

2023 SUSTAINABILITY REPORT

# SUSTAINABILITY A JOURNEY TO A BETTER WORLD





# Message from Our CEO, Scott Chatlin

The world's biggest challenges will be solved by the business community taking a leadership role. TRT's Sustainability Program is built on three pillars: People, Planet and Performance. Each pillar supports the goals set out by the UN in their Sustainable Development Goals adopted by TRT in 2019. The time for action is every day.

This is not an effort we are taking on alone. We join our customers and suppliers on this path. Global business seeks to gain assurances that every part of the supply chain is committed to responsible business practices for a sustainable future. Actionable programs and transparent operations will demonstrate our commitment to the future and provide a competitive advantage within our industry.

The sustainability work we pursue grows organically under the three pillars. Our People are the first key, a value exemplified in various programs including mentoring for our new employees, skills development, and internship opportunities for students interested in our industry. Our employees can also participate in volunteer opportunities to become involved with the community and charitable outreach efforts that support the less fortunate all while maintaining an atmosphere of diversity, equity, and inclusion.

The creativeness and passion of our People will make us a better steward of this Planet. In 2017, TRT began working to understand and reduce our impact on climate change and began tracking our emissions with a commitment to implement source reduction projects with a goal of net zero by 2050.

The education gained from the Planet pillar work can provide keys to improving Performance. Projects we implement make us more efficient users of raw materials and energy and ultimately benefit all our stakeholders. The goals in the Performance pillar are straight forward: **be efficient, be effective, be thoughtful and always be safe**. Every system at TRT has hidden opportunities to help lessen our impact on our world. Our People can unlock that potential.

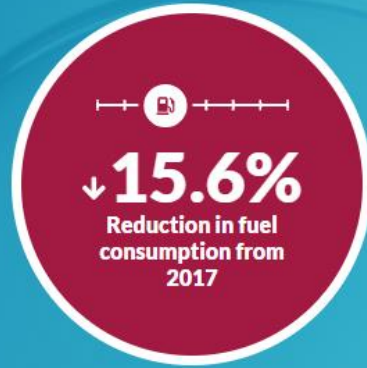
The fruits of our work are recognized by globally respected rating agencies such as Ecovadis, Sedex and the Carbon Disclosure Project. We certify under RSPO, FDA, Kosher, Halal and SQF to ensure our customers are always provided the highest quality products. We STRIVE for continuous improvement in our business and are committed to a responsibly sourced supply chain to deliver uncompromising customer satisfaction. Long term investment in sustainability will pay dividends for our people, our business, our customers, and the global community.

Sincerely,

**Scott Chatlin**

President & CEO Twin Rivers Technologies

## Sustainability Highlights



### Sustainable Development: People, Planet, Performance

Sustainable operations are the outcome of proper corporate social responsibility practices. They are derived from positive social, environmental, and economic beliefs that respect all the stakeholders throughout the supply chain. TRT understands that it is our responsibility to be a strong leader within our industry and community. The principles of People, Planet, and Performance have provided a framework to expand our Corporate Social Responsibility (CSR) practices in coordination with the United Nations' Sustainable Development Goals (UN SDGs). Following the UN's international agenda for sustainable development, TRT has looked at each CSR as a foundation to participate in programs that increase socio-economic benefits for vulnerable individuals. We have involvement in Quincy, MA and surrounding neighborhoods to protect and restore the environment, help those in need and improve upon a safe and efficient workplace. In the future, we plan to increase assistance to our local community while also expanding our CSR to an international platform. We want to create more opportunities across the world for people, reduce our carbon footprint on the planet, and increase our performance efficiency.

# Aligning TRT's Goals with the Global Community



Twin Rivers Technologies, (“TRT”), acknowledges that climate change is a real and detrimental threat to world stability and will mitigate the impacts of climate change with sustainable policies that address the UN Sustainable Development Goal, (“SDG”), of Climate Action.

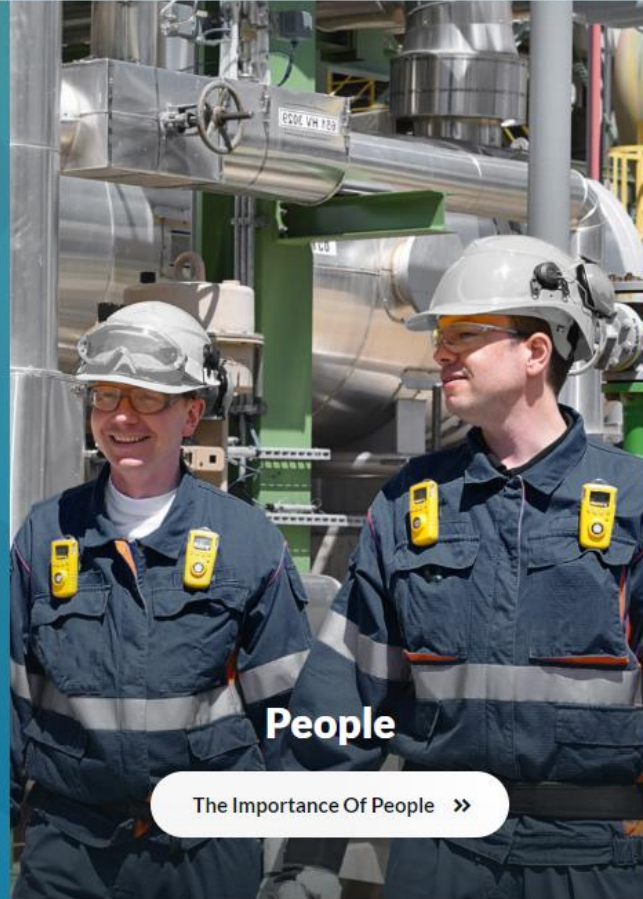
TRT supports this UN SDG with a multifaceted approach of actions. TRT supports the Paris Climate accord and is working to reduce greenhouse gas output. TRT installed a combined heat and power station to cleanly generate its own steam and internally provide for much of its electric demand. We also operate a steam generator that likewise provides electricity for the facility. Both of these systems reduce Scope 2 emissions and reduce demand on the electric grid. We are working on the Carbon Disclosure Project reporting process have conducted studies and assessments on numerous alternative energy systems including biofuels, wind and solar. For much of this century TRT utilized bio products as its primary source of fuel and now sell that fuel to biogas production facilities. Our RSPO certification and Supplier Code of Conduct insure responsible procurement of raw materials that have not led to the destruction of rainforests. To encourage the replanting of trees and the removal of CO2 from the atmosphere, TRT annually offers saplings to employees.

TRT will continue to address climate change through innovation, transparent reporting and work to reduce our carbon footprint all in support of the UN SDG Climate Action



## Sustainability Pillars

These foundational pillars serve to meet the current and future needs of our customers and stakeholders, with sustainability at the core of our business model.



### People

[The Importance Of People >>](#)



### Planet

[Keeping A Healthy Planet >>](#)



### Performance

[Meeting And Exceeding Goals >>](#)



**OUR  
PEOPLE**



# SOCIAL SUSTAINABILITY

TRT recognizes that people are the most important part of our business as customers and employees. We understand that our people play an essential role in sustainable operations and we rely on their high level of performance to be successful. The rights of employees, customers, and the entire community must be valued and protected by the industries that serve them. Every person employed by TRT is incorporated into a fair, safe, inclusive atmosphere that yields high performance outcomes. Corporate Social Responsibility (CSR) at TRT operates to promote social sustainability in the community by connecting with different organizations and programs that raise socioeconomic status for vulnerable individuals or groups.



