



ENVIRONMENT



SOCIAL



GOVERNANCE

# 2022 ESG REPORT



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## About Our 2022 Report

This report focuses on our activities and achievements that occurred during the calendar year 2022 across our company. Unless otherwise stated, all data provided represents activities within our operational control (our refineries, terminals, plants and headquarters). This year's Environmental, Social and Governance (ESG) Report was prepared in accordance with the Global Reporting Initiative (GRI) Sustainability Reporting Standards (2016). The GRI Index can be found at the back of this report on page 28.

CITGO is a privately held entity and all disclosures in this report are voluntary. Monetary figures are in U.S. dollars, unless otherwise noted. Some data has been rounded.

This ESG report contains forward-looking statements relating to the manner in which CITGO intends to conduct its activities, based on management's current plans and expectations, and how CITGO intends to pursue current strategies. These statements are not promises or guarantees of future conduct, policy or performance, and are subject to a variety of uncertainties and other factors, many of which are beyond our control.

# A Message From Our CEO



**Carlos E. Jordá**  
CITGO President & Chief  
Executive Officer

## CITGO ESG Reporting

The ESG measures we are reporting reflect our current strengths and areas where we can yet improve as responsible corporate citizens in a volatile and competitive market. The pages that follow outline our efforts to live our corporate values underlying our environment, social and governance efforts. We remain committed to improving in these areas. A more detailed explanation of our adherence to the GRI standards of reporting can be found in the GRI Content Index starting on page 25.

In 2022 we experienced the best year in the history of CITGO, with exceptional operational and financial performance while continuing our commitment to ESG initiatives. This year marks our fourth ESG report, and I am proud to say that we have continued to advance the key strategies outlined below:

- ▶ Investing in asset infrastructure to support Operational Excellence initiatives, such as projects that sustain a strong safety and environmental culture.
- ▶ Evaluating alternatives to most efficiently reduce greenhouse gas emissions (GHG) with our initial focus on energy efficiency.
- ▶ Continuing our long-standing tradition of corporate responsibility by investing in our local communities in the key focus areas of health, education, environmental stewardship, and disaster relief.
- ▶ Continuing to support the Simón Bolívar Foundation in its mission to provide humanitarian aid that improves the health of vulnerable communities in and from Venezuela, especially mothers and children.
- ▶ Nurturing a diverse and inclusive workforce that attracts top talent.
- ▶ Continuing to strengthen our ethics and compliance programs and internal control systems, reinforcing a healthy speak up culture and confirming compliance with expectations.

The pages that follow detail our 2022

performance against these ESG related strategies. Highlights include the following:

- ▶ **Environment:** Continued reduction in environmental incidents and emissions due to improved reliability. We joined the Environmental Protection Agency's ENERGY STAR program as an ENERGY STAR Partner, and we continued investing in our signature Caring for our Coast program. We also received the Gulf Guardian Award from the Galveston Bay Foundation in recognition of our support of the overall health of Galveston Bay.
- ▶ **Social:** Maintained industry leading safety performance while continuing to invest in signature programs such as STEM Talent Pipeline, student scholarships, and various initiatives to help communities prepare for and recover from disasters. We also raised millions of dollars for MDA and United Way. And finally, using our employee engagement survey results as a guide, we launched several employee initiatives to address employee wellbeing, leadership development, and enhanced communications.
- ▶ **Governance:** The CITGO Ethics and Compliance (E&C) Office continued to make improvements in the Company's E&C program, including enhancing a speak-up culture, creating an E&C Ambassador network, and promoting the CITGO Integrity Helpline. At the Board level, we issued a Directors' Code of Conduct and set up additional board related protocols.

# A Message From Our CEO

In our business especially, we understand it is a privilege to operate in the communities we serve. As such, we will continue to focus on acting with integrity in everything we do, minimizing our impact on the environment, and investing in our people and communities. As the business environment in which we operate continues to evolve, we remain confident in our ability to face the challenges before us while also focusing on maximizing opportunities and upholding our commitment to safe, reliable, and responsible operations.

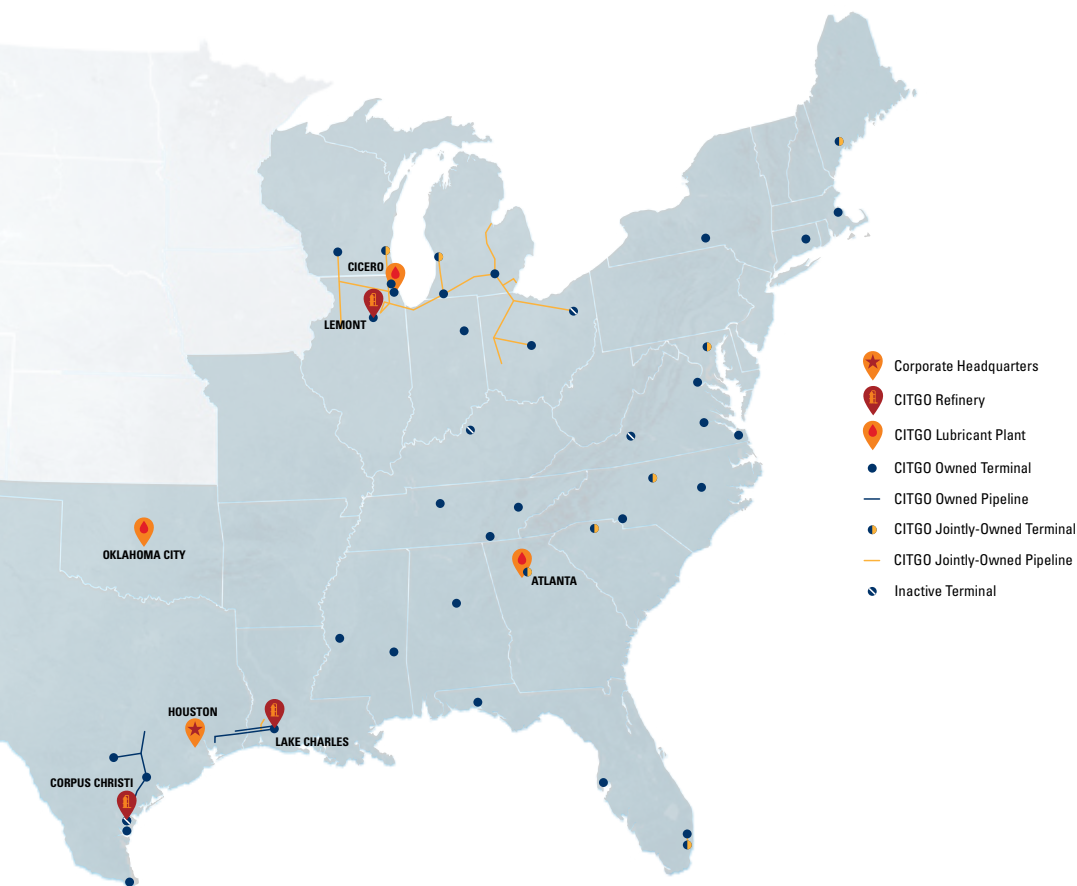
*Carlos E. Jordá*



# About CITGO

CITGO Petroleum Corporation makes the products that fuel everyday life.

We refine, transport and market motor fuels, lubricants, petrochemicals and other industrial products. CITGO operates three complex and flexible refineries located along the Gulf Coast and in the Midwest, a network of pipelines and terminals, and three lubricants blending plants across the country.



## REFINING

CITGO operates three sophisticated, highly complex and competitive refineries in Lake Charles, La., Corpus Christi, Texas, and Lemont, Ill., with a combined crude capacity of 769,000 barrels-per-day (bpd). In early 2023, the Company added 38,000 bpd of capacity, bringing total crude capacity to 807,000 bpd.

Each refinery processes large volumes of crude oil into refined products, primarily gasoline, diesel, jet fuel and petrochemicals.

## TERMINALS AND PIPELINES

Our extensive network of petroleum product terminals and pipelines is among the largest in the nation, consisting of 38 active wholly or jointly owned terminals and six pipelines. This network offers the flexibility to store and distribute products to our customers throughout the midwestern, southern and eastern United States.

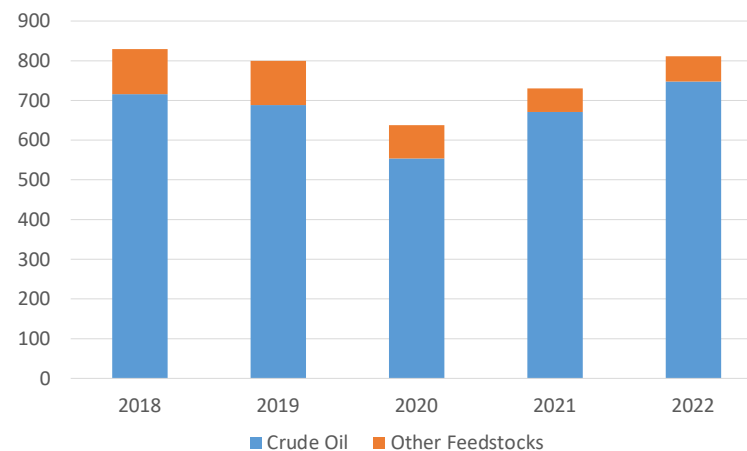
# About CITGO

## SUPPLY AND MARKETING

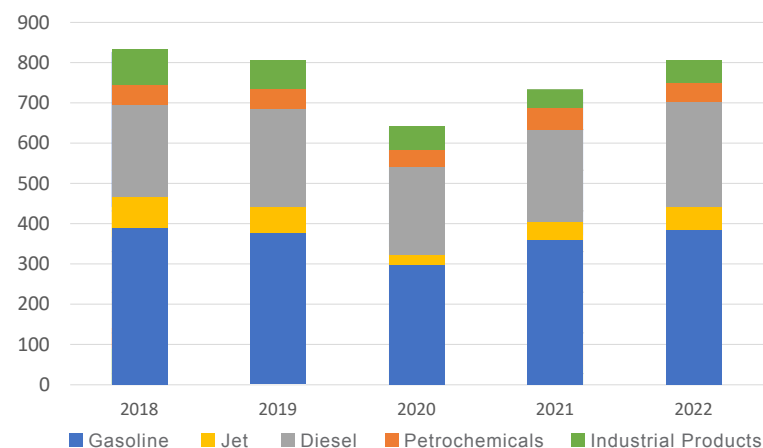
The high complexity of each refinery provides the added flexibility to adjust and optimize crude slates based on market dynamics. As crude production in both the United States and Canada has grown, CITGO has increased the use of these advantaged crudes. Although we have the flexibility to receive crude via many modes of transportation, having direct access to these crudes via pipelines minimizes transportation costs.

