



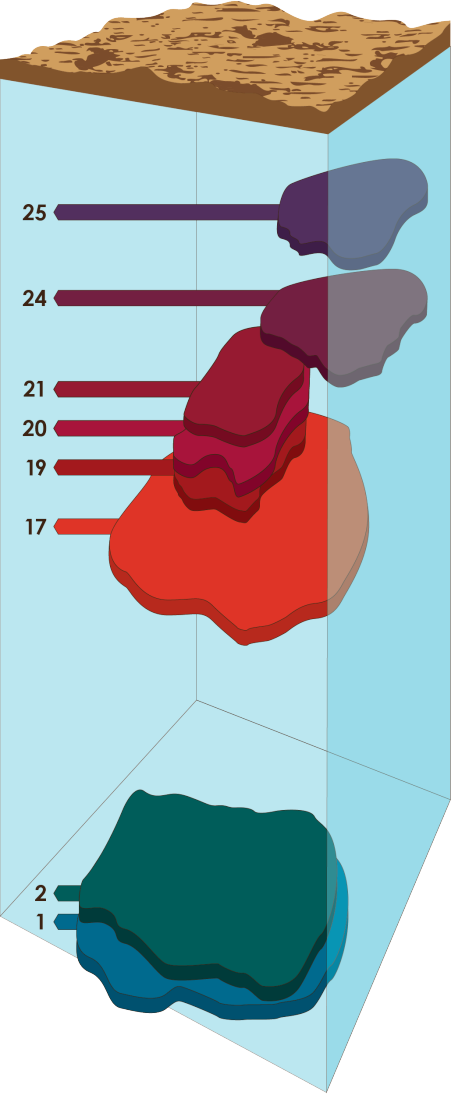
WYOMING'S **TRONA MINING** AND **SODIUM-BASED CHEMICAL** **MANUFACTURING**

2024-2025



ITS VITAL CONTRIBUTIONS TO THE STATE,
THE UNITED STATES AND THE WORLD

A PRECIOUS NATURAL RESOURCE



It's hard to imagine today, but **50 million years ago** southwestern Wyoming was **covered by a vast inland lake**. As the Earth evolved over the centuries – with major changes in temperature, humidity and rainfall – sodium, alkali and bicarbonate were transported to the lake by runoff water. As the lake evaporated, these minerals and soil settled at the bottom of the lake. The trona beds in **Sweetwater County**, Wyoming cover roughly 1,085 square miles in an area officially designated as the **Known Sodium Leasing Area (KSLA)**.

Although this bountiful deposit is not exactly gold, the **sodium carbonate** or **soda ash** within this natural storehouse has been coveted by consumers around the world for a whole host of products considered essential to everyday life for generations. **Roughly 90%** of the nation's soda ash is located here. The corresponding economic benefits to Wyoming and the United States from this high-demand natural resource cannot be overstated and its continuing supply for future generations is unrivaled on the planet.

200 BILLION TONS
of pure trona deposits

As shown above, the Wyoming deposit contains 25 separate beds of trona ore. At the current rate of production, Wyoming's trona reserves will last well over 100 years.

