



TOWN OF DRYDEN – BORGER STATION OPERATIONS

April 18, 2024

2023 Review



WHO WE ARE



CORE PRINCIPLES



CUSTOMER SERVICE



EMPLOYEE COMMITMENT



ENVIRONMENTAL RESPECT



FINANCIAL STRENGTH



OPERATIONAL EXCELLENCE



REGULATORY INTEGRITY


 **BHE GT&S**
A BERKSHIRE HATHAWAY ENERGY COMPANY

Berkshire Hathaway Energy



 PACIFICORP

 PACIFIC POWER

 ROCKY MOUNTAIN POWER

 BHE TRANSMISSION

 ALTALINK

 BHE U.S. TRANSMISSION

 BHE CANADA

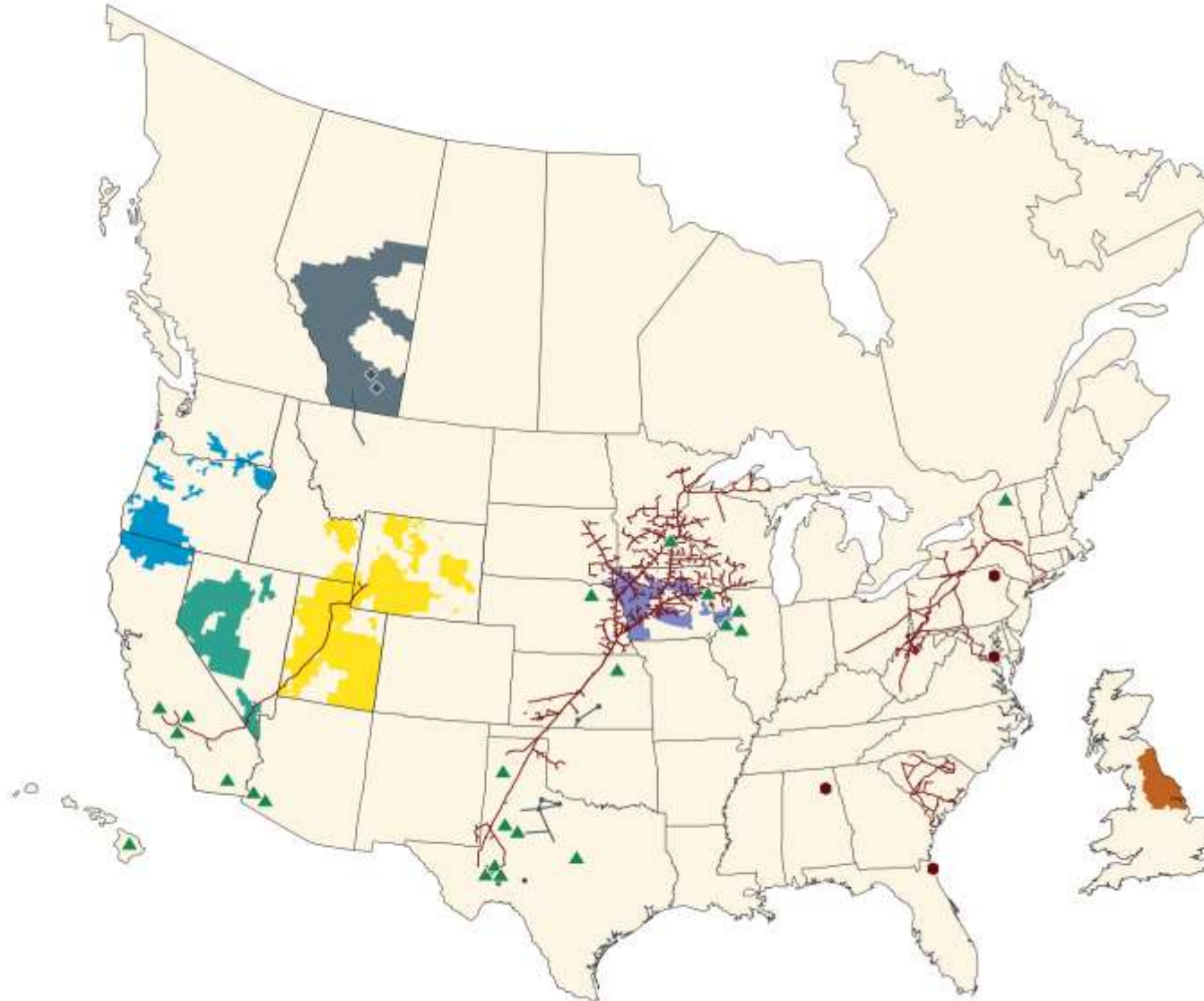
 MIDAMERICAN ENERGY COMPANY

 NV Energy

 NORTHERN POWERGRID

 BHE PIPELINE GROUP

 BHE RENEWABLES



- 13 million customers and end-users
- Top-rated service provider within the industry



- Pipeline Group has best OSHA Recordable Incident Rate in past three years.



- Pipeline Group has industry leading methane intensity rate of 0.027 %

BHE Renewables in West Virginia



- Construction of a titanium melt facility for the aerospace industry
- First of its kind solar powered microgrid with onsite battery factory



- \$137.8 billion in total assets
- Exceptional cyber and physical protection



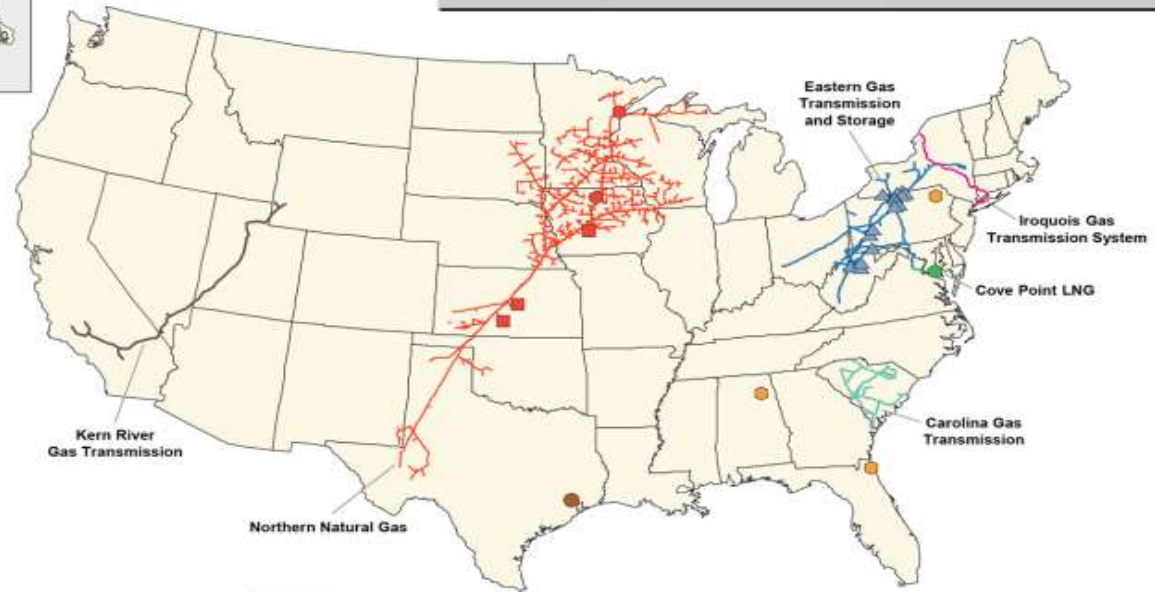
- 2023 operating revenue > \$25.6 billion
- 2023 Real Estate Transactions: 239,291

BHE Pipeline Group



Cook Inlet Natural Gas Storage Alaska

Transportation Capacity	21.0 Bcf
Owned Storage Capacity	385 Bcf
Miles of Pipe Operated	21,300 miles
Total Compression	2.1 million HP