## COMMUNITY SOCIAL DEVELOPMENT

Individuals, communities, and corporations should work in unison to achieve social goals, including the elimination of homelessness, food insecurity, diseases, discrimination on any basis, and the barriers to education. Corporate Social Responsibility (CSR) is a commitment to our employees and the communities they live and work in. Over the past three years, TRT has donated to CSR programs in Massachusetts that protect vulnerable individuals and families. This community assistance has been given to the Animal Rescue League, Cardinal Cushing Centers, D.A.R.E. program, Duxbury Senior Center, Father Bill's & Mainspring Shelter, Friends of Wollaston Beach, Jimmy Fund, New England Aquarium, Road to Responsibility, Rosie's Place, South Shore Leadership Scholarship, Quincy Public Schools, and Ward 2 Civic Association. Each year, our employees choose a new non-profit to support through donations of goods and/or monetary funds. In 2022, TRT continued to support this program in its budget.



# WOMEN IN STEM / INTERNSHIPS – CHANGING THE FACE OF STEM

In keeping with the program highlighted in the 2019 Sustainability Report, the Sustainability Committee has formalized an internship program focused on supporting women in STEM (Science, Technologies, Engineering, Math) studies that are either from local colleges / universities or are children of TRT employees that are currently enrolled in a qualified program. This effort is intended to support women as a function of UN SDGs and to assess talent and develop relationships with potential candidates for future employment.

Women in STEM at TRT is intended to not only provide women with opportunities to grow professionally, but also to broaden and deepen the potential pool of talented individuals that make up TRT's diverse fabric. The primary role of the intern(s) will be to assist in data collection and content creation for the Sustainability Program. The intern(s) will report to the STEM Intern Coordinator/Sustainability Committee Chair, who will be responsible for assigning and validating work completed by the intern.

TRT's STEM internship will focus on candidates that have completed at least one year in college to help them develop their professional credentials and skill sets. TRT will reach out to local universities to find a pool of candidates and will secure three candidates, one per semester annually (Sept – Dec; Jan – May; June – Aug).

Qualified programs that have been discussed include:

- 🔗 Chemical Engineering
- 🔗 Mechanical Engineering
- 🔗 Environmental Engineering
- 🔗 Supply Chain Management
- 🔗 Electrical Engineering
- 🔗 Manufacturing Engineering
- 🔗 Occupational Health and Safety
- 🔗 Chemistry
- 🔗 Business
- 🔗 Sustainability

We are excited to announce that our next STEM intern will onboard with TRT starting in May 2023

Twin Rivers supports the SDG



# EMPLOYEES

## DIVERSITY & INCLUSION

Twin Rivers Technologies' (TRT's) Diversity and Inclusion program, is a key part of our Sustainability program. Our goal and commitment is to have TRT be a company where all employees are supported professionally in order to succeed and where there are no obstacles based on race, ethnicity, nationality, sex, gender identity, sexual orientation, religion, or disability.

Diversity is the presence of differences that make each person unique and can be used to differentiate groups of people from one another. In addition to race, gender, sexual preference, age, and socio-demographics, it also includes work experience, thinking style, and personality type. Inclusion is defined as the full engagement and development of all stakeholders (employees, customers, suppliers, communities and shareholders) associated with an organization. Inclusion enables individuals and groups to feel safe, respected, engaged, motivated and valued, for who they are and for their contributions toward organizational and societal goals. Inclusion only happens when the diversity of an organization is fully leveraged.

The goal of diversity and inclusion is to maximize the ability to identify and meet the most pressing needs our customers and communities face today. Making cultural change is challenging, but embracing diversity and inclusion will help pave the way for a bright and sustainable future by attracting and retaining the best and most talented people possible.

Twin Rivers supports the SDG



TRT's vision is to be the preferred partner for Naturally Based Specialty Chemicals by consistently manufacturing and delivering high quality products through a sustainable and diversified supply chain. Our mission to deliver superior value to our stakeholders is partly achieved by fostering an engaged culture that empowers our employees to achieve goals and provide an exceptional customer experience.

As we continue to apply diversity and inclusion, TRT is committed to:

- 🔄 Form a diversity and inclusion (D&I) council
- 🔄 Train, educate and empower employees
- 🔄 Recruit and retain a diverse workforce
- 🔄 Work towards the greatest possible inclusion to fully understand and develop new ideas, viewpoints, and experiences
- 🔄 Achieve cultural growth in our business and within our communities

## HEALTH & SAFETY

TRT's safety program is essential to our ongoing success. We recognize that the success of our operations is dependent on a healthy, high functioning workforce. The central focus of our organization is to ensure we maintain a safe workplace. To achieve this, we have a safety culture that includes multiple safety committees, continuous training, auditing and reporting, and a preventative maintenance program. Additionally, we share a monthly Wellness Bulletin and encourage our employees to take advantage of our onsite fitness center. All of these programs aim encourage good health and well-being, for individuals and for our company as a whole.

The challenge over the past year came directly to us as the global pandemic spread and our new lives under the COVID-19 response were created. The virus spread led to implementing TRT's Pandemic Emergency Response Plan and spawned many changes from its original design as our new reality formed. This included new provisions for social distancing; PPE requirements; personal sanitation; area sanitation; emergency disinfection; remote work practices; employee and visitor screening and more ... so much more. In the end, TRT persevered by creating a safe workplace and continuing full operations without interruption.

# TRAINING

We advocate for long-term success by investing in our employees. We provide various training methods and education opportunities to help employees specialize in new skills or maintain ones that have already been earned. All new hires go through an orientation training where they learn their roles and responsibilities as well as spend time in other departments to allow them to fully understand the business. Once orientation is completed, new hires are mentored in the system or skill that they will enter into at TRT.

We offer a variety of different programming for employees that is encompassed in a number of categories including:

- 🔗 Operational Mentoring
- 🔗 Classroom Training
- 🔗 One-Point Lessons
- 🔗 Electronic Training
- 🔗 Contractor Safety Training
- 🔗 Offsite Certification/ Professional Development



All new hires go through in depth orientation training where they learn the basics of all roles and responsibilities within the facility as well as the expectations around safe practices. This allows each new employee to spend time in other departments; allow them to fully understand the business and begin developing working relationships with our team. Once orientation is completed, new hires begin mentoring under a sponsor in their respective system or skill before qualifying to enter the TRT production process.

Our training programs support and maintain safe operations, raise expertise and include: certification training for OSHA, Hazmat Response, First Aid-CPR-AED, Spill Response, Incident Command Training, Confined Space Entry & Rescue, Hot Work, Line Break - Lock Out / Tag Out, etc. Our managers deliver One Point L these topics and more on an ongoing basis to reinforce their importance and procedures.

## HEATH & WELLNESS

While life got back to mostly normal in 2022, TRT has implemented several long term changes to continue to protect the health and wellness of our employees, contractors, customers and vendors. Non-essential personnel can work remotely one day a week as business allows and many meetings are still held virtually to allow for social distancing. We continue to employ a team to maintain safe, separate and clean workspaces for employees working in the plant. These efforts allowed us to maintain social distancing through occupancy limits, while giving the management team the ability to support those employees who were required be on site to do their jobs.