WYOMING TRONA INDUSTRY KEY STATISTICS



WORLD'S LARGEST
Concentration of SODA ASH FACILITIES



OVER 2,400
Direct Employees

90%
of domestic Soda Ash is produced IN WYOMING

WYOMING'S LARGEST
single export



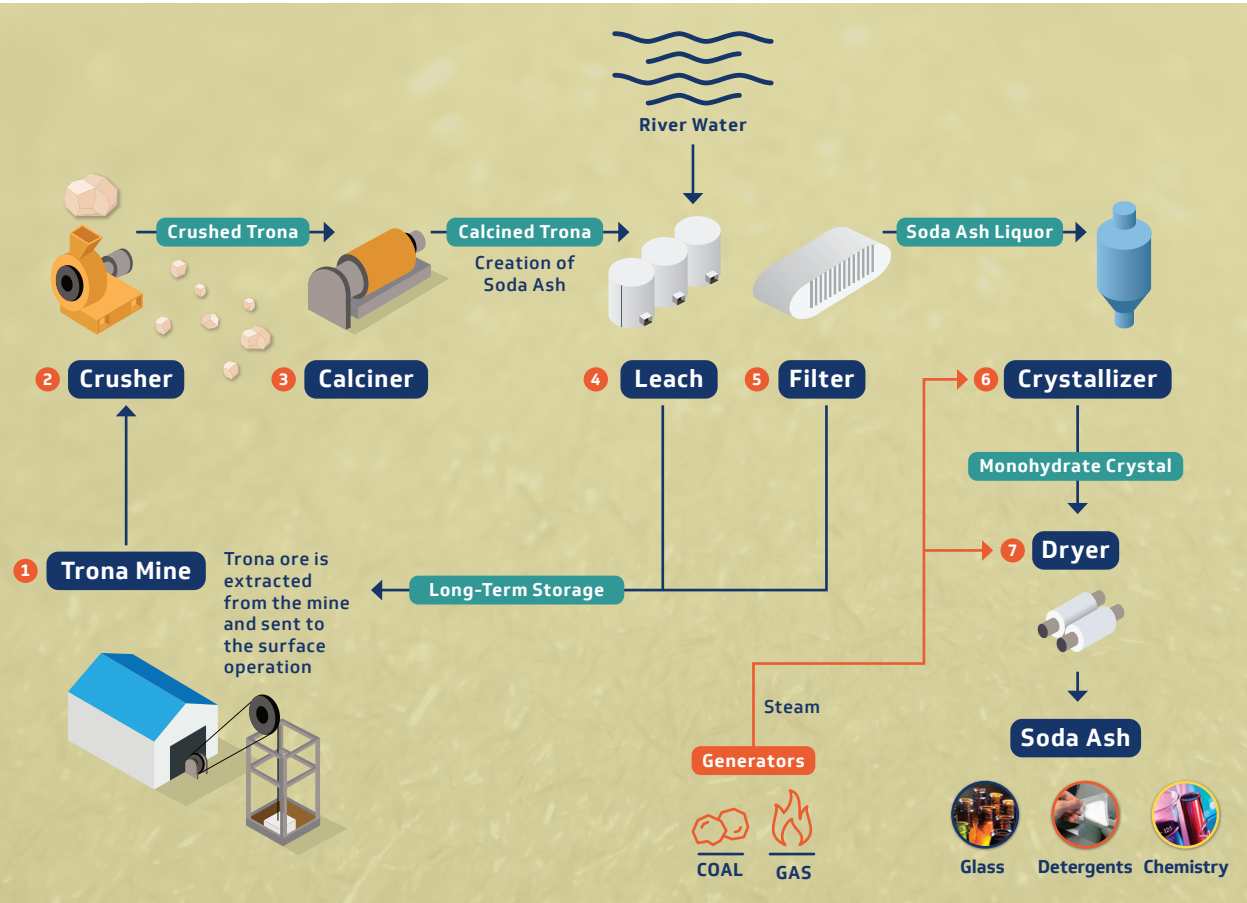
NEARLY 60%
of our production is exported



TRONA – AN AMAZING MINERAL WITH MANY USES



A naturally occurring mineral, trona is mined and processed into soda ash and bicarbonate of soda. It is a basic chemical building block used by industries throughout the world to make glass, food and pharmaceutical products. It is also effectively used to reduce air emissions. The diagram below shows how mined trona is refined into soda ash using the mono process.



SODA ASH AND SODIUM-BASED CHEMICALS ARE ESSENTIAL TO MAKING...

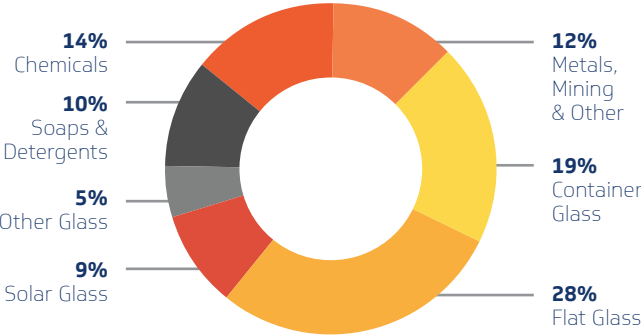


It is a certainty that trona-related products from Wyoming touch your life every single day.