Kern River Gas Transmission
— Pipeline

Northern Natural Gas

— Pipeline

● LNG Facility

■ Underground Storage Facility

Cook Inlet Natural Gas Storage Alaska (26.5%)

■ Underground Storage Facility

Cove Point LNG (25%)

— Pipeline

● LNG Terminal

Eastern Gas Transmission and Storage

— Pipeline

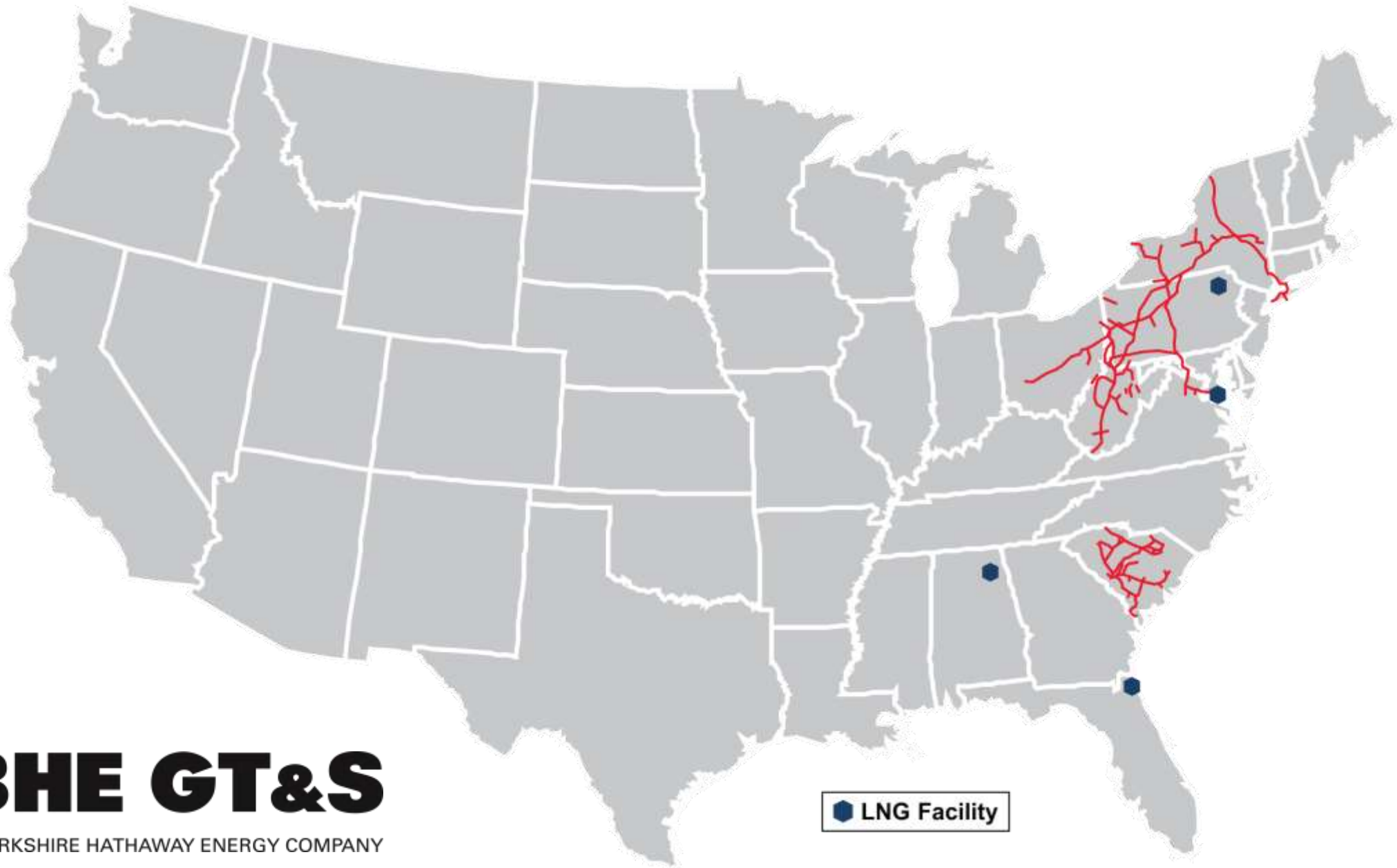
▲ Storage Facility

Carolina Gas Transmission

— Iroquois Gas Transmission System (50%)

● Modular LNG Holdings

● BHE Compression Services



 **BHE GT&S**
A BERKSHIRE HATHAWAY ENERGY COMPANY

 LNG Facility

Eastern Gas Transmission & Storage

Who We Are

BHE GT&S, through its local operating company Eastern Gas Transmission and Storage (EGTS), provides gas transportation and storage services with one of the largest underground natural gas storage systems in the United States with 756 bcf of storage capacity.

Headquartered in Bridgeport, West Virginia, this multi-state pipeline system links to other major pipelines and to markets in the Midwest, Mid-Atlantic and Northeast regions.

We safely maintain nearly 3,600 miles of pipeline in six states: Ohio, West Virginia, Pennsylvania, New York, Maryland and Virginia. We reliably supply natural gas for large customers, such as major utilities and power plants, and to local distribution companies to heat homes, hospitals, nursing homes, & run small businesses.



EMISSIONS DATA



Borger Replacement Project

Borger 2/3 Replacement Project – In Service February 2022



**OPERATIONAL
EXCELLENCE**

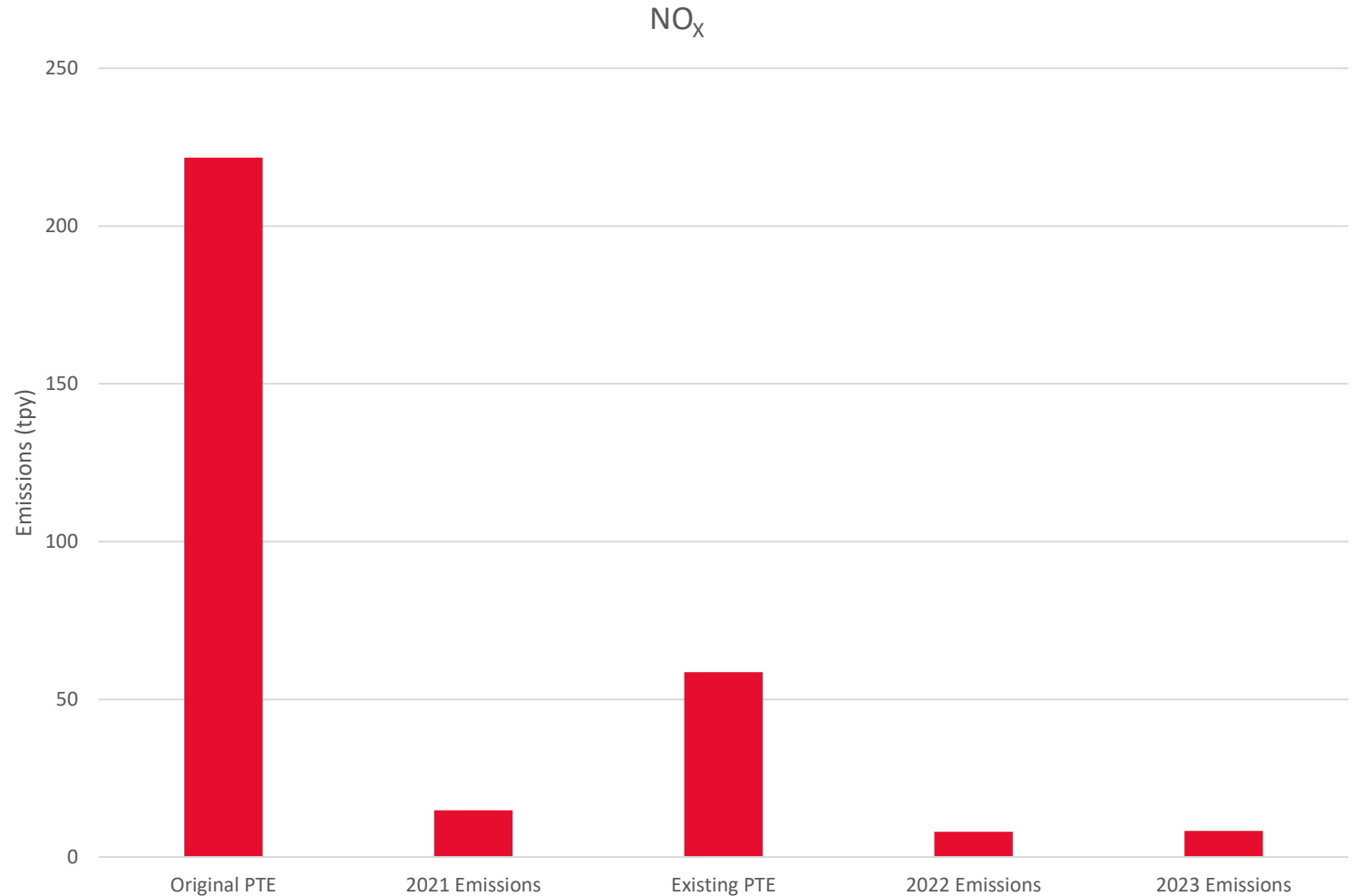
- ✓ Replaced two (2) existing turbines with more efficient new units that reduced air emissions.
- ✓ Installed an oxidation catalyst on an existing turbine to further reduce air emissions.
- ✓ Installed three (3) new microturbines.
- ✓ Replaced blowdown silencers/vents to allow for capped emergency shutdowns to further reduce air emissions.
- ✓ Replaced an aging boiler system and installed other minor station piping and updates

