

The business of chemistry is elemental to

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he business of chemistry is vital to modern life.

The Texas chemical industry manufactures countless products that improve the quality of life for billions of people around the world. Chemical manufacturers across the Lone Star State transform natural gas and other mineral resources into the building blocks for essential products that sustain and improve our quality of life.

Our industry provides the raw materials that help keep us safe, healthy, clean, comfortable, mobile, and connected. The products of chemistry make our lives better in immeasurable ways.

The chemical industry supplies innovative materials that are responsible for:

- Clean drinking water and fresher food
- Medical supplies and medicines
- Modern transportation
- Computers, smartphones, and the satellites that connect them
- Personal care and cosmetic products
- Performance fabrics and equipment
- Wind turbines, solar panels, and battery storage technologies providing renewable energy

Ninety-six percent of all manufactured goods are touched by chemistry. In fact, most products and services we enjoy as part of our day-to-day lives would not exist without chemicals. The chemical industry is essential to the functioning of our society and economy, and its innovations are the key to a brighter future.

The business of chemistry is not only committed to making the world a better place with what we make, but also how we do it. We are committed to safety, sustainability, and giving back to our communities.

The chemical industry thrives by acting responsibly and contributing positively to society. Ethical business practices, environmental stewardship, community engagement, and innovation not only benefit people and the planet but also lead to long-term success for our industry. We do well by doing good.

Chemistry shapes the world around us. Thanks to the thousands of products and materials produced by the chemical industry, we enjoy longer, safer, cleaner, smarter, and more comfortable lives.





We all benefit from the innovations of chemistry.

ontributions of the Texas Chemical Industry

INVESTMENT

The business of chemistry has called Texas home for more than 100 years and is a major economic engine for our state. Texas chemical manufacturing facilities are capital-intensive and represent a combined investment of more than \$250 billion in facility assets across the state. Industry invests nearly \$6 billion each year in capital improvements to keep

manufacturing facilities efficient and globally competitive.

Since 2010, the chemical industry has announced over 95 new projects and expansions across Texas with over \$85 billion in new capital investment. This new investment has boosted the Texas economy and has created thousands of permanent jobs and tens of thousands of construction and service industry jobs that help build, operate, and maintain these state-of-the-art manufacturing plants.

EXPORTS

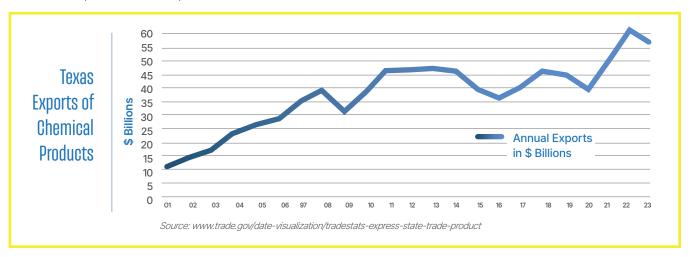
Chemicals are among the top exports for the state of Texas with over \$56 billion in export production in 2023. Texas is the largest chemistry producing state and the number one exporter of chemical products in the United States.

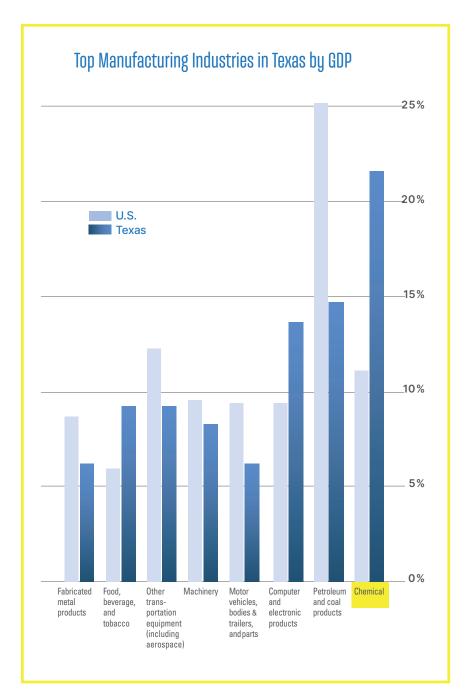
JOBS

The chemical industry employs more than 500,000 Texans. Industry workers enjoy excellent benefits and a culture dedicated to employee well-being. The average industry salary is over \$135,000 per year, nearly 50 percent higher than the state average manufacturing salary. These Texas jobs generate more than \$9.8 billion in wages.

Each direct chemical industry job generates an additional 6 indirect jobs, including contractors, suppliers, service providers, and other jobs in our communities.