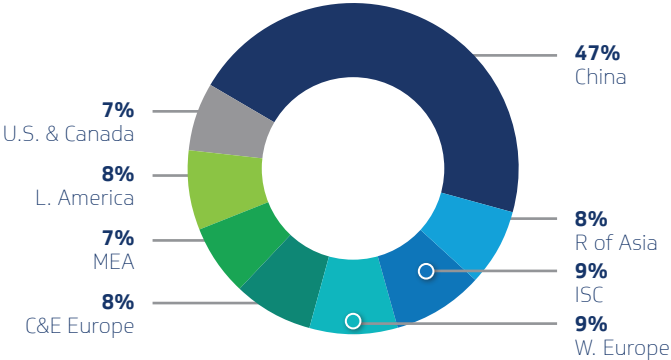
SODA ASH MARKETS



BY END USE

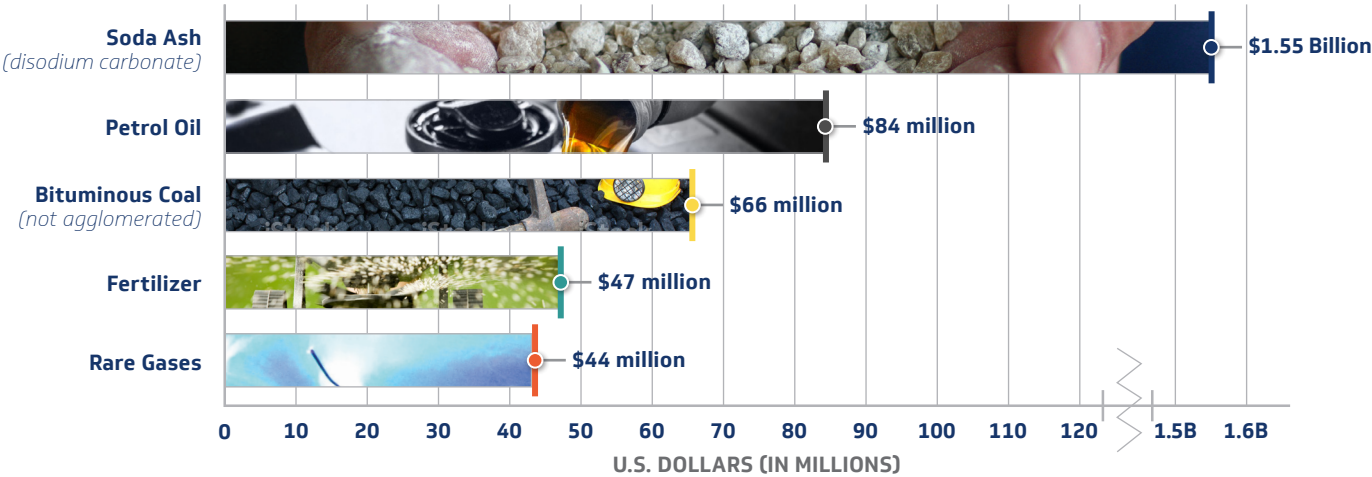


BY GEOGRAPHY



*Other includes mining, oil & gas, flue gas desulfurization, etc; Source: Chemical Market Analytics (CMA)

WYOMING'S TOP 5 GLOBAL EXPORTS



Source: oec.world

AMERICAN WORKER EMPLOYMENT & WAGES

Wyoming trona industry employs more than 2,400 people with an average payroll, including benefits, of over \$100,000 per employee and a cumulative annual payroll of more than \$450 million.