Emissions - NO_x

In atmospheric chemistry, NO_x is a generic term for the nitrogen oxides that are most relevant for air pollution, namely nitric oxide (NO) and nitrogen dioxide (NO₂).

These gases contribute to the formation of smog and acid rain, as well as affecting tropospheric ozone.

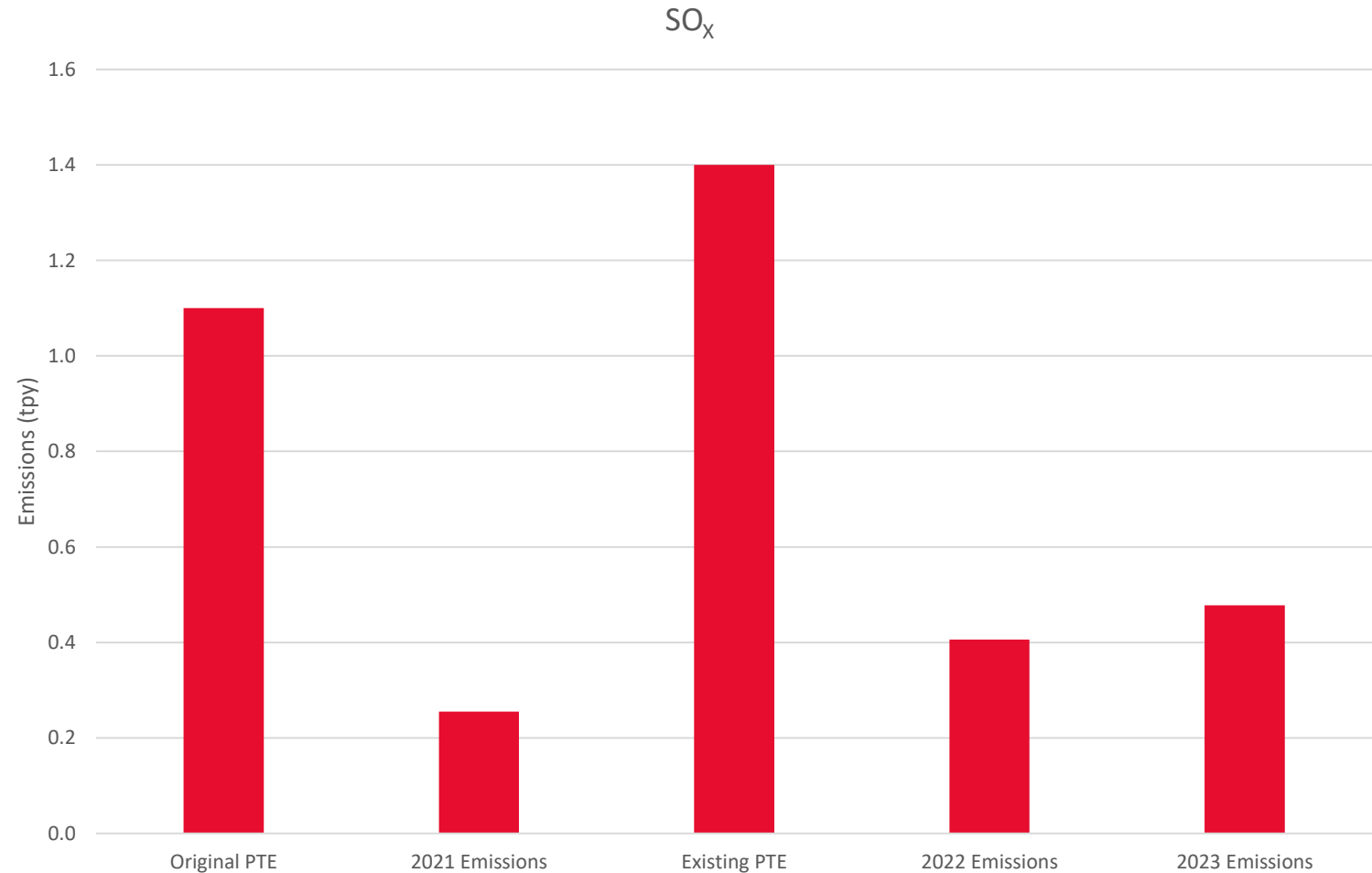
PTE = Potential to Emit



Emissions - SO_x

Sulfur oxides (SO_x) are compounds of sulfur and oxygen molecules. Sulfur dioxide (SO₂) is the predominant form found in the lower atmosphere.