The business of chemistry supports half a million jobs in Texas.





TAX IMPACT

The chemical industry in Texas pays more than \$2 billion annually in state and local taxes. As a capital-intensive industry, chemical manufacturers pay a large share of the state's property tax revenue.

CHEMICAL INDUSTRY TAXES

Estimate of FY 2024 State and Local Taxes	
Franchise	\$158 Million
Property	\$1.7 Billion
Sales	\$870 Million
Total	\$2.8 Billion

Source: McGuireWoods Consulting LLC

The business of chemistry provides high-wage jobs, a vital tax base, and is a cornerstone of the community.



COMMUNITY

Chemical manufacturers and their employees are committed to our communities—the places we live, work, and play. Our member companies give back by supporting local schools and colleges, funding scholarships, sponsoring youth sports organizations, partnering with local charities, and promoting clean-up and recycling programs.

Industry employees volunteer countless hours in their communities—serving as firefighters and paramedics, judging science fairs, organizing charity events, and mentoring students. Many industry employees serve on school boards, city councils, and in other elected positions.

During hurricanes and natural disasters, our member companies and their employees have come to the aid of their communities, donating food and water, and providing generators and supplies to those in need. Our industry also provides assistance to local governments, emergency responders, and state and federal emergency management officials by providing chlorine or caustics to restore safe public drinking water supplies in communities across the state.

Chemical manufacturers rise to the occasion when our nation and communities face challenges. Many chemical manufacturing plants retooled their operations to manufacture personal protective equipment (PPE) and disinfectants in response to the COVID-19 pandemic. During Winter Storm Uri, chemical companies shut down operations to ensure the availability of electricity for our homes and hospitals. Some sites that generate their own electricity provided supplemental power to ERCOT to support our state's electric grid, helping avoid catastrophic grid failure.





The chemical industry thrives by acting responsibly and contributing positively to society.

TEXAS SHALE ECONOMY

The chemical industry has deep roots in the Lone Star State. Since the 1920s, the business of chemistry has been a major economic engine for our state. The shale economy has provided an abundant and affordable supply of natural gas from Texas shale deposits. With the advent of shale gas in our state, Texas has experienced a manufacturing renaissance providing a globally competitive advantage for Texas manufacturing. This translates to billions of dollars in new investment, increased exports, and tens of thousands of new jobs.

Access to domestic shale gas that can fuel our economy for a century is the most important energy development in over

50 years. Reliable and competitively priced supplies of natural gas are essential to chemical industry growth in Texas. In addition to being used to generate electric power, natural gas is the primary feedstock used to manufacture thousands of products Americans use every day. Natural gas is to the chemical industry what flour is to a bakery.

Texas is the largest chemical producing state.

As the chemical industry goes, so goes the manufacturing sector. We are the foundation of American manufacturing and a major economic engine for Texas and the U.S. Nearly all manufactured goods are touched by the business of chemistry. Many industries rely on chemicals and plastics including technology, automotive, aerospace, construction, textiles, paper and pulp, as well as sports and recreation.

The chemical industry is proud to be a part of the manufacturing revitalization in Texas. With over \$250 billion in manufacturing investment, chemistry is the second largest manufacturing sector in the state and Texas is the largest chemical manufacturing state in the country.



ENVIRONMENTAL STEWARDSHIP

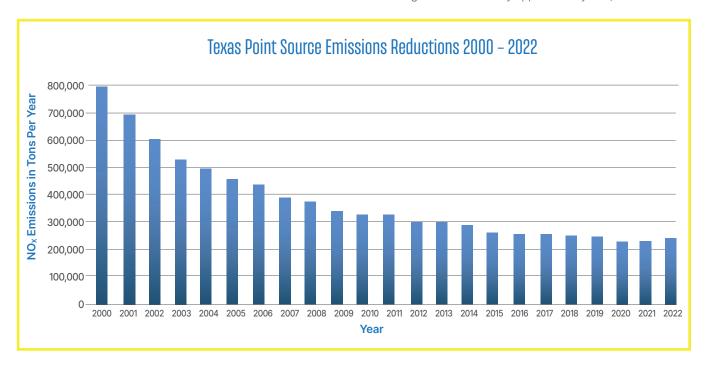
The chemical industry is a proven steward of our environment. Our industry employs the finest chemical and environmental engineers to ensure that manufacturing facilities run efficiently and safely, and comply with all state and federal environmental laws.