In 2022, CITGO produced more than 700,000 bpd of transportation fuels (gasoline, diesel and jet), returning to a more normal pre-pandemic production level. Of the total products produced, CITGO distributed approximately 518,000 bpd to approximately 4,200 independently owned and operated branded retail outlets in the United States and exported approximately 182,000 bpd. The Company also blends and packages lubricants under the CITGO, Mystik and Clarion brands at its Atlanta, Ga., Oklahoma City, Okla., and Cicero, Ill. facilities.

### Refinery Net Inputs, MBPD



### Refinery Net Products, MBPD\*



# Environment

Our commitment to Operational Excellence is reflected in the continued reduction in environmental incidents which result in reduced emissions. Related to air quality, in 2022 we had no reportable quantity incidents. We also improved reliability at our Lake Charles, Lemont, and Corpus Christi refineries, which resulted in record environmental performance, including “time not in flare” of 99.9%, 99.8% and 99.8%, respectively.

We understand that running reliably - without upsets, interruptions or incidents - and in compliance with our obligations means that we keep impacts to the environment to a minimum and prevent unwanted impacts to the communities in which we operate.

## CRITERIA AIR EMISSIONS

CITGO continues to explore and invest in activities that result in emission reductions of Criteria Air Pollutants from our operations. Historical emissions reductions as shown in the chart to the right have come from a wide variety of ongoing actions such as:

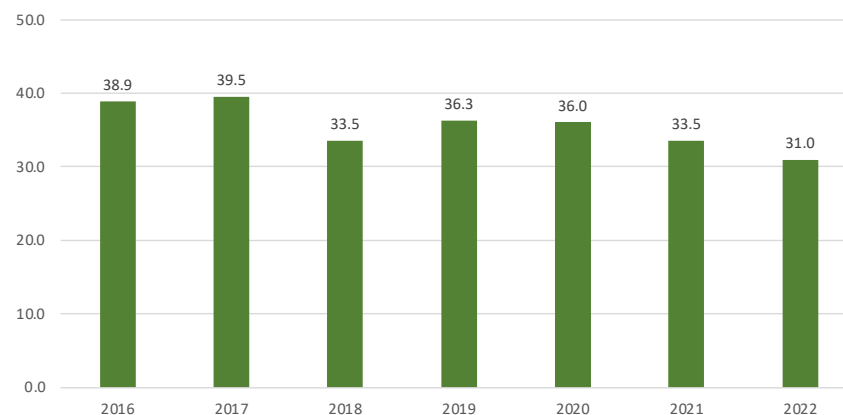
- ▶ Replacing older less efficient boilers
- ▶ Installing more efficient burners
- ▶ Selected unit shutdowns
- ▶ Conducting regular burner tuning
- ▶ Improving amine treatment for SO<sub>2</sub> reductions
- ▶ Reducing the number of flares
- ▶ Implementing flare minimization practices
- ▶ Active leak detection and repair practices



### Total Air Emissions from Refineries

(VOC, NO<sub>x</sub>, CO, SO<sub>2</sub> & PM<sub>10</sub>)

MetricTons / Million Barrels of Gross Throughput\*



\*As defined by Section 108 of the federal Clean Air Act (VOC, NO<sub>x</sub>, CO, SO<sub>2</sub> & PM (excluding lead), and as certified in annual air emission inventories.

NOTE: Historical data reported for Total Air Emissions from Refineries differs slightly from data presented in the 2021 ESG Report and has been updated to correct minor errors reported in data for past years. In addition, for consistency throughout the report we adjusted the denominator from net throughput to gross throughput.



## GREENHOUSE GAS EMISSIONS

CITGO continues to track and report its Scope 1 GHG emissions for our refinery operations, consistent with EPA reporting requirements. We have seen a reduction in our GHG emissions associated with the temporary shutdown of a few units at our Lake Charles facility. The lower discounting of heavier crudes in 2021 and most of 2022 led to an optimized crude slate that was lighter in gravity and lower in sulfur, allowing us to idle some heavy conversion units. This trend could reverse based on market fundamentals. In addition we permanently shut down our small FCC unit at the Corpus Christi refinery in the fourth quarter of 2020, also contributing to lower emissions.

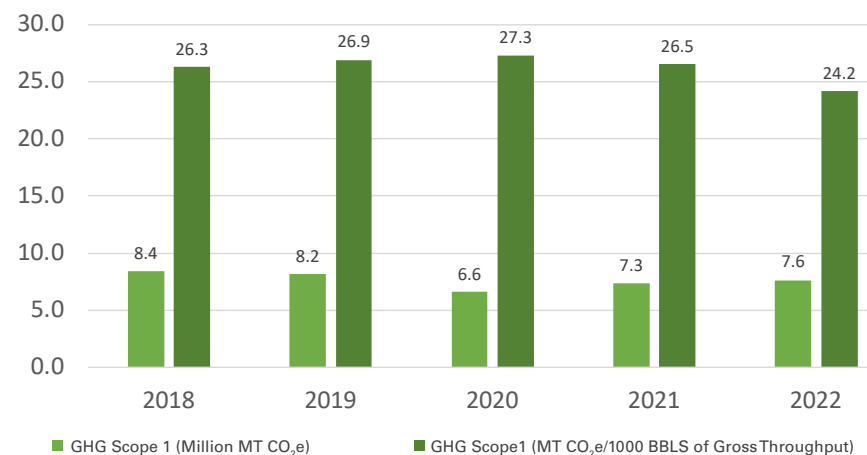
The majority of our GHG emissions come from our refining operations but we have also been collecting emissions data from our other wholly-owned and operated facilities. Starting this year we are including Scope 1 emissions from terminals, pipelines, lubricant plants and the corporate office. In addition we are also including Scope 1 emissions associated with our 50% ownership in NISCO, a coke fired power generation facility. Lastly, we have also incorporated all Scope 2 emissions primarily associated with purchased electricity and steam. We are in the process of having our GHG Emissions audited to verify the data.

## ENERGY USE

It is commonly understood that energy use is the primary contributor to GHG emissions in refining processes. We look for feasible opportunities to reduce the energy intensity of our operations, which both helps lower our GHG emissions and also reduces our operating expenses.

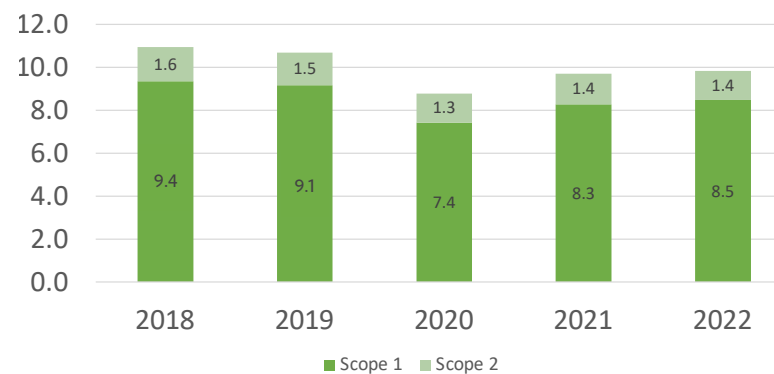
To that end, CITGO launched an Energy Efficiency Initiative that included an Energy Summit held in 2022. With the end goal of identifying specific projects and practices to reduce energy intensity, we involved employees and external subject matter experts to search for improvements in equipment and refining processes. At the end of the year, we joined the U.S. Environmental Protection Agency's ENERGY STAR program as an ENERGY STAR Partner. Joining ENERGY STAR further increases our commitment to improving energy efficiency by providing additional

### Greenhouse Gas Emissions from Refineries (Scope 1)



NOTE: Historical data reported for GHG emissions differs slightly and has been updated to correct minor errors reported in data for 2019 and 2021.

### Greenhouse Gas Emissions (Million MT CO<sub>2</sub>e) CITGO Operations\* (refineries, terminals, pipelines, lubricant plants and corporate office)



\*Emissions resulting from CITGO direct control and equity share of NISCO.



resources such as access to a vast network of industrial partners and energy management practices. In the future we expect to continue to advance this initiative, dedicating human and capital resources.

Our long-term energy use strategy includes:

- ▶ Increasing employee involvement in reducing energy use.
- ▶ Identifying projects that reduce energy use but also provide other benefits such as reliability, safety, emission reductions and yield improvement.
- ▶ Expanding the focus of our business development teams to 1) explore opportunities related to how we source electricity and steam, and 2) assess the potential to collaborate with third parties in the renewable electric generation space.

## RENEWABLE FUELS

In the renewable fuels space, we are developing a strategy for entry into the sustainable aviation fuel market in two different ways. One through blending and providing logistics services to companies who already produce it or to airlines who are purchasing it. Our second step is to evaluate the manufacturing of SAF. We believe this is a long-term play to support the efforts of the airline industry in reducing its carbon footprint.

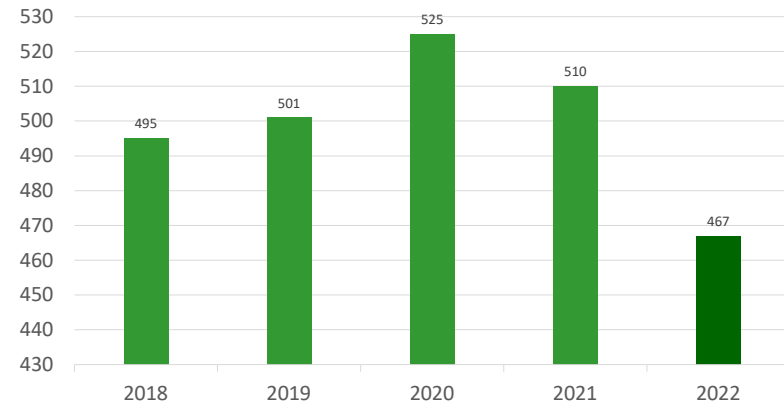
## WATER USE

Water use initiatives continue to be implemented, such as monitoring to prevent utility leakage and minimize steam waste. We implemented a steam leak repair program at the Corpus Christi Refinery in 2022 and are in the process of developing similar programs at the Lake Charles and Lemont Refineries.