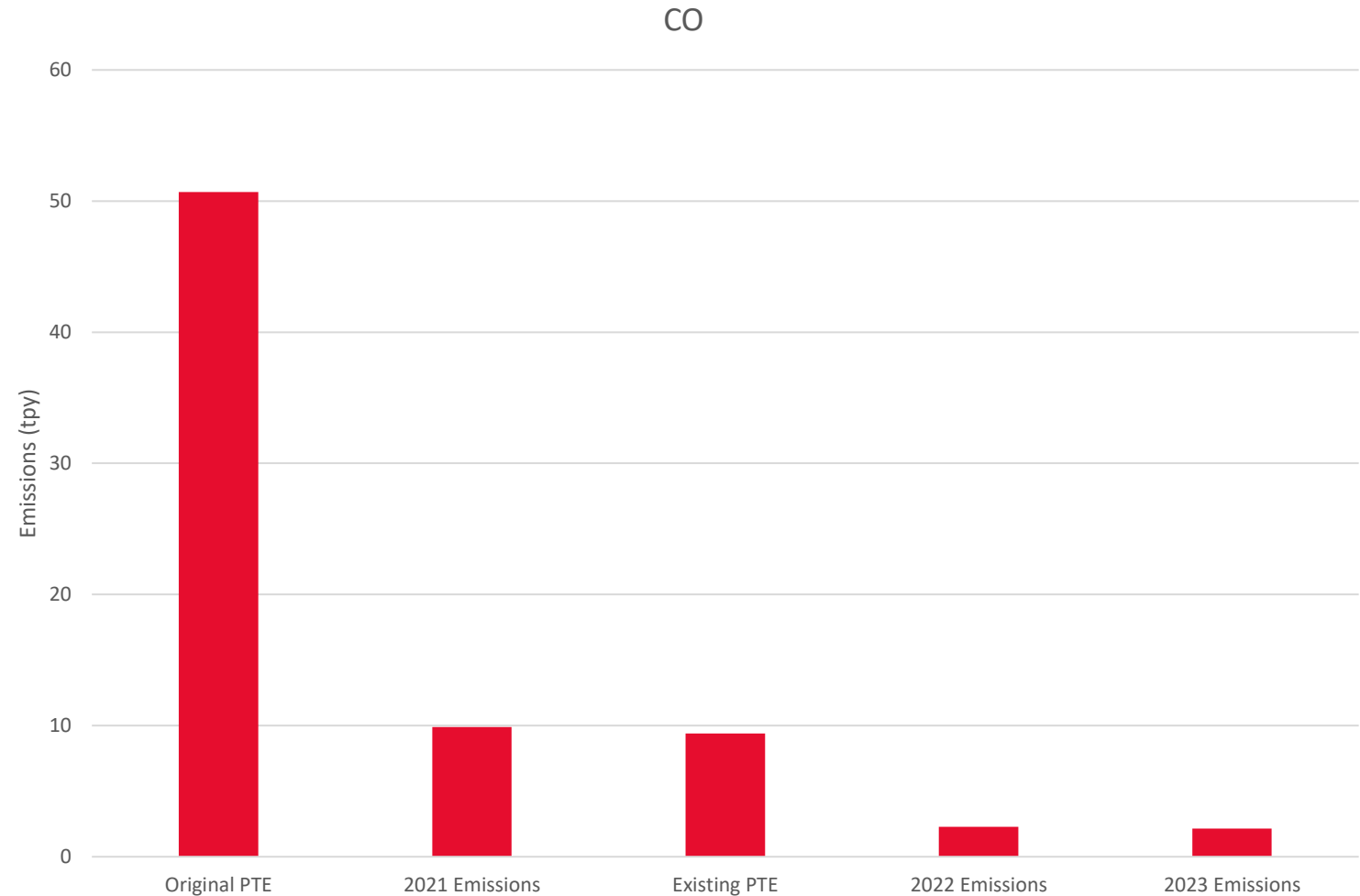
It is a colorless gas that can be detected by taste and smell in the range of 1,000 to 3,000 micrograms per cubic meter (µg/m³).



Emissions - CO

CO is a colorless, odorless gas that can be harmful when inhaled in large amounts. CO is released when something is burned. The greatest sources of CO to outdoor air are cars, trucks and other vehicles or machinery that burn fossil fuels.

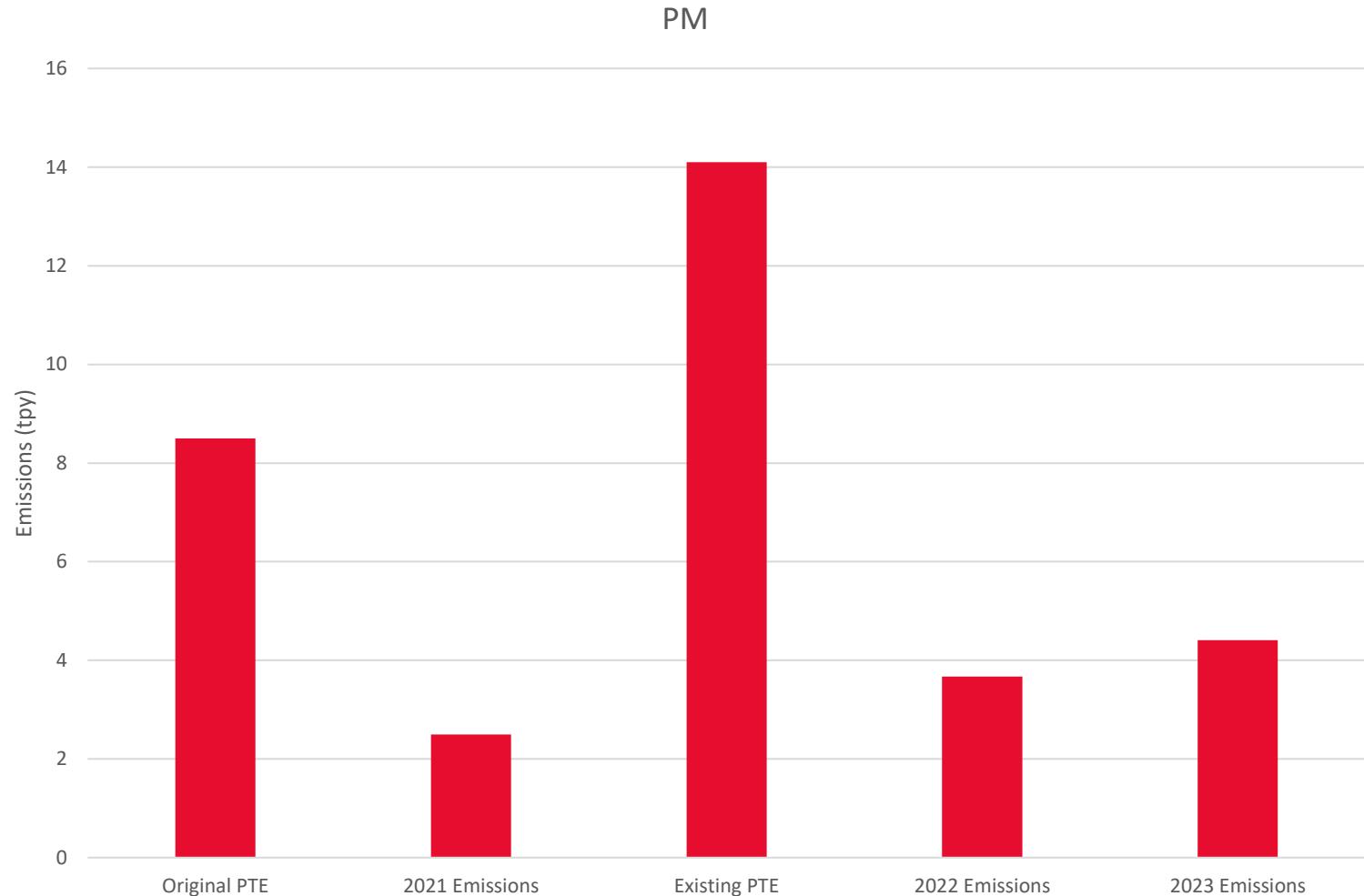
A variety of items in your home such as unvented kerosene and gas space heaters, leaking chimneys and furnaces, and gas stoves also release CO and can affect air quality indoors.



Emissions - PM

“Particulate matter” (PM) is the general term used to describe solid particles and liquid droplets found in the air. The composition and size of these airborne particles and droplets vary.