Our industry is a world leader in emissions reductions. Since 2001, chemical manufacturers in the Houston area alone have invested over \$10 billion to reduce emissions of nitrogen oxides (NOx) by more than 80 percent. Our industry also invests in pollution control equipment for prevention, treatment, recycling, and disposal.

Mobile sources (cars and trucks) account for the vast majority of NOx emissions, which is a primary ozone precursor. TCC supports the Texas Emissions Reduction Plan (TERP), which administers local grant programs to significantly reduce NOx



emissions from fleet vehicles, buses, construction equipment, and other on and off-road mobile sources. To date, the state has invested \$1.4 billion in TERP programs, effectively reducing NOx emissions by approximately 500,000 tons.



SUSTAINABILITY

The chemical industry is strongly committed to sustainability. Our industry has established a goal of creating a circular economy in which 100 percent of plastic packaging in the U.S. is reused, recycled, or recovered by 2040. This ambitious endeavor will require consumer education, increased recycling, recovery efforts to reduce existing plastic waste, and advanced recycling, which converts singleuse plastics into new manufacturing feedstocks.

Chemistry is the science behind sustainability. The business of chemistry makes renewable energy a reality by creating photovoltaic cells to generate solar power, lightweight blades to generate wind power, and battery technologies to store electricity that power our electric cars, computers, and cell phones. In the foreseeable future, the business of chemistry will be essential in the transition to a more sustainable economy.

Chemistry is the science behind sustainability.

SAFETY

Safety has long been a core value of the business of chemistry. You are five times safer working in a chemical plant than other manufacturing jobs. This statistic is rooted in rigorous safety procedures and best practices at manufacturing sites.

Each year, TCC recognizes facilities with exemplary safety performance and community outreach at our annual industry awards banquet.



working at a chemical plant than in any other type of manufacturing job.



Texas chemical manufacturers are committed to chemical facility security. U.S. chemical facilities have implemented comprehensive, multi-layered security programs, developed by safety and security experts and comply with the U.S. Department of Homeland Security Chemical Facility Anti-Terrorism Standards (CFATS). These standards ensure site security, transportation safety, and cyber security. Manufacturing facilities conduct vulnerability assessments, develop emergency response plans, and conduct coordinated drills with federal, state, and local regulatory agencies and emergency responders.

Aerosol Duster Air Conditioning Anesthesia Antibacterial Wipes Antiseptic Artificial limbs Auto Paint Awnings Baby Bottles
Balloons Bandages Bath Tissue Batteries Bean Bag Chairs Bed Bumpers Bed Linens Bed Pans Bed Railings Biohazard Disposal
Containers Blood Pressure Gauges Body Wash Boots Bottles Briefcases Buckets Cabinet and Drawer Pulls Gable Wires
Cameras Canes Caps Carpet Carpet Backing Castors Cell Phones Ceramic Vases Cereal Boxes Chairs Chairs Chocolate Bars
Clean Water Cleaning Supplies Clipboards Clocks Clorox* Wipes Coffee Filters Computers Concrete Briefcases Containers
Coolers Cosmetics Crayons Diapers Disinfectants Duct Tape Dustpans Ear Thermometers Emergency Medical Equipment

Exam Tables Eyeglasses Fertilizer Fire
Flags Food & Drink Packaging Garden
Hair Gel Hand Sanitizer Hand Soap
Hosiery Hospital Carts IV Bags Ketchup
Light Fixtures Lip Balm Lipstick Lotion
Cars Mattresses Medical Equipment
Flaps Name Badges Newspaper No

The chemical industry is essential to our society and the key to a brighter future.

Extinguishers Flag Poles Concrete
Sprayers Gloves Growth Charts
Handicap Guard Rails Herbicides
Kevlar* Laundry Detergent Legos*
M&M's* Magazine Racks Matchbox*
Mirrors Monitors Motor Oil Mud
Calorie Sweetener Orthopedic Shoes