2022 afforded us the opportunity to host an in-person Wellness Fair. The fair was held outside of our on-site fitness center and had vendor set up for Fidelity, Delta Dental, hpi, CPI-HR, RX&Go, TRT'S Committees ( Charitable, Rewards& Recognition & Wellness). This was a great opportunity for employees to have questions answered and learn more about the benefits offered by Twin Rivers Technologies. Wellness Workdays offered free Biometric Screenings for Employees. Screenings were completed by a qualified health professional and determined the individual's total cholesterol, HDL cholesterol, blood glucose, blood pressure, body composition, Body Mass Index (BMI) and A1c.

Screenings were confidential and free of charge to employees. A Healthy Balance was onsite and in the fitness center, for guidance on the equipment we have and will be setting up appointments for individual fit tests, and more. All employees who attended were entered into a drawing to win a smartwatch.

As with the rest of the world, TRT continues to review our current practices in an effort to ensure that our employees are safe, and the needs of our customers and shareholders are met.

# OUR CUSTOMERS

Customer satisfaction continues to be a top priority for us. Our commitment to sustainability is consistent with the sustainability commitments of our customers. We, along with many of our customers, have embraced the concept of environmental and social performance and will continue to drive this platform throughout our industry, from suppliers to finished goods.

Many of our customers are large global companies that have embraced the concept of environmental and social performance, and expect their suppliers to do the same. This reinforces the business value of our programs and involves all levels of the organization in the commitment to achieve our goals.

In 2018, to ensure that we remained competitive in the marketplace and are able to service our customers, we became REACH certified. REACH is a regulation of the European Union, adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals. It also promotes alternative methods for the hazard assessment of substances in order to reduce the number of tests on animals.



## OUR CUSTOMERS

Our refined glycerin has been Safe Quality Food (SQF) Level 2 certified since 2015. We are recognized by the SQF Institute, a division of the Food Marketing Institute (FMI), as a HACCP Based Food Safety Plan Supplier. In 2019, we worked to achieve SQF Certification for our Kosher and Halal Fatty Acids. This certification reflects the goal of our food safety management system to improve business processes, increase efficiencies and reduce risk. To receive this level of certification we must:

- ❖ Meet a number of strict SQF safety and sanitation requirements
- ❖ Develop and maintain a high level of sustainable Good Manufacturing Practice (GMPs)
- ❖ Develop a food safety risk analysis while providing continuous SQF training for all its employees
- ❖ Develop and follow a Hazard Analysis Critical Control Points (HAACP) program to ensure food safety

SQF certification is recognized worldwide, informing customers that they are doing business with a company who adheres to the strictest food safety and sanitation standards. It gives consumers a sense of confidence knowing they are buying products from a company who is recognized for producing safe food products. This certification gives external validation to the internal safety commitment to which we have always adhered.

Being SQF certified builds confidence between TRT and our partners. Having a recognized single-audit system in place eliminates the need for duplicate, costly audits from other sources. The SQF program has been implemented by more than 5,000 companies operating in Asia-Pacific, the Middle East, Europe, South America and in the United States. In addition, SQF Certification meets the safety standard of the Global Food Safety Initiative (GFSI).



## OUR CUSTOMERS

Furthermore, to receiving this certification, we expanded our product line offerings to include coconut only products. These products are certified as being Palm Free, which is becoming an increasingly requested option during this widely controversial time. Many companies are choosing to eliminate non-sustainable palm oil due to the effects harvesting has had on the workers in the palm oil industry and the deforestation in the rainforests of southeast Asia. Because of this and the ever-evolving natural specialty chemical industry, TRT is also a RSPO registered site and offers Mass Balance product options.

Sedex is a not for profit membership organization which is dedicated to driving improvements in ethical and responsible business practices in global supply chains. In 2019 Twin Rivers completed a Sedex Members Ethical Trade Audit or SMETA. The SMETA is intended to provide transparency for Sedex's four governance pillars of Labor, Health and Safety, Environment and Business Ethics. TRT passed the SMETA with no findings or corrective actions and the outstanding comment in the SMETA about TRT was ...“Excellent environmental standards are maintained. A full and comprehensive sustainability program is in place”. The results of the SMETA are available to TRT's customers.



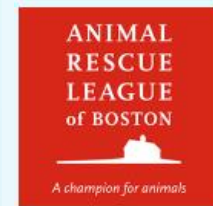
## OUR COMMUNITIES

### CHARITABLE DONATIONS:

TRT is an active participant in the local and regional community. Our Charitable Donations committee works to ensure that we are able to give to local charities that are important to our employees.

In November of 2022, our employees participated in a food drive for local food pantries, donating over a dozen boxes filled with non-perishable goods. Partnering with our local fire department in December 2022, we donated over 100 toys to Toys for Tots. Additionally, as part of a fundraiser, our employees raised \$400 for the Animal Rescue League. With a matching donation from TRT, we were able to make an \$800 donation!

With the rising cost of food and living expenses, we are planning several more food drives throughout 2023 as well as getting back into the community. We are currently working on a project to donate and build raised garden beds at a residential home for individuals with developmental, emotional and behavioral challenges.





# OUR PLANET

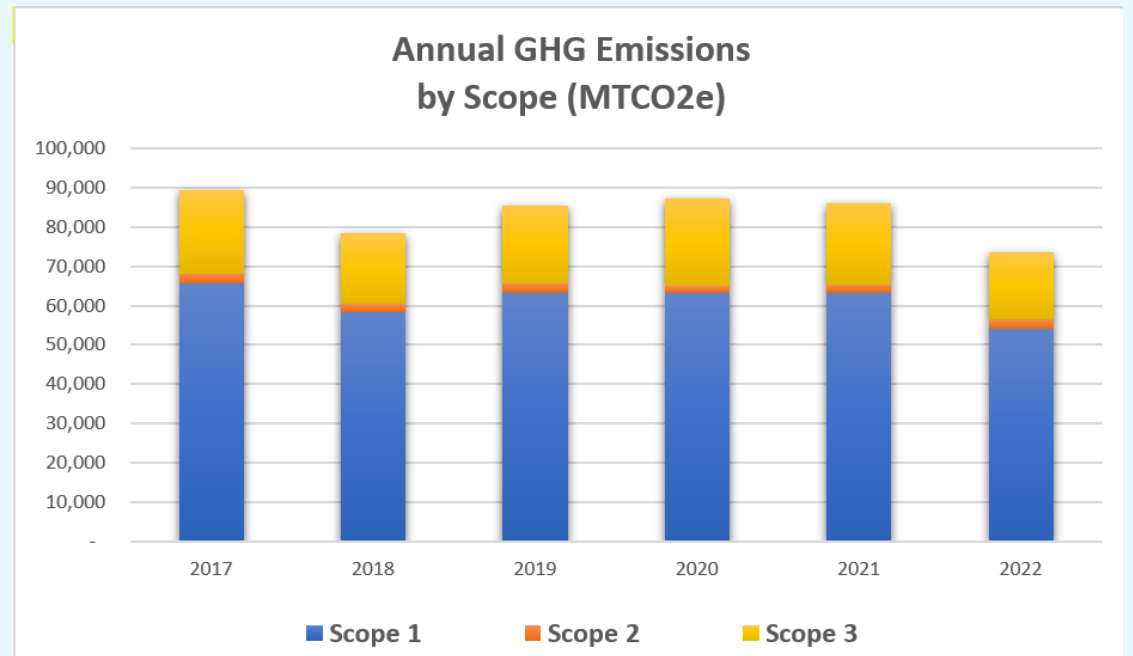
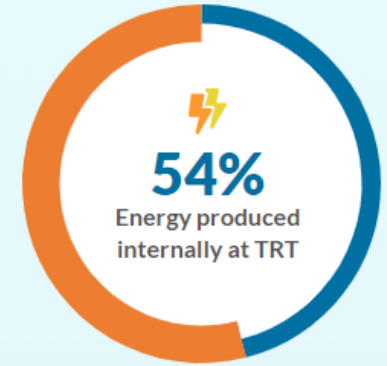
## ENVIRONMENTAL SUSTAINABILITY

Twin Rivers Technologies recognizes the inherent value of ecosystems and our reliance on them. Our organization relies on our deep-water marine terminal and the surrounding waterways for our continued operations. Sustainable production starts with our raw material arriving at port to feed our systems. This requires us to be very closely integrated with the surrounding waterways.