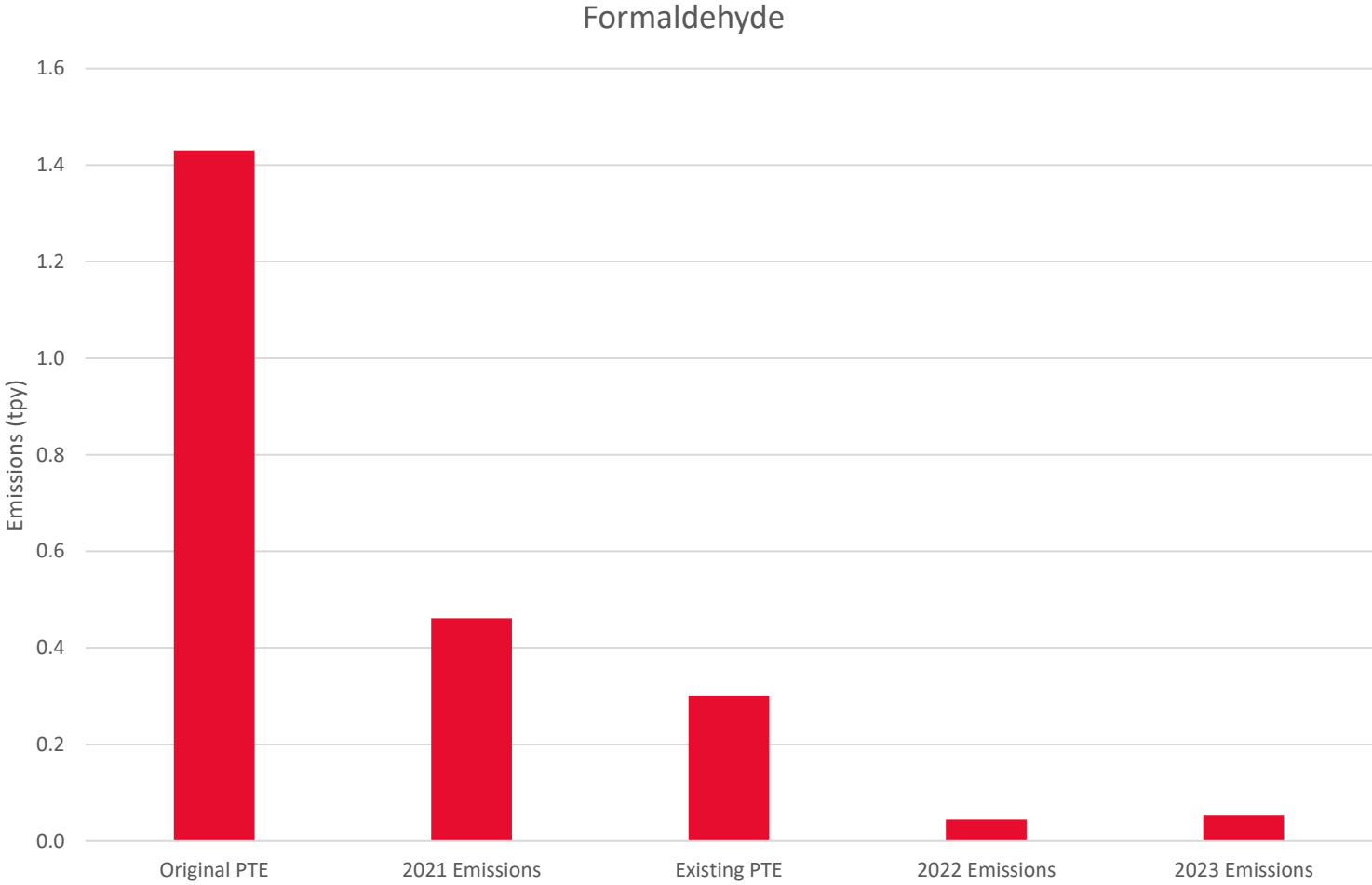
PM can be emitted directly or formed in the atmosphere. “Primary” particles are those released directly to the atmosphere. These include dust from roads and black and/or elemental carbon from combustion sources.



Emissions – Formaldehyde

A colorless, pungent-smelling gas; an important hazardous air pollutant.

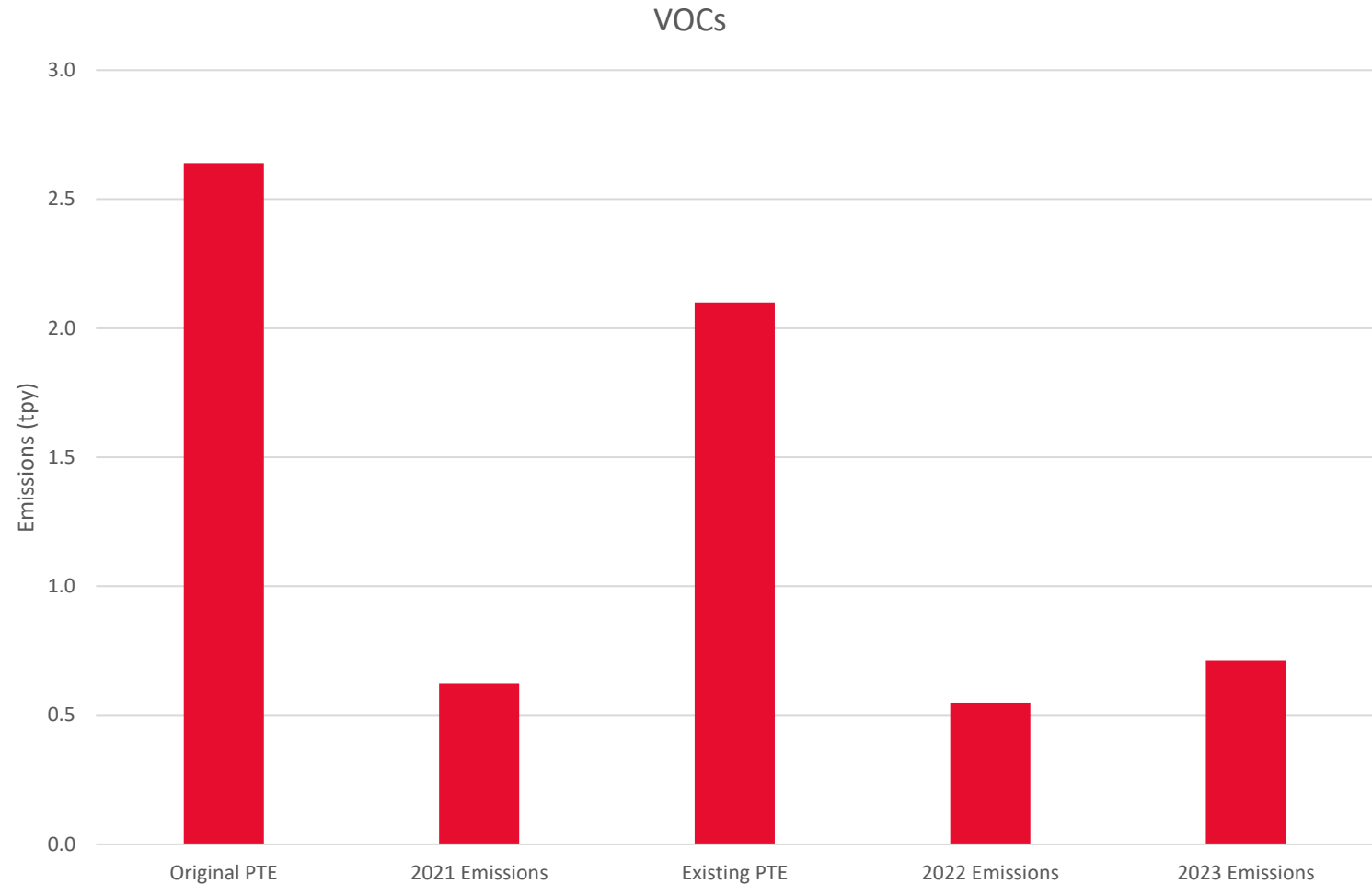
Sources include environmental tobacco smoke and other combustion sources; pressed wood products (such as particle board); and certain textiles, foams, and glues.