Over-the-Counter Medications Pacifiers Paint Paper Paper Napkins Paper Towels Peanuts Pens Planters Playground Flooring Posters Post-it® Notes Prescription Medications PVC Pipe Racks Rakes Reflective Paint Refrigerator Coolants Safety Glasses Sandwich Bags Seatbelts Security Cameras Shampoo Shatterproof Glass Shaving Cream Sheet Flooring Shelving Shower Curtains Shower Stalls Sign Covers Signage Sneakers Soap Soap Dispensers Soap Sterile Packaging Soda Bottles Squeeze Balls Stainless Steel Tables Stethoscopes Stoppers Stretcher Rails Sutures Swing Sets Syringes Tables Tape Telephones Thermal Blankets Tire Sealer Tires Toilet Cleaner Tablets Toothbrushes Toothpaste Towels Toys Tubing Umbrellas Upholstery Utensils Videotapes Vinyl Blinds Vinyl Tile Flooring Vinyl-backed Mats Walkers Wall Protection Wallnaner Wash Rasins Washcloths Wastehaskets Water Hoses Wheelharrows Window Gleaner Windows Wristwatches X-raus

ompetitiveness Issues

TCC's mission is to maintain a globally competitive environment for the chemical industry in Texas in a manner that is positive for the state and its citizens. TCC's active participation in the Texas legislative process is critical to that endeavor. TCC's legislative priorities represent our efforts to ensure that legislators and Texans understand the essential role that chemistry plays in our everyday lives.

Our priorities for the 89th Legislature span a variety of issues, including taxes, civil justice reform, transportation and infrastructure, energy, workforce development, environmental stewardship, site security, and emergency management.

TAXES

TCC supports a broad-based tax system that is equitable for all taxpayers and encourages the state to remain competitive.

Texas has the seventh highest property tax rate in the United States, making property tax policy an important priority for capital-intensive industries. TCC supports uniformity and transparency in the property tax appraisal process. TCC supports property tax relief that benefits all taxpayers through rate compression or uniform appraisal relief that benefits homeowners and businesses alike.

TCC supports tax incentives by local taxing authorities to attract new and expanding business investment and job creation in their communities. Because of Texas' high property tax rate, economic incentives are necessary to attract capital-intensive businesses and keep Texas competitive with other states.

Research and development (R&D) is the critical first phase in pioneering the products and solutions that power the Texas economy. Smart incentives that attract and encourage R&D have been central to keeping Texas competitive with other

states and nations. To that end, TCC supports the continuation of the state R&D franchise tax credit, along with administrative changes to align the franchise tax credit more closely with the IRS tax code. By fostering a policy environment that supports R&D, Texas can continue attracting manufacturing investment and creating jobs that result from this vital work.

CIVIL JUSTICE

TCC supports a fair and balanced civil justice system in Texas that fosters a strong and vibrant business climate. TCC opposes legislation that allows for frivolous lawsuit abuse.

TCC supports private industry's ability to self-determine business and hiring decisions based on free market principals and opposes government intervention into day-to-day operations.

TRANSPORTATION & INFRASTRUCTURE

As Texas continues to grow, transportation infrastructure is vital to meet the needs of businesses and motorists. TCC supports transportation and infrastructure projects to ensure the safe and efficient transportation of products on Texas roadways, railways, waterways, and pipelines.

We support federal funding to widen and deepen our Texas ports to accommodate the efficient movement of cargo in and out of our ports and keep our ports globally competitive.



WORKFORCE & EDUCATION

The Texas chemical industry, which supports over 500,000 Texas jobs, creates a high demand for skilled workers to build, operate, and maintain large-scale manufacturing facilities. It is important that Texas maintain a pipeline of educated and skilled workers to meet the workforce demands of Texas employers.

TCC members work closely with local school districts, colleges, and universities to develop curriculum and provide resources to prepare our youth for high paying career opportunities in our industry.

TCC supports the transition of community college funding from an allocation-based formula to an outcomes-based formula. TCC works closely with community colleges in industrial communities to ensure a curriculum that prepares students to learn required skills and earn certifications needed to secure quality industry jobs.





ENERGY

The business of chemistry uses natural gas as both a feedstock and for electric generation. Our industry is dependent on a competitively priced and diverse energy supply. TCC supports the production of sustainable energy sources, including natural gas, nuclear, and renewables.

Winter Storm Uri in 2021 prompted the Legislature and the Public Utility Commission (PUC) to consider changes to the existing Electricity Reliability Council of Texas (ERCOT) electricity market design. The long-term reliability of the ERCOT grid is critical to the operations of our industry and the safety of our employees. We support market design proposals that contain real reliability improvements and enhanced dispatchable generation at affordable rates for all consumers.

TCC supports the conservation of energy sources where feasible and balancing environmental concerns with energy production and usage, specifically with regard to the construction of energy efficient, high performance commercial buildings and residential homes. TCC supports policies that utilize advanced products that achieve greater energy efficiency and meet performance-based building standards rather than prescriptive building programs that are not evidence based.

TCC supports incentives for industry investment in carbon capture technologies and opportunities for permanent carbon sequestration in Texas.