To protect ecosystems like the Fore and Town Rivers, our Quincy, MA facility is designed to prevent releases and minimize the impact of our operations on the environment. We have installed a comprehensive emergency response procedure and contingency plans to address potential issues that may threaten our community or the environment.

We pursue proper waste disposal, reduction of waste and emissions, upcycling when possible and the developing renewable resources to support our business. From 2002 to 2012, our primary fuel at the facility was what others would consider waste; but we eliminated sulfur dioxide emission and reduced nitrogen oxide and GHG emissions. After converting to natural gas, TRT entered into a contract that sent the same material and other similar byproducts into a system that creates bioenergy and offsets petrochemical use. In 2020, TRT continued our recycling program to reduce waste that would otherwise be landfilled. This effort includes the creation of recycling centers in all office and production areas, the deployment of new recycling containers each of these areas and the removal of general trashcans at desks and workstations to promote recycling.

We are committed to finding opportunities to build a more sustainable operation and work harmoniously within the communities that we are a part of.

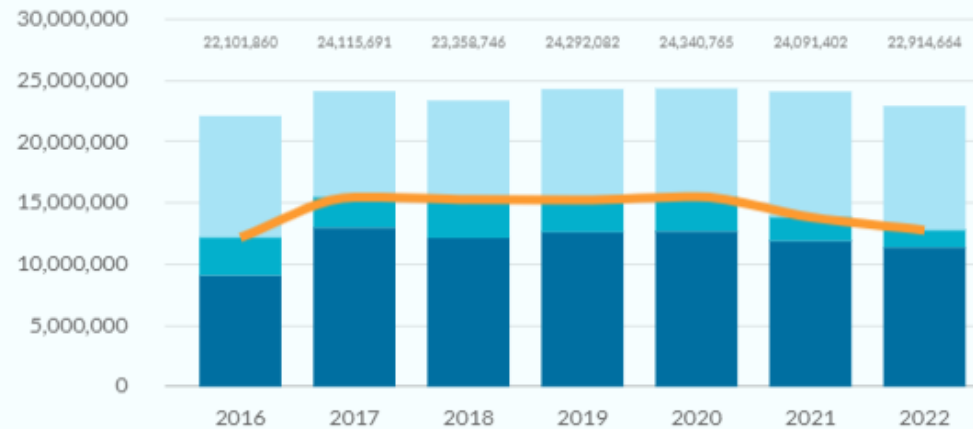


# REDUCE: ENERGY CONSUMPTION & EMISSIONS

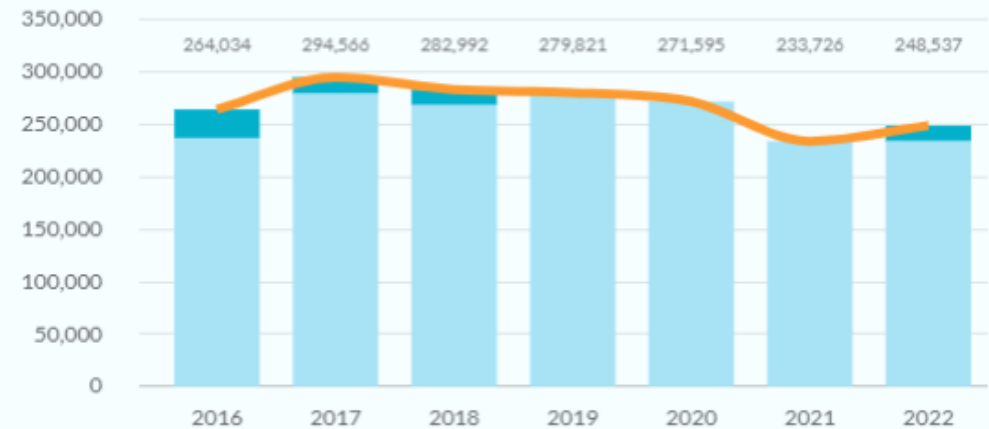
TRT has had a steady electrical load since 2012. Prior to 2012, we executed a number of energy conservation projects to reach our current demand. These included relighting, pump and equipment modifications. The most impactful energy and conservation efforts have been the installation of the Combined Heat and Power (CHP) System, which has allowed TRT to generate much of our electrical load, and the Regenerative Thermal Oxidizer (RTO) system that reduced our annual water demand. Both projects also reduced emissions.



## ELECTRICITY CONSUMPTION (kWh)



## FUEL CONSUMPTION\* (MWh)



\*Since 2012 when we installed a natural gas feed system and TRT has since utilized natural gas as its primary fuel. We have the ability to also use #6 Oil, #2Oil and biofuels that we produce on site as a means to produce steam and electricity. The change to natural gas has had multiple positive effects. We now operate at a lower cost, more reliably and have lower overall emissions.

## EMISSIONS

TRT has long strived for opportunities to improve the way we operate and to be more efficient and cleaner, especially with respect to fuels.

Today we are taking a hard look at our facility and ways we can reduce GHG emissions going forward. Beyond our regulatory reporting we now report under the Carbon Disclosure Project, (CDP), allowing for transparency. We are also currently working to carbon footprint each of our products so the downstream customers can accurately quantify their emissions. We are setting targets under the Science Based Target initiative, (SBTi), and the ACI 1.5C Climate Challenge. These initiatives will help us define our goals for 2030 to 2050 for GHG emissions reduction.

## VEGETABLE OIL GROWTH PROJECT... AN EMISSIONS STORY

TRT began the Vegetable Oil Growth Project in 2019 with the goal of developing new and growing existing products with sustainable vegetable oil feedstock alternatives. In 2022, TRT succeeded in replacing all of our tallow feedstock with vegetable oil alternatives. This is both economically and environmentally important to TRT. TRT is vertically integrated with our suppliers in Southeast Asia and can take advantage of our deep-water port to bring vegetable oils to our facility at lower cost. Beyond the economic impact, this conversion has two environmental affects: first it reduces the amount of truck and rail traffic that delivers tallow for processing and replaces that mode of transportation with vessel tanker deliveries which have far less GHG impact. However, the greater savings on GHG emissions is how that tallow will be utilized when not coming to TRT. Tallow is not only a raw material for our industry but is also used as a biofuel alternative to petro fuels in other industries. By replacing tallow with vegetable oil, the tallow will likely be used as a fuel. TRT has direct experience with tallow as a fuel as it was our primary fuel from 2002 to 2014. Compared to petro fuels, tallow burns much cleaner, it contains no sulfur and therefore does not release sulfur dioxide. Additionally, tallow burns more completely than most petro fuels because of oxygen entrained in its chemical makeup, allowing for more complete combustion and 30% less nitrogen oxide development. And when combusted, tallow releases just over half the amount of CO2 into the atmosphere. Between 2019 and 2020, the project potentially reduced CO2 loadings by 13,000 tons and upon completion, will provide a reduction in emissions of over 400,000 MT every year! At TRT, we continue to look for new ways, both direct and indirect, to reduce our carbon footprint and will continue to help meet the goals of the Paris Climate Accord and UN Sustainable Development Goals.