The 2022 water use data at both the Lake Charles and Corpus Christi Refineries was more representative of normal operations, similar to pre-pandemic amounts. In addition, at our Lemont Refinery we increased boiler feed water (BFW) usage to improve the reliability of our Sulfur Plant Condensers. While this change increased water usage, it improved the

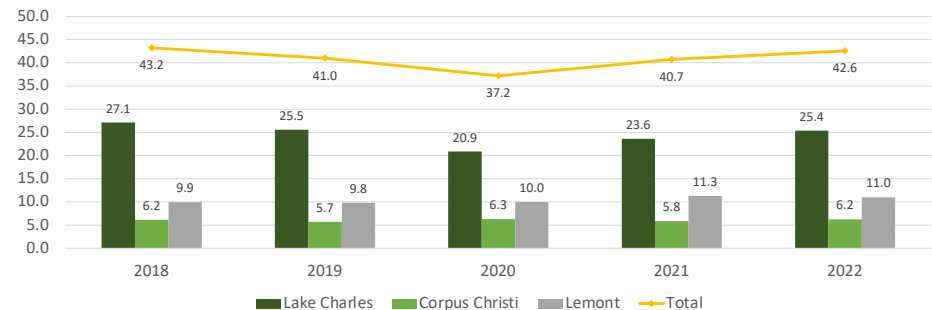
### Energy Use Intensity at Refineries (Energy Use)

Thousand BTUs per Barrel of Gross Throughput\*



\*includes purchased electricity

### Aggregate Water Use at Refineries (Million Cubic Meters)



reliability of the Sulfur Recovery Unit, which is a critical environmental unit in the refinery.

As previously noted, 2020 water usage at Lake Charles was reduced due to the impacts of hurricanes Delta and Laura and water usage at Corpus Christi was reduced in 2021 in part due to Winter Storm Uri.

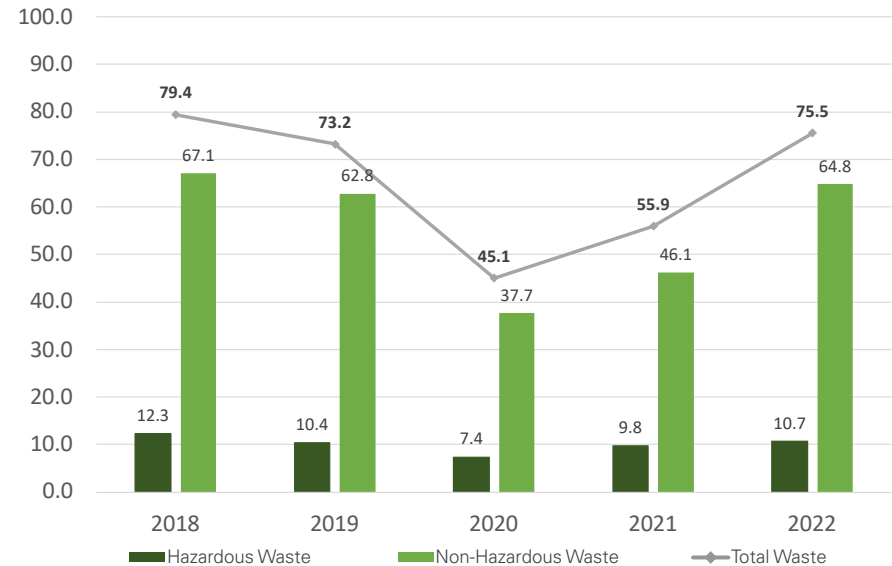
## WASTE GENERATION

Waste generation from refineries is highly variable and depends on factors such as utilization (including weather-related interruptions), periodic turnarounds, tank cleanings, routine and non-routine repairs, remediation projects, changing characteristics of feedstocks, and economic factors.

In general, the total waste generated in 2022 was similar to our pre-pandemic level. The 5-year trend coincides with the crude and feedstocks throughput as we transitioned through the pandemic. The total waste generated has been revised to reflect updated interpretations of the GRI 306 standard, which now include additional streams previously not classified as waste. For consistency, we have restated the historical data accounting for the changes in measurement methodology.

As previously reported, our refineries showed increased levels of waste generation in 2018 and 2019 resulting from non-routine activities such as a soil remediation project, dredging at a storm water retention basin at Lemont, a larger than usual turnaround in 2019 at Corpus Christi, and filter clay and tank cleaning projects. In 2020 and 2021, lower utilization rates due to COVID-19 contributed to lower overall waste generation levels. In 2022 there were a significant amounts of turnaround activities and catalyst replacements, bringing waste generation in line with pre-pandemic historical levels.

### Waste Directed for Disposal at Refineries (Thousand Metric Tons)



## GUARDIAN AWARD FROM THE GALVESTON BAY FOUNDATION

CITGO was honored with the Gulf Guardian Award from the Galveston Bay Foundation, which recognizes partners who go above and beyond in supporting the health of Galveston Bay through grants, partnerships and volunteer engagement.





## ENERGY STAR PARTNERSHIP

CITGO joined the U.S. Environmental Protection Agency's (EPA) ENERGY STAR program in 2022. Since 1992, ENERGY STAR and its partners have helped American families and businesses avoid more than \$450 billion in energy costs and achieve 4 billion metric tons of greenhouse gas reductions. CITGO participation in the program signifies a commitment to operational excellence and a larger company-wide focus on energy efficiency. Employees will participate through a dedicated team of energy efficiency leaders. The partnership builds upon ENERGY STAR certifications of the CITGO refinery in Corpus Christi, Texas, and provides access to a vast network of industrial partners to continue to learn and improve our energy efficiency as we prepare ourselves for a lower carbon economy. CITGO facilities have a range of manufacturing processes and energy requirements encompassing the Lake Charles, Lemont and Corpus Christi refineries; lubricant packaging plants in Oklahoma City, Okla., Cicero, Ill., and Atlanta, Ga.; terminal locations; NISCO power generation facility, in which we own 50%; and the Houston headquarters building. CITGO kicked off this initiative in April of 2022 by hosting a corporate Energy Summit. Employees, field experts and thought leaders introduced innovative ways the company can utilize to improve energy usage.

## OUR COMMITMENT:

- ▶ Measure and track performance using tools available from ENERGY STAR.
- ▶ Develop an energy management plan to help advance CITGO energy efficiency goals.
- ▶ Promote energy efficiency within CITGO and in the communities where we live and work.

# Social

We work to maintain positive relationships with our stakeholders, with special emphasis on our employees and the communities in which we live and work. Our underlying values ensure integrity, respect and fairness in our dealings, and we work hard to provide safe, compliant, reliable and responsible operations within our communities. In 2023 we refreshed our values as follows: **Safety, Integrity, Respect, Accountability** and **Care**.



## VALUES

**Safety:** We operate *SAFELY*, every job every day.

**Integrity:** We act with *INTEGRITY* in everything we do.

**Respect:** We are *RESPECTFUL*.

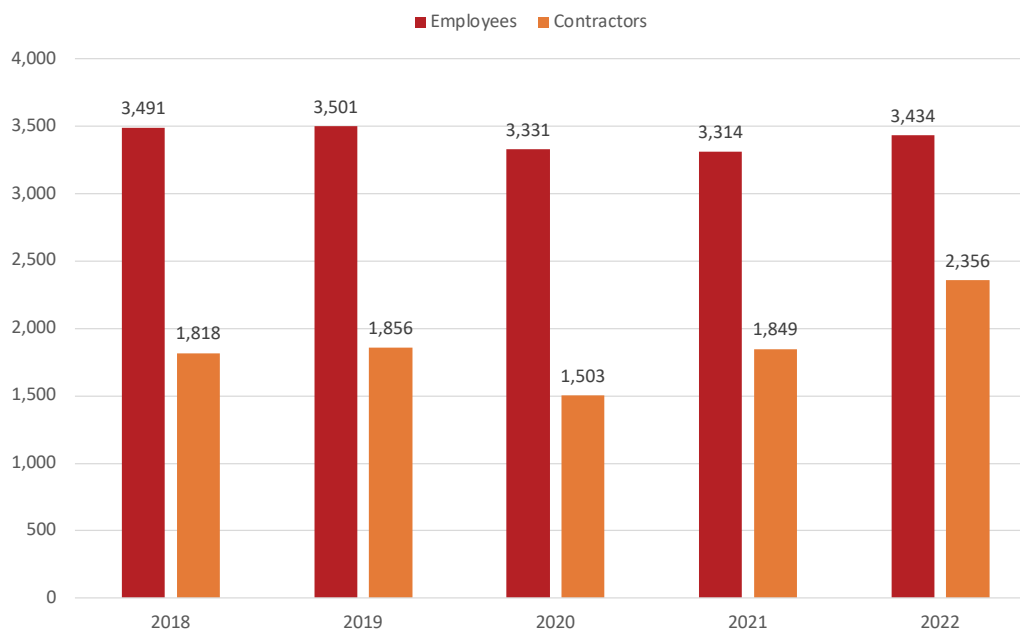
**Accountability:** We are *ACCOUNTABLE*.