Emissions - VOCs

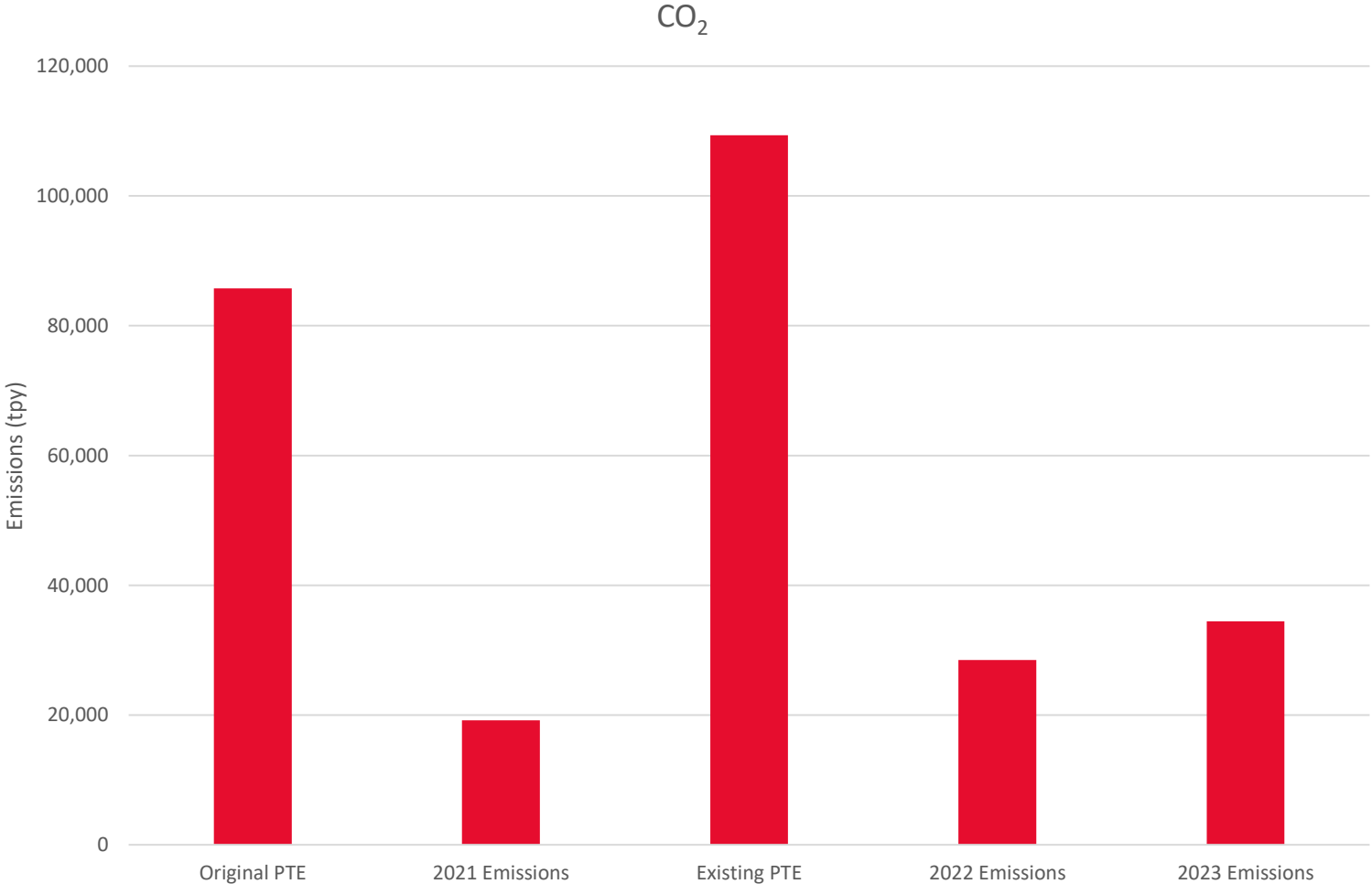
Volatile organic compounds, **VOCs** for short, are a common type of EPA-regulated drinking water contaminant.

Even today, **VOCs** can be found in a number of products that are used on a daily basis, like paint thinners, pesticides and insect sprays.



Emissions – CO₂

Carbon dioxide is an acidic colorless gas with a density about 53% higher than that of dry air.

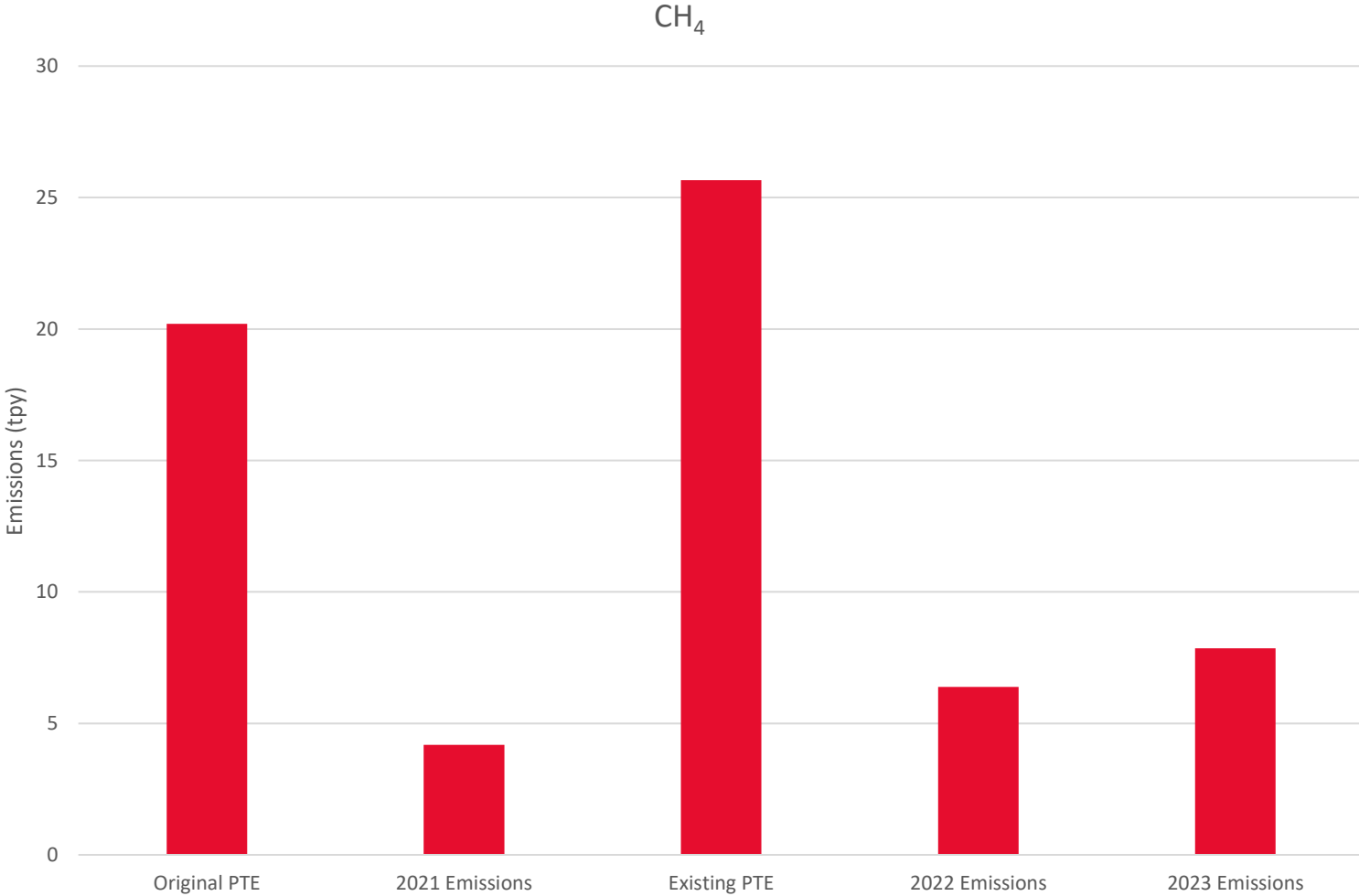


Emissions – CH₄

Methane is a colorless, odorless gas that occurs abundantly in nature and as a product of certain human activities.

Natural Gas is a naturally occurring mixture of gaseous hydrocarbons consisting primarily of methane (97%).