## MONITORING

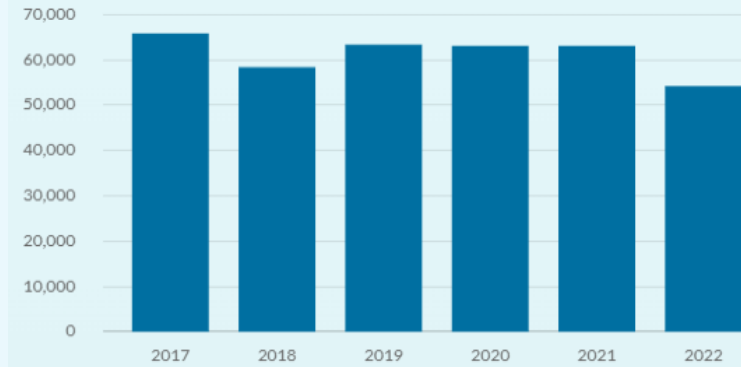
TRT closely monitors emissions, that we are directly responsible for ( Scope 1), those that are the result of purchased electricity (Scope 2) and those from our supply chain and transportation (Scope 3).

TRT believes that by monitoring these emissions individually we can better focus on reducing them in kind. Our performance since adopting the goals of the Paris Climate Accord can be seen in the emissions tables below. In our efforts to reduce emissions, we have taken steps of change. Since converting to natural gas as our primary fuel, the NOB fuel became a saleable fuel to offset other uses of petroleum. The gas conversion led to better scope one and two emissions as our CHP system creates over half of our electric demand.

TRT is one of the few, if not the only oleochemical facility in North America with transparency on Scope 3 emissions. Converting to an all-vegetable oil base will reduce Scope 3 emissions by replacing tanker truck and rail supply chains with a marine vessel supply chain that moves bulk oil much more efficiently.

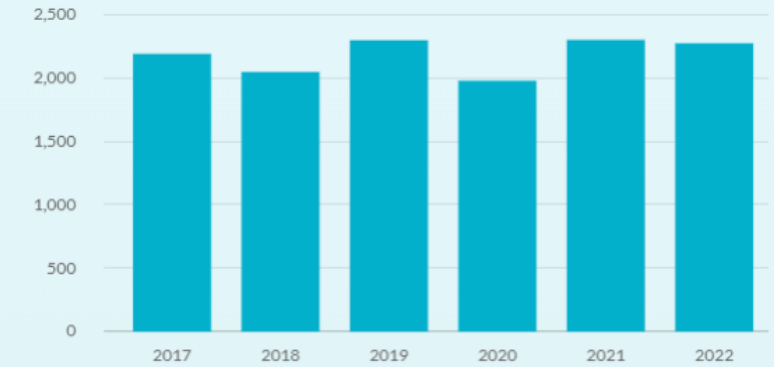
### DIRECT EMISSIONS

Scope 1 - Onsite Emissions



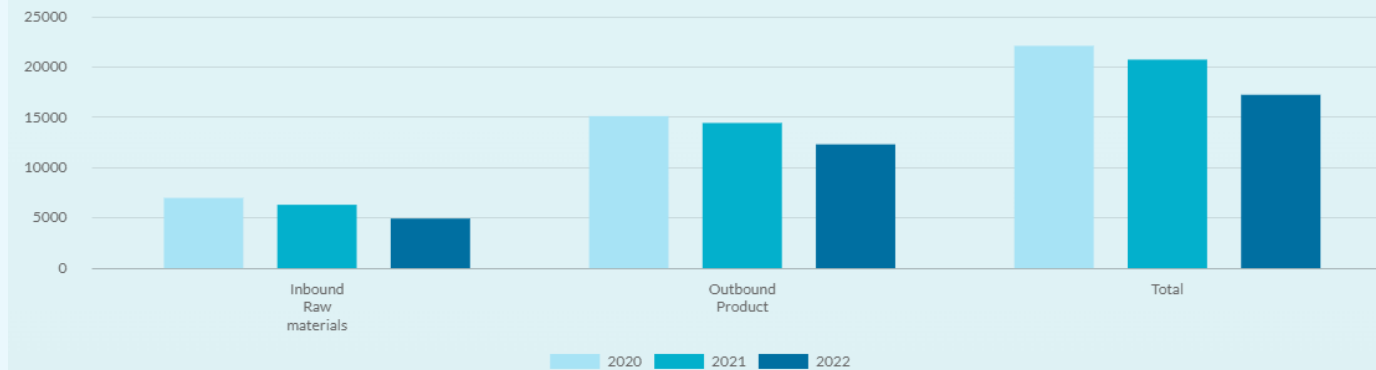
### INDIRECT EMISSIONS

Scope 2 - Purchased Electricity Emissions



### SUPPLY CHAIN EMISSIONS

Scope 3 - Supply Chain & Transportation Emissions



All results expressed in MTCO<sub>2e</sub>

Scope 1: Direct GHG emissions from sources owned by Twin Rivers (i.e. natural gas, vehicle fuels and refrigerants). Due to the biogenic differences between fossil fuels and biomass, the Scope 1 data is net of biogenic emissions.

Scope 2: Energy indirect GHG emissions (i.e. purchased electricity, heating and cooling)



# CARBON EMISSIONS REPORTING

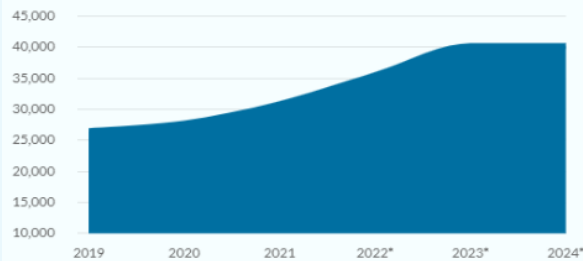
TRT recognizes the threat that the entire world community faces with climate change. To increase our transparency TRT joined the Carbon Disclosure Project in 2020 and in 2021 began reporting into the forum. Our efforts show improvement year over year as our initial assessment now compares favorably with other industries in our sector.

By establishing science-based targets we hope to continue that trend and lay the groundwork for projects that will make material progress. TRT has worked to hold our emissions in check to prevent any rise in global temperature over 1.5C between now and 2030 and beyond. However, the proof is in the data. The environmental impact we have on the planet is reported to the regulatory agencies on a continuous basis and shared with the public in our annual Sustainability Report. The CDP Project is another opportunity to become an active part in reducing the impact of climate change that affects us all.

