



SUSTAINABILITY AT CALUMET

Calumet is committed to improving the world through common-sense advancements in sustainability. We use our resources to develop solutions that meet the needs of today’s world. The three pillars of our sustainability strategy are **integrity**, **innovation** and **process improvement**.



Integrity means doing what’s right for our customers, for our team, for our communities and for our planet. We endeavor to be a company that people want to work for and work with; a company people want in their neighborhood.



Innovation is how we partner with our customers to find the best solutions for today’s sustainable product needs. Our team works to find environmentally friendly formulations and packaging that don’t sacrifice quality.



Carbon reduction through **process improvement** is one way we can contribute to the betterment of our world. By investing in equipment upgrades, improving the reliability of our operations and reducing waste, we strive to be efficient and responsible.



IMPROVING THE WORLD AROUND US

At Calumet, we intend to be an efficient and reliable operator while also being environmentally responsible. Being at the forefront of technological advances means that, over the years, we have developed numerous products that focus on quality, safety and biodegradability.

- **Orchex®** Agricultural Spray Oils offer superior protection to crops from pests, diseases and weeds without harming humans. Calumet is on the federal taskforce to ensure honeybee pollinators are safe.
- **Versagel® SQ** uses an Ecocert-certified squalane derived from sugar cane.
- **TitanWax™** candle blends are formulated with plant-based waxes.
- **CalEster T™** is a lubricant base product derived from renewable sources and is on the EU Lubricant Substance Classification list (LuSC list).*
- Calumet **solvents** used in paints and coatings are California and EPA LVP-VOC compliant.
- Calumet **asphalt** is 100 percent recyclable in both paving and roofing applications, resulting in no future GHG release into the atmosphere.
- Calumet produces **ultra-low sulfur gasoline** (tier 3) that is 65 percent cleaner than the allowable EPA restriction across our plants.

*The EU Lubricant Substance Classification list (LuSC list) is a list of substances and brands that have been assessed for sustainability.



ROYAL PURPLE® MAX-RESTORE™ HIGH MILEAGE FUEL SYSTEM TREATMENT

We launched our newest innovation — Max-Restore High Mileage Fuel Treatment — in January 2023.

Backed by rigorous testing, the Max-Restore High Mileage Fuel Treatment is proven to:

- Restore fuel economy up to **5.9%**
- Lower emissions up to **14.8%**
- Reduce wear by lubricating key fuel system parts and extending engine life
- Restore injector flow up to **78.5%**

PACKAGING SUSTAINABILITY PROJECT

A reduction of more than 40% packaging material weight by moving from one-quart containers to a five-quart container.



BIO MAX™

High Performance Environmentally Acceptable Lubricants

Royal Purple's BioMax™ lubricants are high-performance, environmentally acceptable lubricants (EAL) formulated with renewable, readily biodegradable synthetic base stock and proprietary additives to provide superior lubrication, uncompromised protection, and performance for equipment in use in environmentally sensitive areas.





ENVIRONMENTAL ADVOCACY

RENEWABLE ENERGY FOR THE 21ST CENTURY

Montana Renewables is rapidly advancing national efforts to address climate change and reduce greenhouse gas emissions across the transportation and aviation sectors.

SUSTAINABLY FUELING FLIGHT

We are the largest producer of sustainable aviation fuel in North America. Sustainable Aviation Fuel (SAF) is a fuel designed to reduce the carbon footprint of the aviation industry.



15K

Permitted Renewable Fuel Capacity

(20KBD by 2025)



UP TO **30M**

Gallons of SAF Per Year in 2023



UP TO **250M**

Gallons of SAF Per Year by 2025

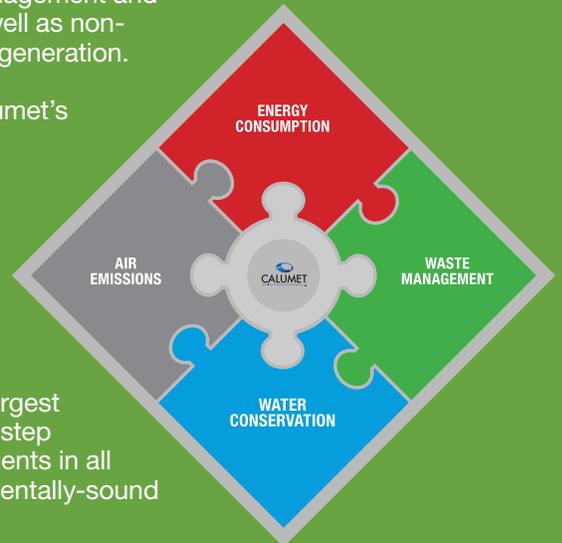


MINIMIZING OUR IMPACT ON THE ENVIRONMENT

Calumet's efforts to prioritize and protect the environment are focused on tracking and reducing energy consumption and air emissions (greenhouse gases), water management and conservation as well as non-hazardous waste generation.

As a result of Calumet's investment and continuous improvement efforts, all of our facilities are improving environmental performance.

Shreveport, our largest facility, has made step change improvements in all areas of environmentally-sound operation.



SUSTAINABILITY AT CALUMET

PRODUCT INNOVATION



TitanZeroTM
CARBON NEUTRAL WAX

CALWAXSOLTM
WAX DISPERSANT

PENCLEARTM
PETROLATUM

BIO MAXTM
High Performance Environmentally Acceptable Lubricants



PRODUCTS IN DEVELOPMENT

VERSAnatural
BLENDED GELS

EMERALD GREEN

NatSolTM
RENEWABLE SOLVENTS

BIOEsterTM
RENEWABLE BASE STOCKS

penNaturalTM
NATURAL EMOLLIENT

penbioTM
HYBRID EMOLLIENT

CALCHILLTM
IMMERSION COOLING FLUID

CALCYCLE
CIRCULAR STREAMS

We rely on our history, high standards, research and development, and innovation to create formulations that are customized to your needs and specifications. Through collaboration, Calumet can support you with sustainable and renewable options. If you want to learn more about our offerings, please contact your local Calumet sales professional or our Technical Support team.

Learn how we can partner together to turn your ideas into reality!

CALUMET IN NUMBERS

ENVIRONMENTAL IMPACT



Air Exceedances
-64% ↓



Waste Program Deviations
-71% ↓



Water Discharge Deviations
-21% ↓



Designated Spills and Releases
-21% ↓

PEOPLE



% of Key Leadership Roles Held by Women¹
25.8%



% of Key Leadership Roles Held by BIPOC¹
19.1%



% of Positions Filled Internally
18.2%



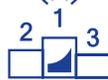
% of Eligible Employees Completed a Performance Review²
100%



Montana Renewables project completion
2.7 Mil.+ hrs worked
Lost-time events
0



Customer Satisfaction (CSAT)
87.8%
2021: 85.4%



NPS (Net Promoter Score)
51
2021: 47



% of Facilities with Zero Recordable Injuries
67%



Total Hours of Competence and Skills Training Completed in the Classroom
1,786

GOVERNANCE



% of Sites with a Crisis Management Plan in Place
100%



% of Employees Completed Training in Ethical Business Behavior
98.6%



of Material Breaches in Laws and Regulations (over \$250,000)
0

*Calumet's environmental metrics from 2019-2022 show a significant decline which reflects our emphasis on compliance and continual improvement.

1) Data includes employees with the EEO categories 1.1, 1.2, and 2.

2) Eligible employees defined as non-union, full-time, and active employees completed a performance review defined at the very least as received feedback on their 2022 performance from a manager through our performance review process.

BIPOC (Black, Indigenous and people of color)