**Care:** We express *CARE*.

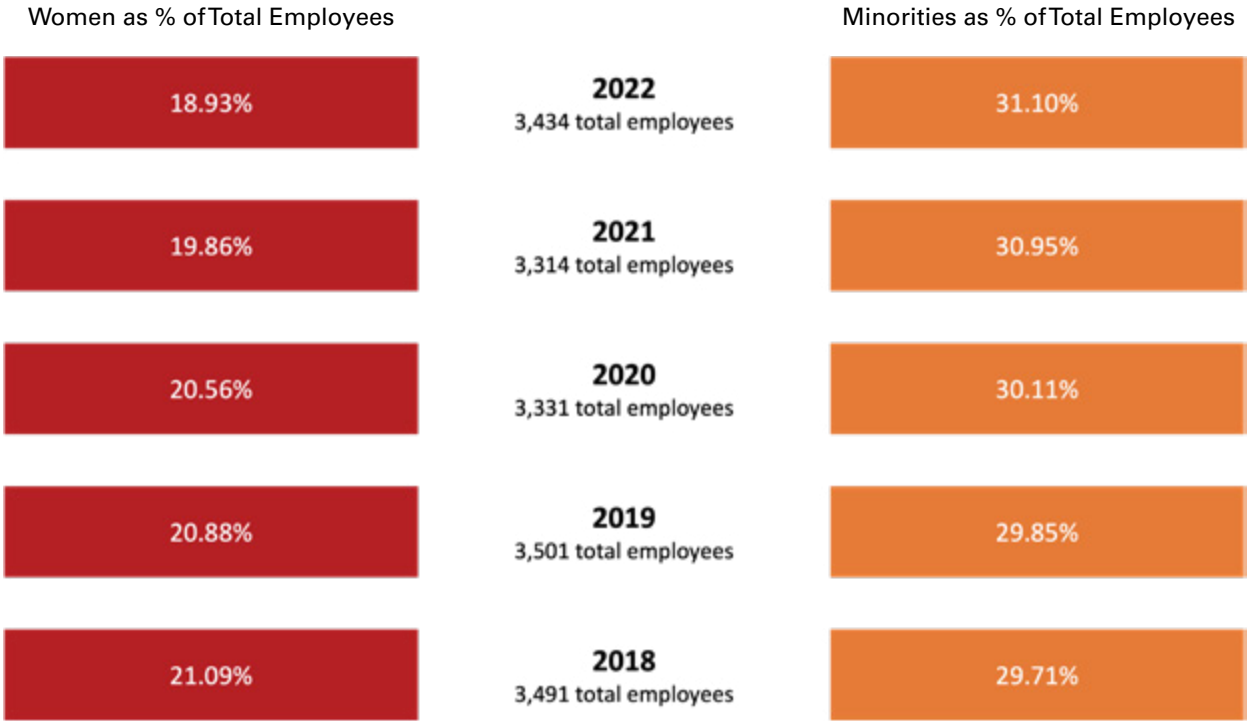
## People

Our total workforce is at the heart of every aspect of our business. Running a successful operation requires a workforce with a diverse set of skills and knowledge, and we strive to attract and retain the best talent. As shown in the associated chart, our total workforce headcount in 2022 was 5,790. The increase of contractors was due to additional activities in maintenance and compliance programs.

Workforce Total Headcount



\*Does not include contractors involved in turnaround activities.



## DIVERSITY AND INCLUSION

CITGO remains committed to maintaining a diverse and inclusive workforce. We believe that fostering workplace environment that values and respects different backgrounds, experiences, points of view and gender identities is critical to our continued success and innovation. CITGO has not set specific diversity targets for its Board, senior management team or employees, but we strive to have an inclusive and diverse workforce. Our longstanding commitment to fair hiring, retention and development opportunities go hand in hand with our efforts to

build and maintain a high performing workforce and a strong ethics and compliance environment.

As a subset of our total employees, the above chart summarizes the women/minority employee profile.

# Safety

Safety is a core value that shapes daily decisions at every level throughout our enterprise and is central to our focus on Operational Excellence. CITGO leaders and workers, supported by HSE professionals, keep safety high on the agenda through its integration into day-to-day work activities and long, medium, and short-term planning. CITGO actively participates in peer industry collaborations to develop best practices, share experiences and lessons learned, and to drive continual performance improvement for the industry.

Petroleum refining is reported to have one of the best safety performances among the U.S. manufacturing sectors, according to the U.S. Bureau of Labor Statistics data (2021). CITGO is proud to remain a leader within the industry in both personal and process safety performance, which further demonstrates our consistent commitment to safety.



## Additional noteworthy SAFETY HIGHLIGHTS from 2022 included the following:

- ▶ CITGO continues as a safety leader in an industry that has among the lowest injury and illness rates of all manufacturing industry sectors, as reported by the U.S. Bureau of Labor Statistics.
- ▶ CITGO operations were once again recognized for industry leading safety performance:
  - ▷ 2022 is the third consecutive year AFPM has recognized CITGO refineries for Safety Achievements
  - ▷ Terminals and Pipelines received ILTA Safety Excellence Award in 2022
  - ▷ Solvents received the CSX Safety Award for 2021 and 2022
  - ▷ Logistics received 2021 & 2022 Chemical Transportation Safety Pinnacle Award (railroad)
- ▶ Lake Charles received Turnaround Excellence Award from AP-Networks for the Alkylation and SHU Unit turnaround execution.
- ▶ In 2022, CITGO invested \$225 million in safety and operational reliability capital projects to underpin its commitment to safe, compliant, and reliable operations. In comparison, our 2021 spend was \$200 million. **See our Annual Report** for additional information.
- ▶ Through the ongoing challenges of COVID-19, the CITGO Business Continuity Planning Team sustained its leadership, constantly monitoring developments, maintaining awareness around safe practices, and ensuring that necessary protective supplies were consistently available as needed.

## SAFETY PERFORMANCE DATA - TRIR, DART AND PSE

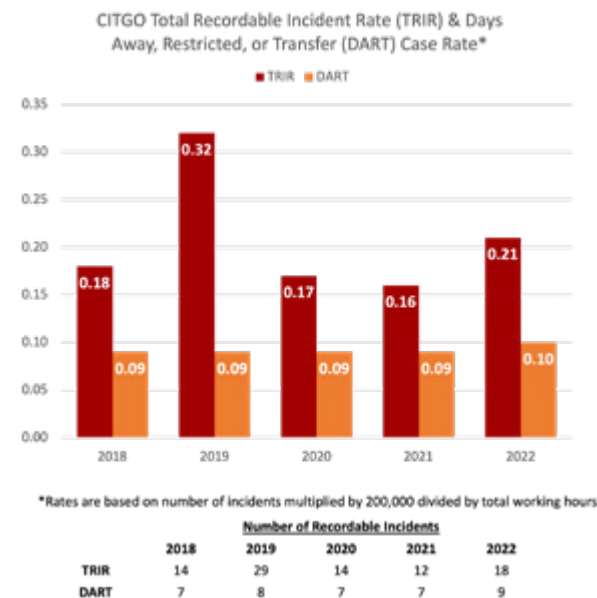
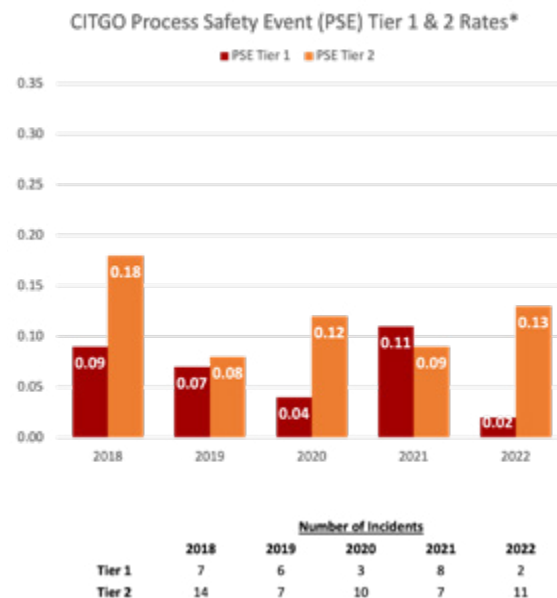
In 2022 CITGO maintained its position as an industry leader in safety performance while managing the challenges of ramp up in operational work hours, significant turnaround scopes, COVID-19, and further severe winter conditions (Winter Storm Elliott).

Process Safety Management continues to be a key focus area. Overall, the sum of Tier 1 and Tier 2 Process Safety Events (PSEs) was reduced by 13% from the previous year. The Tier 1 PSE Rate was the lowest in recorded CITGO history. While challenges were experienced by many other operators due to the significant cold weather event at the end of 2022, CITGO operations personnel applied lessons learned from similar events in 2021 to maintain safe and reliable operational uptime.

Injury/Illness rates were sustained at an industry leading level despite an uptick in 2022. No obvious significant causal trends were specifically identified, but improvement action plans were focused on organizational and personal risk reduction measures associated with working at heights, transiting through the work site, body positioning and manual handling/lifting.

Systematic analysis of High Learning Value Events continued, identified based on both actual and potential severity, and reviews with executive management endorsed enterprise-wide learning opportunities.

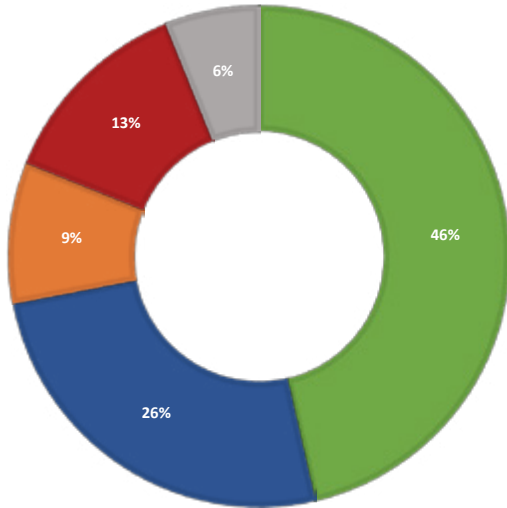
In 2022, planned focus areas for continual HSE improvement included ongoing communication



### Health and Safety Management System (Enablon)

Further significant investment was made in the ongoing implementation of Enablon as the enterprise-wide, centralized HSE data management system. Focus included consolidating utilization of existing functionality (Incident Management, Process Safety-focused Management of Change, Action Plans), the deployment of Audits and Inspection with Mobility, Process Hazard Analysis, enhanced interfaces with other applications, and increased use of Metrics/Dashboards. Initiatives for 2023 are expected to include another significant software upgrade, monitoring utilization of existing modules, enhancing existing functionality and analyzing additional modules for future deployment.

# Community



■ Education
 ■ Health
 ■ Environment
 ■ Disaster Relief
 ■ Matching Gifts and other



Source: Galveston Bay Foundation

CITGO has a long-standing tradition of corporate citizenship that includes educational initiatives, disaster recovery and resilience, environmental stewardship, sponsorships, and strategic associations.

In 2022, CITGO donated approximately \$6.5 million in the focus areas of

- ▶ Education - \$3.0 million;
- ▶ Disaster Relief and Resilience - \$800,000;
- ▶ Environment - \$600,000;
- ▶ Health - \$1.7 million;
- ▶ and an additional - \$400,000 in matching gifts and other contributions.

Note: The contributions above exclude those made by CITGO to the Simón Bolívar Foundation.

Community highlights are included below:

## Education

Education is vital to long-lasting community sustainability. CITGO supports educational initiatives that create meaningful impact while addressing some of today's biggest societal barriers. Through the STEM Talent Pipeline signature grant program, CITGO awarded more than \$900,000 to 32 schools and educational organizations, encouraging students to pursue STEM careers. The program supports 12 CITGO Innovation Academies, reaching nearly 18,000 students and educators.