TRT has a stated goal of limiting our carbon footprint so to support the 1.5C Climate Challenge over the next 10 years. We began this initiative in 2017 EBY (Emission Baseline Year) and have reduced our carbon footprint by 5%. Initiatives that limit carbon emissions will help to achieve this goal.



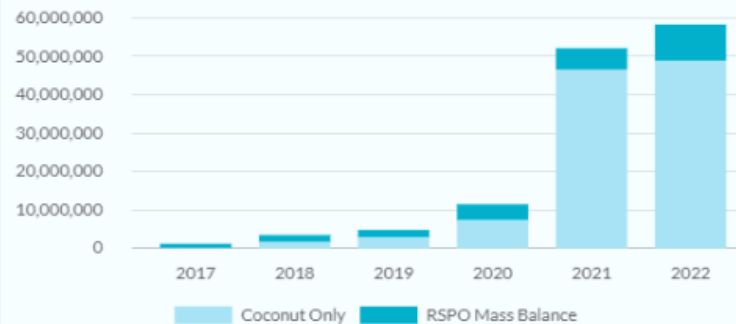
**SCOPE 3 EMISSION AVOIDANCE  
SUSTAINABLE VEGETABLE PRODUCT GROWTH**



Every year that TRT increases the use of vegetable oil as a raw material, we believe we offset the emissions equivalent of the same volume of #2 Oil, since alternate raw materials are commonly used for fuel. This leads to significant and ongoing reductions in Green House Gases, as seen here, but also in other harmful emissions as well.

\*projected numbers

**SCOPE 3 EMISSION AVOIDANCE  
SUSTAINABLE VEGETABLE PRODUCT GROWTH**





## ACHIEVEMENTS

### SEDEX SMETA AUDIT

TRT received a 100% score on our most recent audit.

### SBTI AND ACI 1.5C CLIMATE CHALLENGE

Four years ago, TRT came out in support of the Paris Climate Accord and has since began reporting under the CDP and has joined both the SBTi and American Cleaning Institute's (ACI) 1.5C Climate Challenge. We understand action may look different for different companies, but the challenge remains the same. In alignment with the SBTi and ACI signatories, TRT is examining our emissions to develop a corporate climate strategy and targets with the 1.5°C ambition, which strives to reach net-zero global emissions by 2050. We are targeting by 2023, to have set science-based GHG reduction targets. TRT began reporting its Scope 1, 2 and 3 emissions in 2017.

As part of the SBTi and 1.5C Challenge we are looking at potential projects and technologies that will help us progress targeted emissions that will lead to meaningful reductions. Since 2017, TRT has reduced our overall emissions by 5% (based on a per pound basis). The challenge will be to continue to make reductions that will ultimately lead to net zero by 2050.

## REUSE: SOURCE & WASTE REDUCTION - TARGETING ZERO

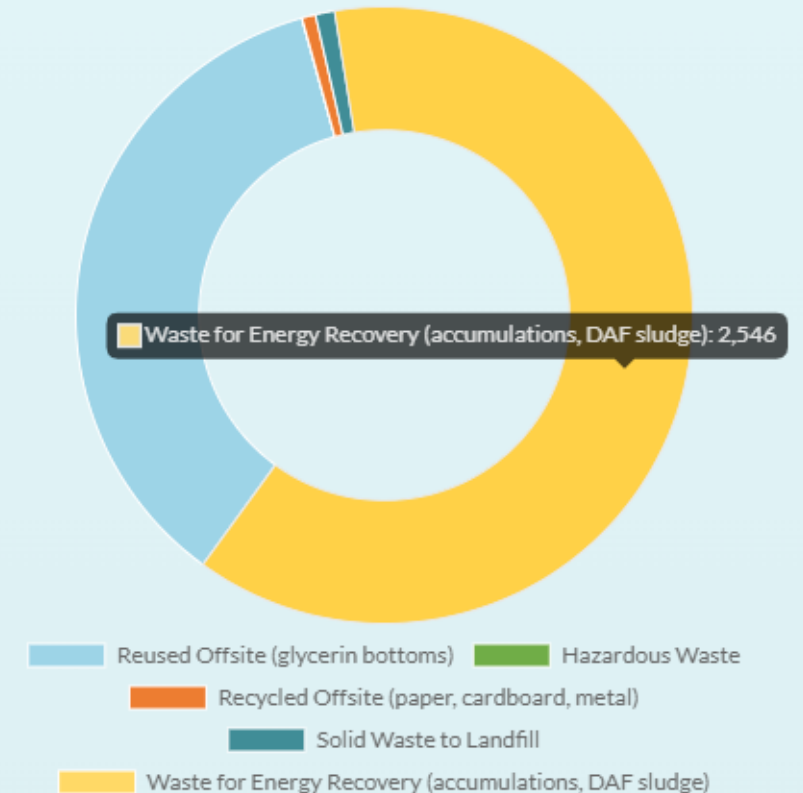
TRT has set a goal of outperforming the Paris Climate Accord and SDG goals for emissions and is targeting zero growth of emissions and waste streams over the next ten years (2017 baseline). The goals of nearly all efforts globally are to get to net zero by 2050. That might seem like a long time from now, but when you consider we need to change the way we do just about everything, thirty years will be challenging. We believe this will be possible through the development of new technologies, renewable energy sources, waste minimization and conservation.

One of TRT's most important natural resources is water. We use water as a catalyst in our hydrolyzation processes. That process allows TRT to "split" fats and oils into fatty acids and glycerin. All our products are hydrolyzed before going on to further refinement. Water is the key to success, but in the Northeast that comes at a cost. To promote water conservation and to reduce load on the municipal supply, TRT has piloted and is ready to recover the water used in process and create a closed loop treatment system. Numerous internal studies have been completed and three pilot projects have taught us much about how to execute a venture of this nature. The next step will be a significant one that will provide another sustainability opportunity for the facility that will reduce our dependence on the public water supply, provide huge economic benefit and open the discussion for storm water farming as a make-up water supply.



## WASTE AND RECYCLING

(REPORTED IN SHORT TONS)



The image shows a large industrial refinery or chemical plant. Several tall, cylindrical distillation columns are visible, connected by a complex network of pipes and walkways. The sky is a clear, bright blue. The text "OUR PERFORMANCE" is overlaid in white, bold, sans-serif font in the center of the image.