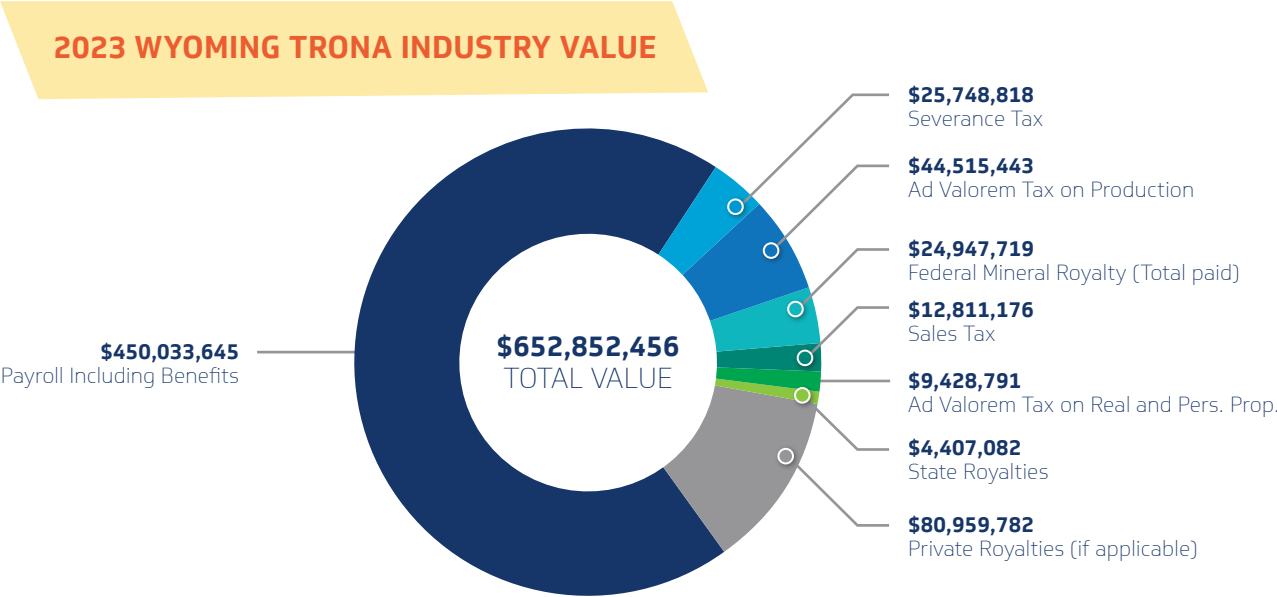


A GROWING INDUSTRY - A BRIGHT CAREER

Wyoming's trona industry is on the rise globally. As technology transforms efficiency, resource extraction is the beneficiary, as is the environment. It's an exciting time to be employed in the industry, and careers span the spectrum. As vertically integrated, value-added operations, the industry must employ a full team to ensure success including careers in: mining, chemical processing, mechanics, technology, accounting, engineering, marketing and sales, health, safety and environmental, human resources and corporate responsibility.



WYOMING TRONA INDUSTRY VALUE



Sources: 2024 WMA Industry Survey, 2023 Annual Report of the Wyoming State Inspector of Mines

INDUSTRY INVESTMENTS IN EMPLOYEES & ITS FUTURE



Being a world leader means driving for excellence. Best in class is not enough. It’s about leadership and constantly accepting the challenge to advance. Wyoming’s trona industry boasts world class operations with cutting edge technology. Investments in education enables industry to attract top talent. Recent partnerships with higher education – Western Wyoming Community College and the University of Wyoming – are designed with students at the forefront and how they become employment ready. Those same partnerships are also helping industry solve tomorrow’s problems today. Wyoming’s trona industry – leading the change!

COMMITMENT TO SUSTAINABILITY

Wyoming’s trona deposits have provided significant value to local governments in Southwest Wyoming, the federal government, and the State of Wyoming for more than 75 years. From modest beginnings, the industry has steadily innovated, invested, and grown. That investment continues today. With an eye towards the future, the industry is rapidly expanding operations, installing cutting-edge technology, increasing production in Southwest Wyoming, and ensuring facilities remain world-class. Within the decade and once fully operational, an estimated \$9 billion will have been invested and over 1,000 new jobs added, which will solidify Wyoming’s reputation as being the global leader in natural sodium-based chemical products.

Wyoming soda ash is already the most environmentally sustainable form of production in the world. But, sustainability is more than responsible production. It is an obligation to people and place. Advancements in technology, combined with partnerships and research, are bolstering the industry’s commitment to the environment by further reducing emissions, increasing water conservation, and reclaiming critical wildlife habitat. For Wyoming’s trona industry, actions speak louder than words. Every day is a pledge to employees and communities alike to operate in a safe, reliable, and responsible manner.



CULTURE OF SAFETY – MORE THAN WORDS



Safety is a core cultural value for Wyoming’s trona mining industry, with a record that speaks for itself. Wyoming trona mines are recognized by the U.S. Department of Labor as some of the safest mining operations in the nation.

Safe mines are productive mines. The Wyoming trona industry is committed to providing a safe working environment for all employees and contractors. Each day, the most important resource extracted from the mines are the miners themselves.

- All new employees attend 40 hours of safety training prior to their first day on the job.
- All employees participate regularly in safety refresher training.
- Every shift starts with safety briefings and walk-around inspections.
- The Mine Safety and Health Administration monitors all Wyoming mines.



LOCAL ROOTS MATTER



The trona industry has a strong conservation and community ethic, taking great pride in its environmental accomplishments, commitments and philanthropic contributions.

With the increased focus on wildlife conservation in southwest Wyoming and the KSLA in particular, significant effort is underway to create and support voluntary natural resource conservation, stewardship strategies, scientific research and educational outreach. The trona industry is proud to support and partner with agencies in those efforts.

Local roots matter deeply to the trona industry and its employees. Collectively, the industry donates over \$1 million annually to local and Wyoming-based non-profits, including investments in higher education and health care. Embracing an ethic for civic engagement, trona employees also volunteer hundreds of hours each year to help improve the quality of life for people living in Sweetwater and Uinta counties.



WHERE ARE THE **DEPOSITS?**



Genesis Alkali

580 Westvaco Road
P.O. Box 872
Green River, WY 82935

307-875-2580

alkali.genesisenergy.com



Sisecam Wyoming LLC

254 County Road 4-6
Green River, WY 82935

307-875-2600

sisecam.com



Solvay Chemicals, Inc.

400 County Road 85
Green River, WY 82935

307-875-6500

solvay.us/en



Tata Chemicals Soda Ash Partners

324 Allied Chemical Road
Green River, WY 82935

307-875-3350

tatachemicals.com



WE Soda

1575 Dewar Drive
Suite 450
Rock Springs, WY 82901

wesoda.com