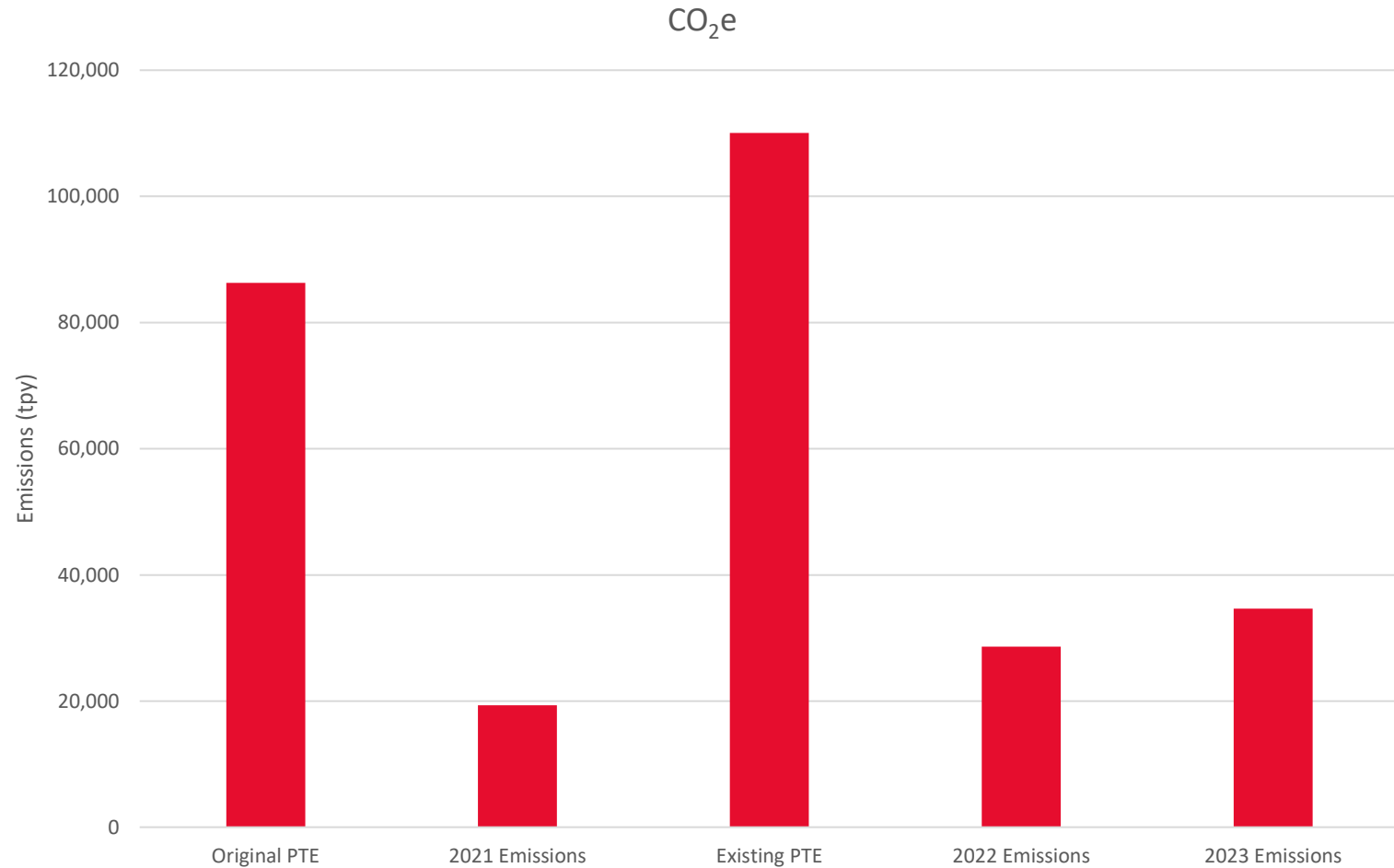
BHE GT&S has a methane intensity rate of 0.021%, which is one of the best in the industry.



Emissions – CO₂e

CO₂e is the shorthand for carbon dioxide equivalents.

It is the standard unit in carbon accounting to quantify greenhouse gas emissions

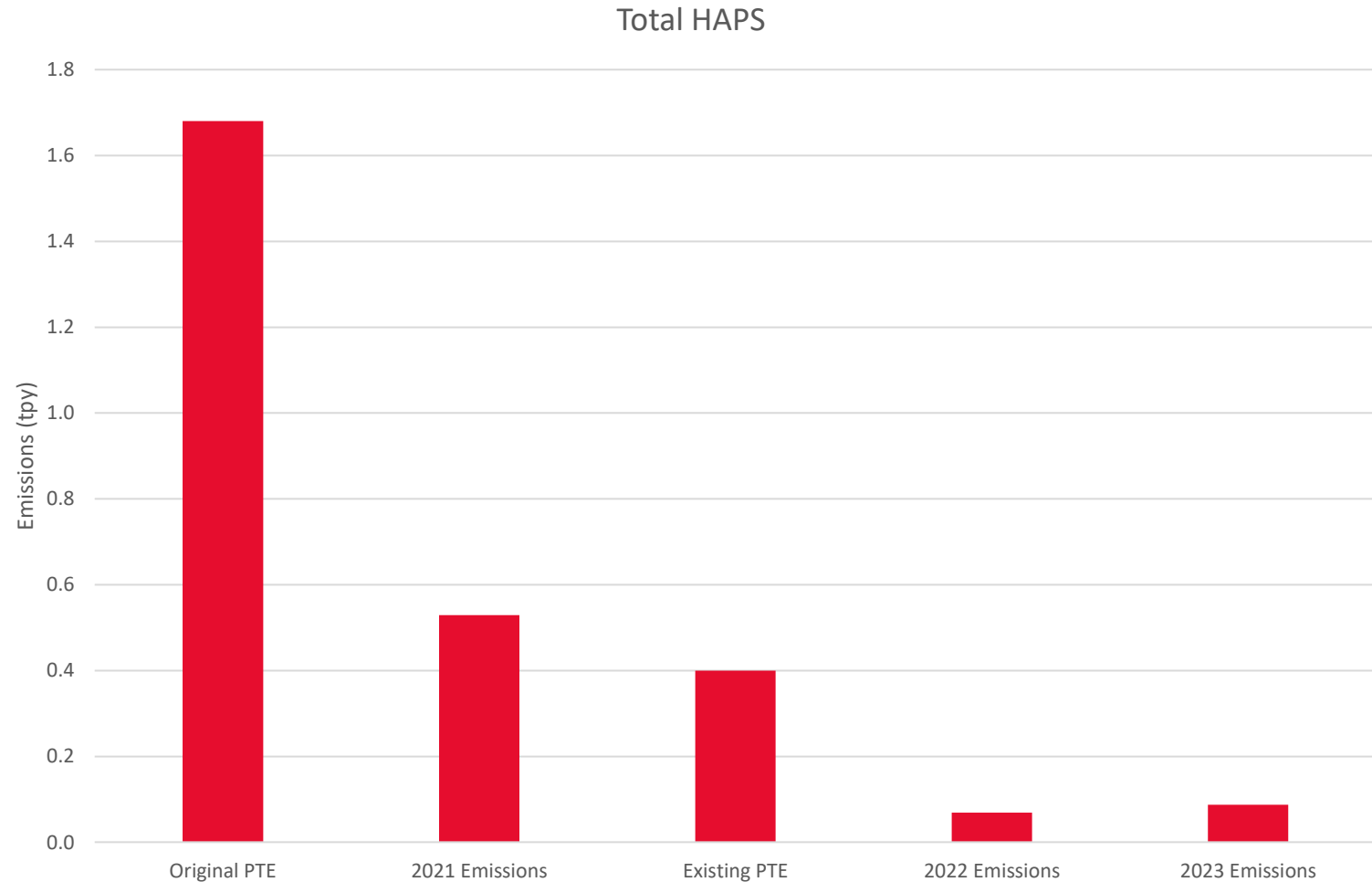


Emissions Reductions – Total HAPs

Hazardous air pollutants, also known as toxic air pollutants or air toxics.