**OUR  
PERFORMANCE**

## RESPONSIBLE SOURCING

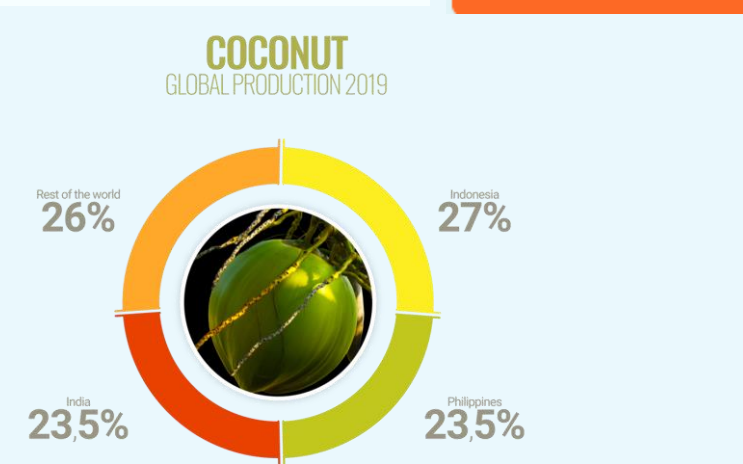
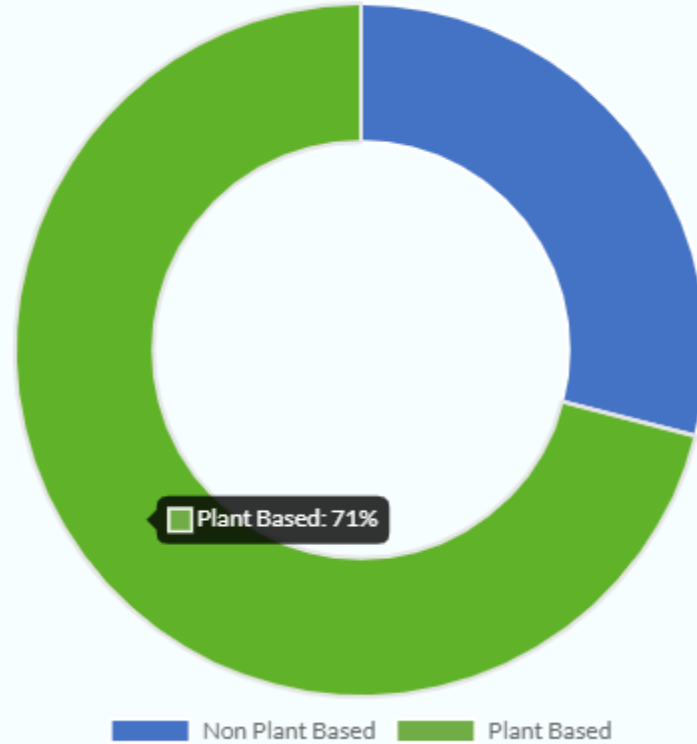
TRT manufactures a variety of fatty acid and glycerin-based products using many different raw materials. Historically these have included both vegetable and animal fats. As we transition to a vegetable platform, our raw materials include coconut oil, palm oil, palm kernel oil, and soybean oil.

TRT's responsibility is to provide the products that our customers request, while recognizing that each of the materials we require for manufacturing present unique environmental challenges. We are committed to upholding responsible sourcing practices to reduce the environmental and social impacts associated with our products. TRT holds certifications under the Roundtable for Sustainable Palm Oil (RSPO) and has instituted a Supplier Code of Conduct that requires our supply chain members meet or exceed the responsible sourcing requirements of the RSPO.

Beyond those certifications, TRT is actively working to bring sustainably sourced products to our customers. We currently offer ten different Responsibly Sourced Palm Mass Balanced products and eleven products that are certified as "Coconut Only" products. Since this initiative began in 2017, the total volume of both product lines exceeds 12 million lbs per year and is expected to grow.

In 2021, TRT instituted a Supplier Code of Conduct to communicate our expectations of the companies in our supply chain as it relates to ESG concerns. We also began a Supplier ESG auditing / survey program to quantify supplier performance to that end.

## RAW MATERIALS



## SUPPLY CHAIN AUDIT PROGRAM

TRT's supply chain includes international partners from North America to Southeast Asia to the European Union and beyond. COVID highlighted the stresses all supply chains faced globally. Our raw materials travel from the fields of Asia and the Pacific Islands over the Pacific and Atlantic Oceans then over land and sea to our customers. TRT strives work only with suppliers that our customers can trust work in a responsible manner.

In 2022 TRT expanded our efforts to understand specific environmental, health, safety, social and economic standards that are being maintained at all times. We did this by encouraging all of our supplier to join the Ecovadis network so we can monitor their performance after being assessed by the most trusted rating agency in the world. Beyond Ecovadis, we searched other platforms in 2022 such as the Sedex / SMETA and CDP systems to gauge their level of activity and commitment to ESG issues. These efforts will continue and become more pointed as we move forward.

## ECONOMIC SUSTAINABILITY

Economic performance for TRT relies on a safe, inclusive workplace that incorporates Decent Work, Innovation, Reducing Inequalities, and Responsible Production. Our employee benefits package includes fitness/health services reimbursement, training, education, health, personal time off, etc. We enforce numerous anti- discriminatory policies to prevent any workplace discrimination or harassment and emphasize our standards in the Employee Code of Conduct and Supplier Code of Conduct. Industrial responsibility is relayed in the Regulatory Compliance Policy, Sustainability Policy, and participation in the Carbon Disclosure Project and RSPO Certification.

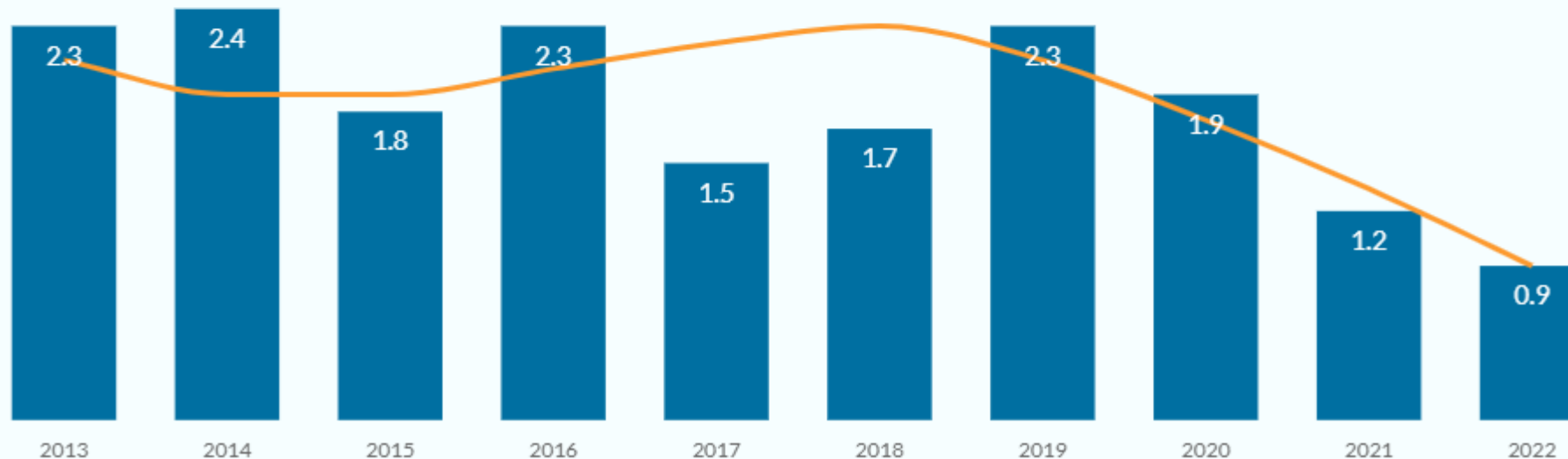


# NON-CONFORMANCE REPORTING

We maintain a rigorous Non-Conformance Report (NCR) process that is conducted when there is a non-fulfillment or failure to meet a customer requirement. The process includes the identification of the following:

- 🔍 **Short Term Corrective Actions:** (Considering all immediate actions to prevent recurrence of an existing nonconformity)
- 🔍 **True Root Cause:** (Conditions or actions that caused the problem/defect/non-conformity)
- 🔍 **Long Term Corrective Actions:** (Long-term solution plan based on root cause analysis) approach is to create effective corrective / preventive actions that minimize or eliminate recurrence of nonconformities.