CITGO also awarded \$245,000 through the unique Distinguished Scholars Program, which recognizes high school students for their talents in areas such as community service, beating the odds, and career and technical education.

In addition to STEM, CITGO prioritizes literacy programs to help build the personal libraries of young students. CITGO supported Bess the Book Bus on its 20th anniversary and milestone of donating one million books. The year kicked off with a Million Books, A Million Smiles event in Tampa, Fla. and followed Bess as she made her way through the U.S., culminating in a "book concert" where every kindergartner in Alief Independent School District was treated to an event with storybook characters, a read aloud, entertainment and a book to bring home.

## Environment

Originally launched in 2014, our Caring for Our Coast (CFOC) Program is an ongoing effort to protect vulnerable coastal and inland habitats through education and volunteerism.

In 2022, CFOC awarded \$600,000 to 10 environmental organizations. The results of these programs included planting more than 109,000 trees, grasses and shrubs; collecting nearly 115,000 pounds of trash; restoring 229 acres; and engaging more than 4,500 volunteers in 168 events.

Highlights of our partnerships include:

- ▶ Partnered with Galveston Bay Foundation to support a Blue Carbon Pilot program to conduct a carbon stock analysis on tidal wetlands in Texas.
- ▶ Continued support for Restore America's Estuaries small grants programs for projects in the Gulf Coast with a new emphasis on projects including diverse communities.
- ▶ A partnership with Tampa Bay Watch for a Marine Science outreach program to reach at-risk schools and empower students to act as stewards of the Tampa Bay estuary with hands on field experience.

### Caring for Our Coast Supports:

- ▷ Artist Boat
- ▷ Coastal Bend Bays & Estuaries Program
- ▷ The Conservation Foundation
- ▷ Galveston Bay Foundation
- ▷ Gulf of Mexico Alliance
- ▷ Houston Audubon Society
- ▷ National Recreation and Park Association
- ▷ Restore America's Estuaries
- ▷ The Nature Conservancy
- ▷ Tampa Bay Watch



Source: Galveston Bay Foundation

## Disaster Relief and Resilience

- ▶ In the wake of several disasters, we supported organizations responding to the devastation of Hurricane Ian in Fla., the water crisis in Jackson, Miss., flooding in Appalachia, and contributed to organizations providing support to the influx of migrants from the border states to metros across the country.
- ▶ With increased frequency of declared disasters, we have focused on supporting initiatives that promote resilient communities and partner organizations. One priority area is ensuring our first responders have the right equipment to respond to future disasters more quickly and effectively. Through the CITGO Community Awareness Emergency Response Council in Lemont, Ill., we awarded funds to local agencies for projects that included upgrading an emergency alert app, and purchase of a search and rescue drone program, among others. Other resiliency initiatives included emergency shelf stable food to homebound seniors ahead of hurricane season; creating a pre-screening system with the United Way of Southwest Louisiana to more quickly serve eligible clientele affected by disaster; and several home repair and building projects to ensure vulnerable families have a safe and sound home to better withstand severe weather events.

## Health

Since 1986, CITGO has partnered with the Muscular Dystrophy Association (MDA), raising more than \$265 million through annual fundraising campaigns that support MDA's mission. In 2022, CITGO raised and donated \$6.1 million for research and to support families living with muscular dystrophy, ALS and related neuromuscular diseases. Additionally, the Company contributed \$250,000 to the Ronald McDonald House Charities South Texas to help build a new facility to better meet the needs of families who need to remain close to their hospitalized child. Team CITGO also increased its contributions toward food security by donating \$700,000 to the Coastal Bend Food Bank in Corpus Christi, Texas. Funds will be used to build a new warehouse that will be able to serve more clients and engage more volunteers.

## Employee Engagement and Volunteering

- ▶ Raised and donated more than \$1.7 million for United Way organizations in our refinery communities.
- ▶ Employees volunteered more than 4,000 hours to local community organizations and donated over \$260,000, including CITGO matching funds and rewards.
- ▶ The employee-driven Environmental Stewardship Committee (ESC) partnered up with TeamCITGO to lead a volunteer site for the annual Trash Bash. CITGO and community volunteers removed 8,000 pounds of trash and 200 pounds of recyclable waste from Buffalo Bayou in Houston, Texas.
- ▶ Implemented our second annual Giving Tuesday campaign to encourage our employees to find their "One Good Thing." Employees received \$50 in their matching gift account to donate to the charity of choice. CITGO also highlighted several employees sharing their stories of the good deeds they do in their local community. The campaign was successful in engaging employees and encouraging them to support the causes they most care about. The campaign resulted in an increase of participation in the CITGO GO > Fuel Good platform by 866% in December compared to the monthly average use.



## SIMÓN BOLÍVAR FOUNDATION

The Simón Bolívar Foundation (SBF) seeks to improve the health of vulnerable individuals affected by disaster, conflict and poverty, with special attention to children and mothers in and from Venezuela. The Foundation supports grantmaking that creates dividends to benefit a larger community.

In 2022 the Foundation continued working to provide access to humanitarian health care and building capacity to support a larger number of people. 2022 was a year of growth, doubling the number of beneficiaries to an estimate of 200,000 and increasing geographic reach to provide support to Venezuelan migrants and other vulnerable populations in eight countries in Latin America and the United States. This was made possible by the generous contribution from CITGO, which increased its donation to tackle the migrant situation.

The Foundation's achievements throughout the year included:

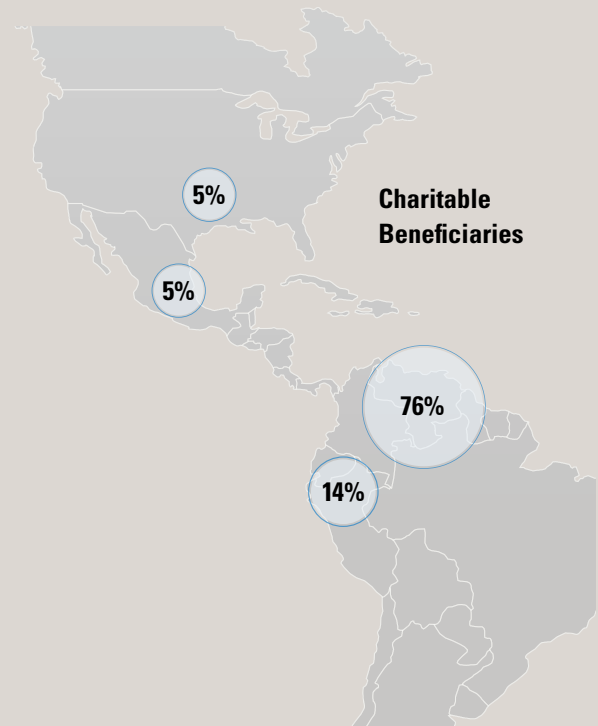
- ▶ Expanded its activity to award 23 grants and donations for humanitarian health support in Venezuela, Latin America, and the United States to benefit an estimate of more than 200,000 individuals.
- ▶ Awarded two grants for knowledge transfer and capacity building, estimated to reach an audience of more than 200,000 people through seminars, training health providers in health issues in Venezuela, and a podcast providing

information regarding medical services to migrants in Texas.

- ▶ Completed two studies in collaboration with researchers from Johns Hopkins University Center for Humanitarian Health and the Center for Disaster Philanthropy, providing valuable insights into the health situation in Venezuela and the migrant situation and health needs throughout Latin America. The results of these studies support the Foundation's strategy of supporting primary healthcare to mothers and children as the most impactful health intervention to achieve life-saving impact. See links here:
  - ▶ [Johns Hopkins University Center for Humanitarian Health](#)
  - ▶ [Disaster Philanthropy Study](#)
- ▶ Selected the first three candidates to receive scholarships to participate in an online program with the Baylor School of Tropical Medicine.
- ▶ Continued to progress in the patient transition plan, providing follow-ups under existing SBF patient agreements and signing an agreement with an organization in Venezuela as a potential alternative for patients who wish to return to Venezuela if accepted into the program. Additionally, donated medical devices for patients with cardiac congenital conditions in Venezuela.

SBF also continues to focus on governance and transparency, including through the following steps:

- ▶ Issued the 2021 Annual Report.
- ▶ Continued to issue audited financial reports.
- ▶ Engaged an external audit firm to audit the grant award process with no findings.
- ▶ Verified and closed 36 projects from 2020-2022. All metrics in these 36 grants were exceeded, including a total number of beneficiaries of 314,728 individuals versus an initial estimate of 179,508.
- ▶ [For more information, see the \*Simón Bolívar Foundations 2022 Annual Report\*.](#)



# Governance

One of the main responsibilities of management is to ensure that CITGO operates under the highest levels of integrity and adopts industry leading practices in everything we do. To this end, the Board of Directors prioritizes strong governance, which is fundamental to our other objectives of operational and financial stability. In 2022 we focused on Ethics and Compliance, Systems and Practices for Reporting Concerns, Cybersecurity and Internal Control Compliance.

## ETHICS AND COMPLIANCE

During 2022, the CITGO Ethics and Compliance (E&C) Office continued to make improvements in the Company's E&C program, including further strengthening governance for our Board of Directors, enhancing a speak-up culture, creating an E&C Ambassador network, and promoting the CITGO Integrity Helpline.

At the Board level, CITGO issued a Directors' Code of Conduct and established additional protocols for certain board matters as well as conducted a number of training sessions for board members throughout the year.

Promoting a speak-up culture continued in 2022 by reinforcing a work environment that is safe, respectful, and free of harassment and retaliation.



This required leaders to regularly encourage their teams to speak-up about concerns and ideas and listen objectively when someone chose to speak-up.

To further extend the reach of the E&C corporate office, we created an E&C Ambassador network. These E&C Ambassadors are embedded within various functions and company locations where we have larger populations. The Ambassadors help establish and promote consistent and relevant ethics and compliance messages, help improve risk identification and mitigation, and collaborate to support and nurture a speak-up culture. They actively integrate ethics and compliance messages into their respective business communications and are critical in role modeling and promoting CITGO values through their own behaviors.

