permanently. The oil wells are permanently plugged and no longer leak methane.
-  **Additional:** There is no end-of-life solution for these refrigerants. If we don't do the work, no one else will.
-  **Accurate:** The calculation of environmental benefit is clear, measured, and precise. Our credits are third party verified and issued by the leading carbon registries.
-  **Responsible:** Tradewater's projects have created economic benefits injecting over \$30 million dollars into local communities.
-  **Easy:** Fully transparent, available to provide support, and offer offsets in one payment or monthly subscriptions of any amount.



Refrigerants and halons are up to 10,900 times more potent than CO₂. There are over 10 billion metric tons of these gases in existence.



Methane accounts for 20% of GHG emissions. Millions of unplugged abandoned oil and gas wells are rapidly leaking methane around the world.



INTERESTED IN LEARNING MORE?

Email Jenny Morgan at jmorgan@tradewater.us or visit us online!

 Tradewater.us

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REFRIGERANT MANAGEMENT SOLUTIONS

MEET YOUR SUSTAINABILITY GOALS

Turn your old refrigerant into measurable carbon offset credits.

Refrigerants are commonplace, but they are also potent greenhouse gases that can be thousands of times more harmful than carbon dioxide. Normally, old refrigerants are recycled and reused until they ultimately leak into the atmosphere, contributing significantly to global warming. Organizations can take action by ensuring that their old refrigerants are responsibly destroyed at end of life.

Tradewater can help. We are an EPA-certified refrigerant reclaimer committed to destroying 100% of these gases, and we offer verified and audited emissions reduction credits that you can use in sustainability reporting and meeting organizational climate commitments.

THE PROCESS

1. We work with you to collect your old refrigerants and destroy them at a qualified facility that meets all environmental and regulatory requirements.
2. We quantify the total metric tons of carbon dioxide equivalent destroyed. We are the only company committed to destroying 100% of these gases.
3. A third party will verify our quantifications and review our processes. We have a track record of success and have completed over 60 verified projects.
4. We will pass the resulting credits back to you. The total climate benefit of avoided emissions can be included in sustainability reporting mechanisms.



Contact us today if you have any of these old gases to learn more about our pricing, or if you are interested in purchasing registered offset credits produced from CFC or halon destruction.

INTERESTED IN LEARNING MORE?

Email Jenny Morgan at jmorgan@tradewater.us or visit us online!

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