## % NCR / TOTAL SHIPMENTS YEAR - ON - YEAR



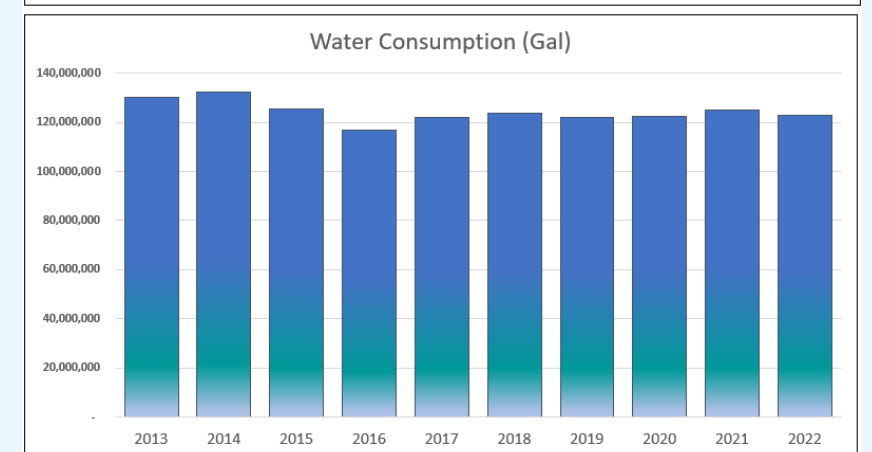
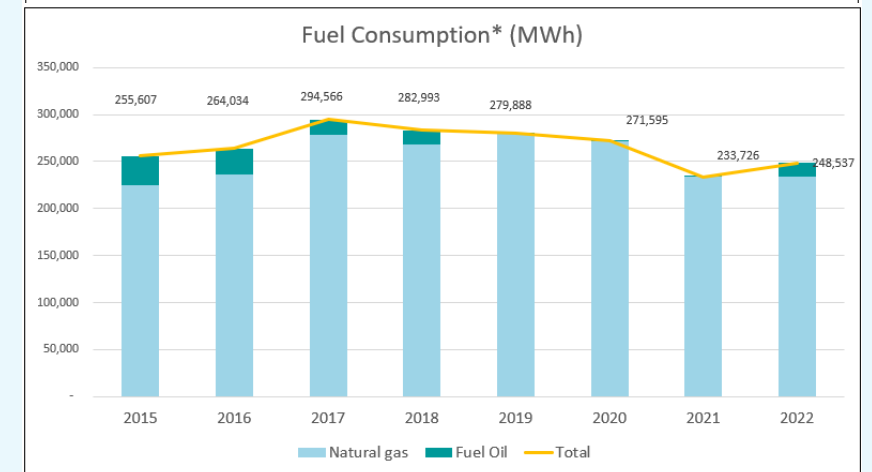
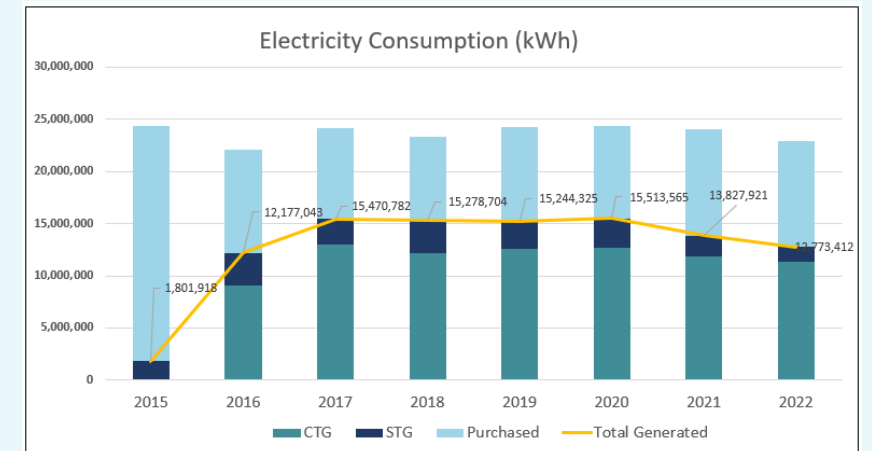
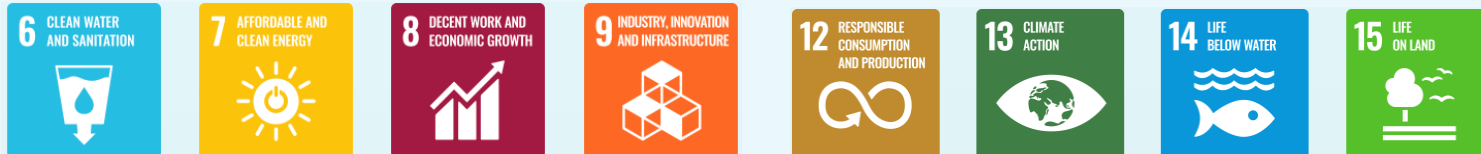
## PRODUCTION EFFICIENCY

TRT is in the process of setting goals to reduce GHG emission further and continue to reduce our by-product generation and by doing so, our raw material demand. This improves the life cycle of every product we produce and lessens the demand we have on the supply chain.

As we map our facility to execute the carbon foot printing project, we hope to find new insights into how our processes perform and where improvements could be made. We have discovered innovative opportunities to reduce the impact from our processes on the environment through our efforts to move away from tallow raw materials that come from the beef industry and into vegetable products. This moves us into a renewable raw material supply chain that has little impact on the environment. It also distances us from raw materials associated with high methane production and a heavy demand for fuel in the form of feed. It also enables that tallow raw material to enter the marketplace as a fuel which burns much cleaner than petrochemicals.

Efforts like this add to programs that create animal feed from some of our by-products, transforming by-products into a marketable commodity, while reducing our environmental footprint and installing alternative energy systems; and overall improving efficiency of our processes. We see this in the reduction of GHG emissions since 2017 (our baseline year for monitoring of Scope 1,2 and 3 emissions) in tons of emissions per pound of product produced.

TRT strives to deliver the highest quality product to our customers while maintaining sustainable operations. TRT is proud to deliver projects like this that support the UN Sustainable Development Goals of Industry, Innovation and Infrastructure and Responsible Consumption and Production.



## LOOKING AHEAD

• **We don't just say we're going to do something we do it! Our Sustainability Goals for 2022 and 2023 are getting accomplished and moving forward:**

- Explore alternative fuel / energy and storage solutions for dependable and clean power supply – in progress
- Install an electric vehicle charging station – in progress
- Development of an integrated ESG system that will tie existing standalone system into on cross-functional platform. This will help to standardize what we do, prevent continuous rework of systems and set the stage for better ESG management. – in progress

... and more is on the way:

- Development of a new hydrogen generation station to provide a sustainable source of hydrogen to our process to reduce Scope 3 emissions and provide a clean alternative fuel for the facility;
- Work to close the remediation project with the former owner of the facility
- Join the ACI Circularity Project
- Join the ACI Sustainable Feedstock Initiative
- Expand our STEM for women's internship program
- Expand our Supply Chain Auditing program
- Resource / energy map the TRT production process to carbon footprint and conduct life cycle analysis on all of TRT's products
- Begin reporting under the CDP Water Initiative
- Installation of a permit to work system