### The CITGO Integrity Helpline

We believe all CITGO stakeholders have a responsibility to speak up. There are a number of reporting channels available for stakeholders, to ask questions or raise concerns, including the CITGO Integrity Helpline. The data from the CITGO Integrity Helpline shows over a 60% increase in the

### Scarpino, Ziegler take association leadership roles

CITGO Chief Ethics & Compliance Officer Steve Scarpino served for the past three years as the Chair of the Ethics & Compliance Association Board, a membership association of ethics and compliance professionals. Mr. Scarpino's 21 years of experience leading corporate ethics and compliance efforts are a valuable asset for the Board and the Company. CITGO Chief Auditor Ms. Ziegler

was elected to the prestigious Board of Regents of the Association of Certified Fraud Examiners (ACFE) for a two-year term. A longtime member of the award-winning Houston ACFE Chapter, Ms. Ziegler served in escalating roles for the last eight years, including president from 2016-2020 and vice president from 2014-2016. Ms. Ziegler also serves on the Scholarship Committee.

number of reports received between 2021 and 2022, indicating that CITGO stakeholders are actively speaking up and using a variety of speak-up channels.

The Integrity Helpline is confidential and administered by an independent external third-party organization and is available 24 hours a day, 7 days a week. The Helpline may be accessed by filing an electronic on-line report or by calling (800) 252-4846. All CITGO stakeholders should feel confident that when

they speak up the Company will listen, follow up and take appropriate action. Any comments, questions, concerns or complaints received through the Integrity Helpline System, or our other reporting channels, will be evaluated and investigated, as appropriate. Concerns can be reported anonymously, if desired. Any person who reports a concern through any of these available channels, including the Integrity Helpline, will be protected from retaliation.

## INTERNAL CONTROL COMPLIANCE

We successfully completed our company-wide internal control enhancement initiative, which includes formalizing key controls related to our financial reporting processes, training our employees on those controls, and implementing an annual control testing framework.

## CYBERSECURITY



CITGO has identified Cybersecurity as a key enterprise risk for the company. Cyber threats continue disrupting businesses around the world. To address these ever changing and imminent cyber threats, CITGO has developed a comprehensive cybersecurity program. The primary goal of the program is the safeguard of the confidentiality, integrity and availability of CITGO data, business systems and computing environments. The Company's Cybersecurity

program follows National Institute of Standards and Technology (NIST) Cybersecurity Framework, key to adequate controls for identifying, detecting, protecting, responding, and recovering from cyber threats.

The security and integrity of our systems is the responsibility of everyone at CITGO. The CITGO Cybersecurity program includes a comprehensive set of policies, standards,

and processes, as well as technical controls, for securing company assets. Policies and standards apply to all CITGO facilities, employees, and contractors. To manage our existing program as well as new technologies and procedures, the CITGO Cybersecurity team has increased its number of personnel by 20% and budget by 50% over the last five years.

## CYBERSECURITY

### Layered Security Architecture

The Cybersecurity architecture at CITGO uses a layered approach. These layers include, but are not limited to, physical access limitations, segmentation of IT and OT, correlation of security incidents and events, 24/7 monitoring, risk assessments, vulnerability management, penetration tests, employee education, phishing tests and incident simulations. We have put in place incident-response procedures, business-continuity procedures and disaster-recovery procedures, all of which are tested periodically. We use third parties to conduct incident simulations and penetration tests, and to measure overall maturity of the program.

### PCI Compliance

CITGO is in compliance with the Payment Card Industry Data Security Standard Level 1 Service Provider for Merchant Services. We use a third-party Qualified Security Assessor to periodically complete assessment of the Company's compliance. CITGO is also compliant with the California Consumer Privacy Act as well as other applicable privacy laws.

There have been no material incidents, violations or fines due to non-compliance with physical and/or Cybersecurity standards or regulations.



### Training

Employees are required to review our Cybersecurity policy and complete threat-awareness training on a periodic basis. We also conduct phishing exercises each month. If employees fail the exercise, they receive immediate remediation training. Employees who have repeated failures are reported to their management for further education and awareness. As result of our awareness programs, CITGO has achieved greater results than industry averages regarding phishing.

### Leadership

The Chief Information Officer (CIO) oversees the assessment, strategic planning, budget and staffing for the CITGO cybersecurity program. Because CITGO has identified Cybersecurity as one our top enterprise risk management items, the CIO provides quarterly briefings to senior management and annual briefings to the CITGO Audit Committee. There have been no material incidents, violations or fines due to non-compliance with physical and/or Cybersecurity standards or regulations.

# Our ESG Reporting Process: Materiality

We used the Global Reporting Initiative’s (GRI) Standards process to identify topics most relevant to the company as identified by key stakeholders. At CITGO, we took these steps to identify priority issues relevant to our reporting efforts:

- 1 Assessed industry developments using the GRI Standards.
- 2 Benchmarked previous reporting efforts against reporting by peers and industry leaders.
- 3 Focused on the sustainability context of issues managed through key decision-makers at corporate headquarters and at each site.
- 4 Determined the availability of data and the ability to expand disclosure.
- 5 Convened senior executives and internal subject-matter experts from across the organization to assess the reporting approach in light of stakeholder interests and needs.
- 6 Continued materiality assessments to address new and emerging risks.

This year’s report focuses on topics we deemed most relevant to the company and its stakeholders. Of those topics, the following six topics listed below were identified as the top priority areas.

REGULATORY COMPLIANCE
AIR EMISSIONS
OCCUPATIONAL AND PROCESS SAFETY
ENERGY USE INTENSITY
COMMUNITY ENGAGEMENT
EFFLUENTS, WASTE AND RECYCLING

# Our ESG Reporting Process: Stakeholder Engagement

Stakeholder Group	Location	Action
Employees	All locations of operation in the United States	Our employees are integral to our business. They refine, transport and store our products. They are our eyes and ears on the ground, our subject-matter experts and our brand ambassadors.
Government Bodies and Agencies	Local, state and federal governmental bodies and agencies	Governmental bodies and agencies set the legislation and regulations that impact our work.
Nongovernmental Organizations (NGOs)/ Nonprofits and Industry Associations	Global	NGOs support the implementation of corporate social responsibility programs through grants and partnerships.
Consumers	Global	Consumers contribute to our financial success.
Community	In the vicinity of our operations	Our communities provide the bases of operations and an employment pool, and enable us to more broadly engage outside the workplace.
Post-Secondary Institutions	In the vicinity of our operations	These educational institutions help us sustain a qualified workforce.
Contractors	In the vicinity of our operations	Contractors contribute best-in-class skills that support our operational success.
Marketers	United States	Marketers help us sell our products and promote our brand reputation.

GRI Content Index

2022 CITGO ESG Report

GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions										
102-1	Name of the organization		CITGO Petroleum Corporation										
102-2	Activities, brands, products, and services		CITGO is the fifth largest refiner in the U.S. with a combined crude capacity of approximately 769,000 barrels-per-day (bpd), CITGO operates three sophisticated, highly complex crude-oil refineries located in Lake Charles, La.; Corpus Christi, Texas; and Lemont, Ill.; three fully owned and six jointly owned pipelines covering approximately 450 miles; 38 active terminals across 21 states; and three Lubricants plants in Atlanta, Ga.; Oklahoma City, Okla.; and Cicero, Ill. Our gasoline, jet fuel, diesel, petrochemicals and industrial products fuel industry needed to mobilize the U.S. economy. CITGO business activities also extend to pipelines and terminals. CITGO disclosures do not include the activities of CITGO branded retail stores, as they are independently owned and operated locations.										
			NOTE: In early 2023, the Company added 38,000 bpd of capacity, bringing total crude capacity to 807,000 bpd.										
			Total Refinery Production (MBPD)										
				2022		2021		2020		2019		2018	
			Rated Crude Oil Refining Capacity at Year End	769		769		769		769		749	
			Refinery Input										
			Crude Oil										
			Heavy	196	26%	146	22%	228	41%	263	38%	322	45%
			Light Sour	34	5%	33	5%	86	16%	164	24%	106	15%
			Light Sweet	518	69%	492	73%	240	43%	261	38%	288	40%
			Total Crude Oil	748	100%	671	100%	554	100%	688	100%	716	100%
			Other Feedstocks	63		59		84		112		113	
			Total	811		730		638		800		829	
			Product Yield										
			Light Fields										
			Gasoline	385	48%	356	49%	295	46%	369	46%	385	47%
			Jet Fuel	57	7%	43	6%	23	4%	65	8%	75	9%
			Diesel/#2 Fuel	258	32%	227	31%	217	34%	241	30%	226	27%
			Petrochemicals	47	6%	53	7%	42	7%	51	7%	51	6%
			Industrial Products	60	7%	49	7%	61	9%	74	9%	90	11%
			Total	807	100%	728	100%	638	100%	800	100%	827	100%
			Utilization of Rated Crude Oil Refining Capacity										
		97%		87%		72%		89%		96%			
102-3	Location of headquarters		Houston, Texas - U.S.A.										
102-4	Location of operations		CITGO assets [https://www.citgo.com/operations/terminals-pipelines] and stores [https://www.citgo.com/station-locator] can be found via separate site pages.										
102-5	Ownership and legal form		CITGO Holding Inc. a Delaware corporation. CITGO Petroleum is a wholly owned subsidiary of CITGO Holding, Inc.										



GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions
102-6	Markets served		CITGO serves markets that benefit from our products and services across an extensive value chain in the United States. -Midstream Production: Transportation (marine and land) and Terminals (storage and pipelines); -Downstream Production (refining, petrochemicals, and transportation fuel, such as gasoline, diesel, ethanol blending and jet fuel); and -Commercial Activity (wholesale marketing, retailing of transport fuels, crude oil and gas trading)
102-7	Scale of the organization		The scale of our organization is detailed within our recent Annual Report at: <a href="https://www.citgo.com/getmedia/d5e0230d-0541-4e8b-9d94-05988055586d/2022-CITGO-Annual-Report.pdf">https://www.citgo.com/getmedia/d5e0230d-0541-4e8b-9d94-05988055586d/2022-CITGO-Annual-Report.pdf</a>
102-8	Information on employees and other workers		CITGO employees: 3,434, Contractor 2,356
102-9	Supply chain		Crude oil supplies come from a wide variety of North American and foreign crudes that can be run through our complex refineries. CITGO products have access to market through pipeline, barge and ship in addition to rail and truck transportation options. Certain support is dependent on third-party vendors and partnerships such as for hydrogen and electricity and certain feedstocks.
102-10	Significant changes to the organization and its supply chain		No significant changes associated with acquisitions, divestitures or support for go-to-market services were made in 2022.
102-11	Precautionary Principle or approach		CITGO utilizes risk management tools typical for the industry for enterprise risk identification and management as well as for area-specific risks like HSE risk management. CITGO routinely evaluates the potential risks of process and organizational changes for safety and environmental activities. Additionally, Corporate HSE Policy establishes multi-year performance improvement goals to further support continuously improving and minimize risks and adverse impacts.
102-12	External initiatives		Community engagement efforts highlighted throughout our report speak to external initiatives we are committed to. Stakeholders are also invited to learn more at: <a href="https://www.citgo.com/responsibility/community-involvement">https://www.citgo.com/responsibility/community-involvement</a>
102-13	Membership of associations		As an organization deeply rooted in the communities where we operate, our teams are involved in several organizations at the local level and national level. For a full list of memberships in associations, refer to: <a href="https://www.citgo.com/getmedia/053082a2-6f83-4cbf-bba9-ff071bfd5d9f/MEMBERSHIPS-ASSOCIATIONS.pdf">https://www.citgo.com/getmedia/053082a2-6f83-4cbf-bba9-ff071bfd5d9f/MEMBERSHIPS-ASSOCIATIONS.pdf</a>
102-14	Statement from senior decision-maker		A Message From our CEO on page 3.
102-16	Values, principles, standards, and norms of behavior		Though our values are woven throughout the report, readers are advised to reference our website for more at: <a href="https://www.citgo.com/about/who-we-are/vision-values">https://www.citgo.com/about/who-we-are/vision-values</a>
102-18	Governance structure		Our leadership and governance profiles can be found at: <a href="https://www.citgo.com/about/leadership-governance">https://www.citgo.com/about/leadership-governance</a>
102-40	List of stakeholder groups		Stakeholder groups listed in our report are limited to those that we closely interact with on a daily basis, those who we depend on to drive value to the marketplace and the future of our profession. As we continue to build out our platform for active ESG engagement, we will find ways to strengthen efforts towards enhancing our reporting strategy.
102-41	Collective bargaining agreements		See disclosures 403-1 and 403-4 for more information.
102-42	Identifying and selecting stakeholders		Internal subject matter experts active in our ESG efforts, worked to identify and select key stakeholder groups for which we interact with on a daily basis and who could inspire our materiality assessment.
102-43	Approach to stakeholder engagement		Our approach to stakeholder engagement is focused on 1) passive engagement led through desktop research and due diligence which allows us to stay abreast of industry trends and 2) active engagement carried out throughout the year and through various functions in order to maintain a pulse on issues impacting our management controls.



GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions
102-44	Key topics and concerns raised		Key topics and concerns raised throughout our ongoing stakeholder engagement efforts have informed the issues disclosed within our report. By addressing progress in the areas of regulatory compliance; air emissions; occupational health and process safety; energy use intensity; community engagement; effluents; waste and recycling; cybersecurity; systems and practices for reporting concerns, we are able to strengthen critical communication with our stakeholders.
102-45	Entities included in the consolidated financial statements		Financial highlights accounted for our overall operational footprint can be found in our 2022 Annual Report at: <a href="https://www.citgo.com/getmedia/d5e0230d-0541-4e8b-9d94-05988055586d/2022-CITGO-Annual-Report.pdf">https://www.citgo.com/getmedia/d5e0230d-0541-4e8b-9d94-05988055586d/2022-CITGO-Annual-Report.pdf</a>

GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions
102-46	Defining report content and topic Boundaries		Our ESG reporting efforts highlight 2022 calendar year activities at our headquarters and refineries. However, each metric accounts for different variations depending on how data is tracked in our organization. Specifics are provided herein within the Content Index.
102-47	List of material topics		See disclosure 102-44
102-48	Restatements of information		A few restatements are listed within health and safety data sets. Items found within parenthesis are figures listed in the last report. Both numbers are left in the tables to demonstrate restatements. Changes are immaterial.
102-49	Changes in reporting		Within this year's reporting effort, we have included boundary detail within the Content Index in order to bring clarity to what is accounted for within each metric.
102-50	Reporting period		2022 Calendar Year
102-51	Date of most recent report		2021 Calendar Year ESG Report
102-52	Reporting cycle		Calendar Year
102-53	Contact point for questions regarding the report		info@CITGO.com
102-54	Claims of reporting in accordance with the GRI Standards		Our CY2022 ESG Report is "In Accordance" with the GRI Standards core-level reporting guidance.
102-55	GRI Content Index		Herein
102-56	External Assurance		Financial statement audits are conducted by KPMG. Internal quality controls are also applied to environmental, health and safety data as information is also reported to regulatory agencies. We completed our internal control enhancements and they were implemented, as planned, earlier this year. This company-wide initiative included formalizing key controls related to our financial reporting processes, training our employees on those controls, and implementing an annual control testing framework in service of further developing and refining our internal control environment.
103-1	Explanation of the material topic and its Boundary		The level and depth of disclosure on management approach are dependent on the current systems and processes deployed to manage performance data within, and outside, the organization. Highlights are described as lead ins to each topical section within our ESG dedicated site page.
103-2	The management approach and its components		
103-3	Evaluation of the management approach		



GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions				
201-1	Direct economic value generated and distributed	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	Economic Value (in millions of U.S. dollars)	2019	2020	2021	2022
			Net sales	25,567	14,673	27,367	45,353
			Other revenue	25	17	18	21
			Subtotal	25,592	14,690	27,385	45,373
			Cost of sales and operating expenses	24,171	14,946	26,564	40,655
			Other expenses	1,097	893	1,031	1,130
			Subtotal	25,268	15,839	27,595	41,785
			(Loss) Income before Income Taxes	324	-1,149	-210	3,588
			Income tax (benefit expense)	78	-482	-50	774
			Net (Loss) Income	246	-667	-160	2,814
			Additional financial highlights accounted for our overall operational footprint can be found in our Annual Report at: <a href="https://www.citgo.com/getmedia/d5e0230d-0541-4e8b-9d94-05988055586d/2022-CITGO-Annual-Report.pdf">https://www.citgo.com/getmedia/d5e0230d-0541-4e8b-9d94-05988055586d/2022-CITGO-Annual-Report.pdf</a>				

GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions						
202-2	Proportion of senior management hired from the local community	D: Refineries	Refinery	2019*	2020*	2021*	2022*		
			Lake Charles	67	70	70	70		
			Lemont	70	100	90	90		
			Corpus Christi	78	80	70	70		
			NOTE: The information above is for the refineries only. *% of associates from local communities in upper management positions						
			CITGO staffing philosophy for senior management is to provide employees with training and development so that they are prepared for the opportunity to take on higher level positions once they have sufficient experience and qualifications.						
203-1	Infrastructure investments and services supported	C: Corporate							
203-2	Significant indirect economic impacts	M: Terminals & Pipelines D: Refineries & Lubricant C: Corporate (However, Indirect Economic Impact tab only mentions Refineries & Corporate)	Economic Value (in millions of U.S. dollars)		2018	2019	2020	2021	2022
			Payments to Charitable Organizations		18.71	12.38	11.27	5.49	11.6
			Payments are made regardless of whether they are accruals from other budget years or long-term accruals. Figures also include CITGO donations to the Simón Bolívar Foundation. Volunteerism values are provided by a credible external source that informs value per working hour as a standard calculation.						
207-1	Approach to tax governance and management	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	Additional financial highlights accounted for our overall operational footprint can be found in our Annual Report at: <a href="https://www.citgo.com/getmedia/528fcc9b-b1a4-4d4b-b083-1f79ea9278ae/2021-CITGO-Annual-Report.pdf">https://www.citgo.com/getmedia/528fcc9b-b1a4-4d4b-b083-1f79ea9278ae/2021-CITGO-Annual-Report.pdf</a>						



## ENVIRONMENT

## SOCIAL

## GOVERNANCE

## DATA

GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions						
302-1	Energy consumption within the organization	D: Refineries	Energy Consumption (MMBtus)						
			2018	2019	2020	2021	2022		
			157,772,030	151,818,710	127,177,428	140,571,278	147,244,352		
302-3	Energy intensity	D: Refineries	Energy Use Intensity at Refineries (Thousand BTUs per Barrel of Throughput)						
			2018	2019	2020	2021		2022	
			495	501	525	510		467	
303-1	Water withdrawal by source	D: Refineries	Aggregate Water Use in Million Cubic Meters (million m3)						
			Refinery Level	2018		2019	2020	2021	2022
			Lake Charles	27.1		25.5	20.9	23.6	25.4
			Corpus Christi	6.2		5.7	6.3	5.8	6.2
			Lemont	9.9		9.8	10	11.3	11
			Total	43.2		41	37.2	40.7	42.6
			Water consumed at our facilities stems from a combination of municipal for potable water use, and natural sources in proximity to our refineries. Towards protecting waterways, we are committed to treating water before it exits our facilities. Similarly, we have robust processes in place to protect adjacent waterways and wetlands surrounding our facilities through testing, metering and tracking water use prior to discharge. Water consumption at headquarters, lubricant plants, terminals and pipelines are not reported as it represents a de minimis factor in comparison to our overall footprint. Our extensive water recycling efforts are featured within refinery highlights.						
303-3	Water recycled and reused	D: Refineries	Data not available for this report.						
304-3	Habitats protected or restored	Refer to the other non-specific disclosures	Efforts to protect, manage and restore are mandated at the enterprise level and executed by each individual site. Examples of CITGO diligence, including giving, engagement, and partnerships towards preservation and restoration for biodiversity integrity, are located within the social section of the report as case studies.						
GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions						
305-1	Direct (Scope 1) GHG emissions	D: Refineries			2018	2019	2020	2021	2022
			Total Scope 1 Emissions Figures						
			GHG Scope 1 (Million Metric Tonnes CO2e)		8.4	8.2	6.6	7.3	7.6
			Intensity Figures						
			GHG Scope 1 (Metric Tonnes CO2e/1000 bbl)		26.3	26.9	27.3	26.5	24.2
			Throughput						
			Gross Throughput (MMBbl)		319.5	303.8	242.4	276.8	315.1
Emissions factors used are established by the EPA.									
305-2	Energy indirect (Scope 2) GHG emissions	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	CO2e (MT)	2018	2019	2020	2021	2022	
			GHG Scope 1	9,379,157	9,111,983	7,361,325	8,264,144	8,461,951	
			GHG Scope 2	1,602,171	1,520,466	1,336,770	1,423,436	1,359,214	
305-3	GHG intensity	D: Refineries	Our intensity figures are associated with throughput and barrels of production.						
306-2	Waste by type and disposal method	D: Refineries	Both hazardous and non-hazardous waste are tracked by site at CITGO per regulatory compliance mechanisms. Hazardous Waste totals, as reported in the annual RCRA hazardous waste reports, are manifested and disposed of offsite.						



GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions							
305-7	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	D: Refineries	Air Pollutants	2016	2017	2018	2019	2020	2021	2022
			VOC (US tons)	3,315	3,414	2,096	2,140	2,242	2,172	2,179
			NOx (US tons)	5,269	5,175	5,177	5,181	4,119	4,586	4,849
			CO (US tons)	2,529	2,565	2,548	2,869	2,002	2,172	2,426
			SO2 (US tons)	1,163	1,127	1,054	1,083	469	450	487
			PM10 (US tons)	928	868	921	886	776	846	819
			PM2.5 (US tons)	758	683	870	684	570	663	630
			HAPs (US tons)	899	592	567	522	501	489	490
			Total Air Emissions VOC, NOx, CO, SO2 & PM10 (US tons)	13,204	13,149	11,797	12,159	9,608	10,226	10,761
			Total Air Emissions VOC, NOx, CO, SO2 & PM10 (Metric Tonnes)	11,979	11,929	10,702	11,030	8,716	9,277	9,762
			Combined Air Emissions VOC, Nox, CO, SO2 & PM10 (Metric Tonnes/Million barrels)	38.9	39.5	33.5	36.3	36.0	33.5	31.0
			Total Criteria Air Pollutants - NOx, CO, SO2, PM10, Lead (US tons)	9,889	9,735	9,701	10,019	7,366	8,055	8,581
			In 2022, none of the events resulting in environmental non-compliance with environmental laws and regulations met the significance disclosure criteria. We note that the single water permit exceedance listed in our 2020 Report also did not warrant disclosure as it did not meet the significance criteria.							

GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions
307-1	Non-compliance with environmental laws and regulations	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	In 2022, none of the events resulting in environmental non-compliance with environmental laws and regulations met the significance disclosure criteria. We note that the single water permit exceedance listed in our 2020 Report also did not warrant disclosure as it did not meet the significance criteria.
401-1	New employee hires and turnover	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	Data not available for this report.
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	For more about CITGO employment benefits, refer to: <a href="https://www.citgo.com/careers/work-at-citgo/work-at-citgo">https://www.citgo.com/careers/work-at-citgo/work-at-citgo</a>
403-1	Workers represented in formal joint management-worker health and safety committees	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	All employees, both represented and non-represented, are encouraged to take an active role in enhancing the overall health and safety of our workplaces. Labor agreements at all locations call for representatives from bargaining units to participate in union/management safety leadership and awareness committees, which results in quality investigations, program planning, employee input and oversight of all safety programs.



GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions					
403-2	Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities	CITGO H&S data related to TRIR and DART and CITGO Tier 1 and 2 Process Safety Event Rates includes all Organization (Refineries, Lubes, Terminals & Pipelines and Corporate HQ). Industry H&S data related to TRIR and DART does not include Lubes, Terminals & Pipelines or Corporate HQ. CITGO only reports Refineries related H&S data to AFPM.	Safety Aspect	2018	2019	2020	2021	2022
			Total Recordable Incident Rate (TRIR)					
			Industry Employees (refining only)	0.37	0.37	0.53	0.39	0.38
			Industry Contractors (refining only)	0.26	0.30	0.20	0.26	0.20
			CITGO Employees	0.24	0.40	0.22	0.20	0.39
			CITGO Contractors	0.12	0.26	0.14	0.13	0.08
			Total Employees and Contractors* <small>*Rates are based on number of incidents multiplied by 200,000 divided by total working hours.</small>	0.18	0.32	0.17	0.16	0.21
			Days Away, Restricted or Transfer (DART) Rate					
			Industry Employees (refining only)	0.23	0.23	0.37	0.26	0.25
			Industry Contractors (refining only)	0.09	0.10	0.07	0.10	0.07
			CITGO Employees	0.13	0.16	0.11	0.11	0.19
			CITGO Contractors	0.05	0.04	0.07	0.08	0.04
			Total Employees and Contractors* <small>*Rates are based on number of incidents multiplied by 200,000 divided by total working hours.</small>	0.09	0.09	0.09	0.09	0.10
			Tier 1 Process Safety Event Rates	0.09	0.07	0.04	0.11	0.02
			Tier 2 Process Safety Event Rates	0.18	0.08	0.12	0.09	0.13
			CITGO H&S data related to TRIR and DART includes all Organization (Refineries, Lubes, Terminals & Pipelines and Corporate HQ). Industry H&S data related to TRIR and DART does not include Lubes, Terminals & Pipelines or Corporate HQ. CITGO only reports Refineries related H&S data to AFPM. AFPM includes Refineries and Chemical Plants in its Industry data. CITGO Tier 1 and 2 Process Safety Event Rates includes all Organization (Refineries, Lubes, Terminals & Pipelines and Corporate HQ). AFPM Industry Tier 1 and 2 Process Safety Event Rates does not include Lubes, Terminals & Pipelines or Corporate HQ. CITGO only reports Refineries related Process Safety Event Rate data to AFPM. AFPM includes Refineries and Chemical Plants in its Industry data. To provide year-over-year comparable safety data, 2020 TRIR and DART rates above do not include COVID-19 cases.					
GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions					
403-3	Workers with high incidence or high risk of diseases related to their occupation	M: Terminals & Pipelines D: Refineries & Lubricants	Workers with the highest exposure to Incidents and associated risks are those at the Industrial work sites (Refineries, Lubes Plants and Terminals), whether employees or contractors.					



GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions							
403-4	Health and safety topics covered in formal agreements with trade unions	M: Terminals & Pipelines D: Refineries & Lubricants	All employees, both represented and non-represented, are encouraged to take an active role in enhancing the overall health and safety of our workplaces. Labor agreements at all locations call for representatives from bargaining units to participate in union/management safety leadership and awareness committees, which results in quality investigations, program planning, employee input and oversight of all safety programs.							
404-1	Average hours of training per year per employee	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	2019		2020		2021		2022	
			Participant Hours	Total Cost	Participant Hours	Total Cost	Participant Hours	Total Cost	Participant Hours	Total Cost
			198,866	\$1,500,00.00	97,363	\$82,021.84	202,632	\$768,833.00	184,670	\$1,459,020
			We have prided ourselves on our employee development programs over the years, but there were significant issues presented by the COVID Pandemic since 2020. We were forced to limit training and education efforts to essential functions. However, in 2021, we started to realize an increase in training efforts, particularly with regard to our online training courses geared towards job-related skills and career development goals. We also began refining our approach to better meet the needs of an ever-changing business landscape, such as through emotional intelligence and supervisory trainings which have morphed into a holistic leadership development class for seasoned employees as well as people transitioning into new roles. In addition, our Lake Charles and Lemont refineries committed to launching diversity, equity and inclusion courses in 2022.							
404-2	Programs for upgrading employee skills and transition assistance programs	Same as 404-1	Our educational assistance program supports employees’ ambitions to transition to other positions, and even, external opportunities. The program covers our employees’ college degrees.							
404-3	Percentage of employees receiving regular performance and career development reviews	Same as 404-1	Our salaried employees receive regular performance reviews. Hourly operators are evaluated for compliance with performing duties of their roles on a regular basis.							
405-1	Diversity of governance bodies and employees	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	Data not available for this report.							
GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions							
413-1	Operations with local community engagement, impact assessments, and development programs	D: Refineries, C: Corporate (However, Indirect Economic Impact tab only provide details by Refineries. Also SB Foundation donation is included)	Economic Value (Enterprise Level - Total)		2019	2020	2021	2022		
			Community Investments (\$)		12,380,927	11,275,046	5,499,737	11,612,452		



GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions				
413-2	Operations with significant actual and potential negative impacts on local communities	Same as 413-1	Value of Volunteerism (Hours/Costs)	3,907 hours	1,398 hours	1,657 hours	4,087 hours
			<b>Site Level Detail</b>				
			<b>Lake Charles</b>				
			Community Investments (\$)	451,708	1,015,437	839,712	1,643,820
			Value of Volunteerism (Hours/Costs)	861 hours	173 hours	515 hours	784 hours
			<b>Lemont</b>				
			Community Investments (\$)	252,515	620,500	527,894	548,500
			Value of Volunteerism (Hours/Costs)	880 hours	544 hours	295 hours	1,486 hours
			<b>Corpus Christi</b>				
			Community Investments (\$)	566,650	958,500	861,100	1,814,623
			Value of Volunteerism (Hours/Costs)	352 hours	184 hours	225 hours	542 hours
			<b>Houston</b>				
			Community Investments (\$)	154,650	2,711,500	645,500	750,000
			Value of Volunteerism (Hours/Costs)	1,609 hours	484 hours	587 hours	1,194 hours
			Currently, there are no formal impact assessments conducted across the CITGO organization. Being that CITGO employees are deeply rooted in their communities, we depend on them to identify needs. By fostering regular engagement, our team is able to respond to community needs in a cooperative way. The Simon Bolivar Foundation is aimed at benefiting the health needs of its ultimate stakeholder, Venezuelans mothers and children, in and out of the country. In 2022 we engaged two studies to researchers, to map the health needs in Venezuela and in Latin America, where the larger number of migrants from Venezuela move to, to define how we could be more effective with the allocation of our resources.				
415-1	Political contributions	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	As expressly prohibited by company policy, there were no political contributions in 2022.				

GRI Standards Disclosure Item (ID)	GRI Standards (Disclosure Title)	Reporting Boundaries: Midstream Production Downstream Production Commercial Activity	CY2022 - Additional Detail/Omissions				
418-1	Substantial complaints concerning breaches of customer privacy and losses of customer data	M: Terminals & Pipelines D: Refineries & Lubricants C: Corporate	Total number of substantiated complaints received concerning breaches of customer privacy, categorized by:	2019	2020	2021	2022
			Complaints received from outside parties and substantiated by the organization	0	0	0	0
			Complaints from regulatory bodies	0	0	0	0
			Total number of leaks, thefts, or loss of customer data	0	0	0	0
			If the organization has not identified any substantiated complaints, a brief statement is sufficient	0	0	0	0
			From an information Security perspective, the department has not received any outside complaints concerning breaches of customer privacy, or detected any leak, thefts, or loss customer data during these timeframes.				



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