Examples of toxic air pollutants include

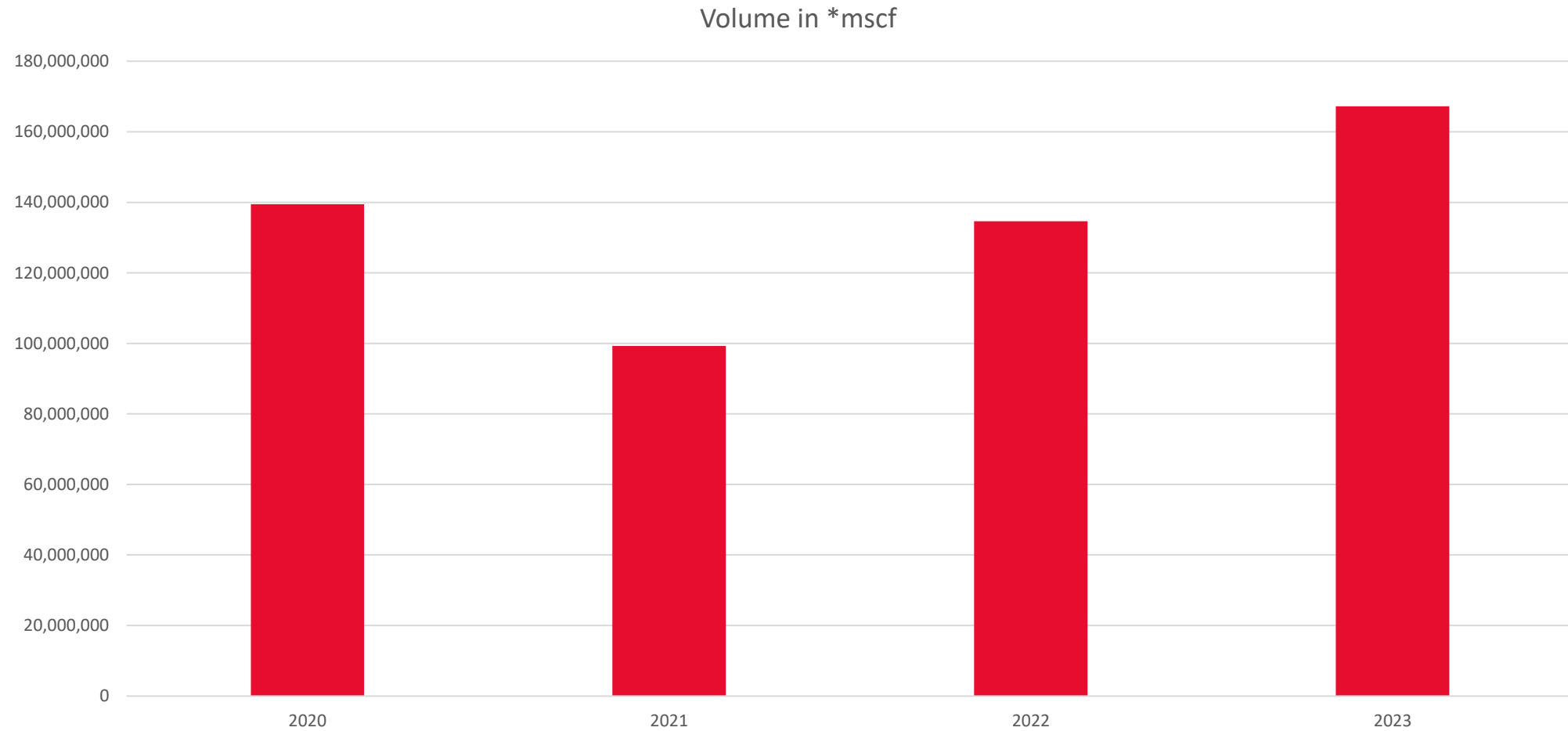
- **benzene, which is found in gasoline;**
- **perchloroethylene, which is emitted from some dry cleaning facilities; and**
- **methylene chloride, which is used as a solvent and paint stripper by a number of industries.**



HOW MUCH NATURAL GAS?



Natural Gas Pumped at Borger Station



**OPERATIONAL
EXCELLENCE**

**mscf = thousands of standard cubic feet of gas*



CORE PRINCIPALS



BHE Environmental Respect



**ENVIRONMENTAL
RESPECT**

BHE Pipeline Group continues to reduce and avoid methane emissions. In 2023, BHE Pipeline Group's lowered its combined leak rate to 0.027%, which is 90% lower than the average methane emissions rate of 0.26% for the transmission and storage segment of the natural gas industry.

As a leading energy provider, we remain committed to using natural resources wisely and protecting our environment for the benefit of future generations. Our Environmental RESPECT Policy details this commitment in the areas of Responsibility, Efficiency, Stewardship, Performance, Evaluation, Communication & Training.



Record Setting Winter Performance



**OPERATIONAL
EXCELLENCE**

Volumes record

- During a cold spell in January, Eastern Gas Transmission & Storage set several records for natural gas handled, which is the total volume of gas transported to and from customers on its system. EGTS observed five days over 8 billion cubic feet (bcf), with a high mark of 8.3 bcf on Jan. 20. The previous record was 7.9 bcf in February 2023.
- Three consecutive days over 8 bcf of gas handled resulted in the highest-ever peak three-day average, topping out at over 8.1 bcf per day.

Other Achievements:

- BHE GT&S system production is up more than 10% year over year.
- On February 15, Cove Point set a new daily production record of 900,206 dekatherms (dth), which is 109.3% of design, surpassing the previous record of 897,295 dth produced on March 12, 2023.
- On February 16, Cove Point surpassed the previous day's production, setting another new record of 909,745 dth, which is 111.6% of design.
- EGTS deliveries to power generators are up over 8% compared to last year.
- The environmental team received no notices of violation from an external regulatory agency during this time frame.



Award Winning Customer Satisfaction



MASTIO recently published the 2024, 28th Edition of the industry-wide Natural Gas Pipeline Customer Value / Loyalty Benchmarking Study.

BHE Pipeline Group again finished with the top ranking in the Major Organizational Group category in the latest edition of the Mastio & Company Customer Satisfaction Survey.

The Mastio & Company pipeline customer satisfaction survey is conducted annually and is considered by many in the industry as a benchmark of pipeline customer service. BHE Pipeline Group has finished in first place for 19 consecutive years.

In the Mega category, grouping together the largest pipelines that the study examines, Northern Natural & EGTS were ranked 1st and 2nd. Kern River and CGT won 1st and 2nd prize in the regional category.

Among the 38 interstate pipelines in the survey, Kern River was ranked first, Carolina Gas Transmission ranked second, Northern Natural Gas was third, and Eastern Gas Transmission was fourth among the pipelines tallied in the survey.



Employee Commitment & Philanthropy



The people who work at BHE GT&S aren't just employees—they're community members and recognize the importance of contributing through volunteer work. Volunteering is a value deeply embedded in our company's history, and each employee receives paid volunteer time every year to pursue the community work they're passionate about. This might mean serving at a local food bank or providing meals to the elderly, helping to deliver holiday toys to children, cleaning up our environment, or mentoring young people.

Our employees are also active volunteers outside of work, where they serve as leaders in their communities, on boards of non-profits and leading community civic activities. Beyond supporting our employees through leave time, we also provide matching funds.

At BHE GT&S, we have a broad footprint, but a focus on positive local impact. Our long history of investment in our communities includes donating our time as well as our funds to support the many important organizations and services that help a community thrive. In 2023, BHE GT&S awarded over \$800,000 in grants to worthy non-profit and community-based organizations, including a \$30,000 award to the Town of Dryden for its Dryden Rail Trail Phase 2 project.



Thank you

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