ENVIRONMENT

Air Quality

TCC supports science-based, cost-efficient technology controls designed to comply with all air quality standards required by the Federal Clean Air Act. TCC strongly supports efforts to achieve further emissions reductions from mobile sources that are only regulated at the federal level. TCC continues to support funding for programs aimed at reducing mobile source emissions, such as the Texas Emissions Reduction Plan (TERP). TERP is the only state tool to reduce mobile source emissions in nonattainment areas and helps our state comply with federal ozone standards.

Water

TCC supports water policies that ensure a reliable water supply to meet the current and future needs of all Texans and advocates for the protection of existing water rights. TCC supports the responsible development of new water supply and storage projects such as desalination, reservoirs, and aquifer storage. TCC supports a dedicated funding stream for new water supply and water infrastructure improvements. TCC opposes any inequitable water usage fees to fund water programs in the state. TCC also opposes any efforts to reallocate existing water rights or mandates to curtail water use in a manner inconsistent with current law.

Regulation & Enforcement

TCC supports science-based regulations that are protective of human health and the environment and that provide predictability and regulatory certainty for Texas businesses. TCC opposes legislation that places additional regulatory requirements or restrictions on the business of chemistry without appropriate scientific research.



Recycling

Texas has been a leader in advanced recycling, becoming one of the first states to pass legislation in 2019 to establish a framework for advance recycling technologies. In 2021, the Texas Legislature expanded the scope of advanced recycling technologies to improve recycling in our state. The next step is to modernize Texas' recycling infrastructure to reduce waste by improving the collection and separation of all recyclable materials and create a more circular economy for plastics and other materials. TCC supports state funding and economic incentives to promote new recycling technologies that will improve recycling infrastructure and increase sustainability in our state.

COASTAL SPINE - PROTECTING PEOPLE AND PROPERTY

TCC supports progress on the coastal barrier, or "Coastal Spine," to protect the Texas Gulf Coast from storm surge associated with hurricanes and major weather events. TCC supports efforts to secure federal funding for the design and construction of a Texas Coastal Spine.



istoric Texas Roots... Essential to Our Future

The business of chemistry in Texas began in a significant way at the onset of World War II. Large scale integrated factories were built to convert raw materials such as refined crude oil, natural gas, and even sea water and salt into critical products necessary for the war effort, including magnesium for airplanes, synthetic rubber for tires, and nylon for parachutes.

Rapid expansion of the chemical industry followed World War II as production turned to the post-war consumer age fueled by innovations in chemistry and science creating thousands of new consumer products benefiting modern society. By the 1960s, the chemical industry was established as a key economic engine for the Texas economy and remains so today. Our industry provides hundreds of thousands of high-paying jobs, contributes over \$2 billion in annual tax-base, and manufactures over 70,000 products used in our homes, our cars, the clothes we wear, the food we eat, healthcare products and medicines we use, sports and recreation, and many other consumer products that improve our quality of life on a daily basis. In short, we live longer, safer, cleaner, smarter, happier, and more comfortable lives because of the thousands of products and materials manufactured by the business of chemistry throughout our great state and across the globe.

The business of chemistry uses scientific innovation to improve the quality of life for people around the world.

Spindletop was discovered in 1901. The discovery of oil in Texas helped to launch chemical manufacturing in the state.









Texas Chemistry Council

The Texas Chemistry Council is a statewide trade association of chemistry technology manufacturers in Texas. Our member companies produce vital products for our way of life, fulfill educational and quality-of-life needs, and provide employment and career opportunities for over 75,000 Texans at more than 200 manufacturing and research facilities across the state. Their combined economic activity sustains over 500,000 Texas jobs.

Organized in 1953, TCC was the nation's first state trade association to represent the chemical industry. The primary concern then was to present a unified position on new taxes proposed on the industry. As the business of chemistry grew in size and importance to Texas, TCC expanded its representation of industry in many other important areas such as environmental protection, health and safety issues, energy policy, and civil justice reform.

www.texaschemistry.org



Texas Chemistry Alliance

The Texas Chemistry Alliance (TCA) was founded in 1983 and has become a strong industry voice to protect and preserve the business of chemistry in Texas.

TCA is composed of more than 400 companies that share a symbiotic relationship with the Texas chemical industry. The association represents both large and small businesses, including chemical manufacturers, formulators, distributors, contractors, suppliers, and other service companies.

Combined, these companies represent one of the state's most important economic engines. TCA unites entire communities that are dependent on a strong and vibrant chemical industry in Texas.

www.chemistryalliance.org