

A photograph of an industrial refinery or chemical plant with several tall distillation columns and storage tanks. The facility is situated in a valley with rolling hills and mountains in the background under a clear blue sky. In the foreground, there is a body of water with reeds.

Challenging Ourselves to Lead in Sustainable Energy

2022 Sustainability Highlights

STRIVING TO MEET THE NEEDS OF TODAY WHILE INVESTING IN AN ENERGY-DIVERSE FUTURE

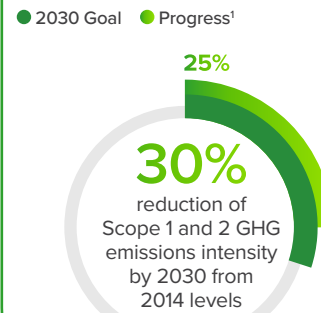
Strengthen Resiliency

Strengthening our business for today while building durability for the future

LOWERING OUR CARBON FOOTPRINT

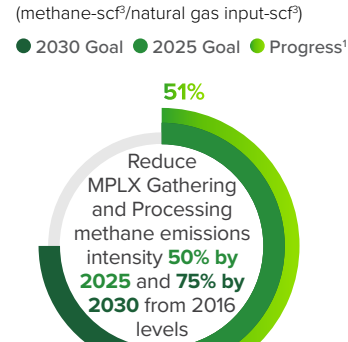
Scope 1 and 2 GHG Emissions Intensity

(tonnes CO₂e/thousand boe² input)



Methane Emissions Intensity

(methane-scf³/natural gas input-scf³)



Absolute Scope 3 - Category 11 GHG Emissions

(tonnes CO₂e)



4th consecutive year

The highest level of recognition in the U.S. EPA's ENERGY STAR[®] program

CONSERVING NATURAL RESOURCES

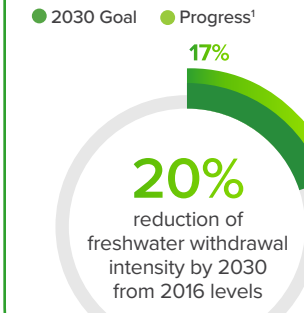
Biodiversity

(acres)



Freshwater Withdrawal Intensity

(megaliters/million boe² input)



500 million+ gallons of fresh water saved in refining operations

16,000+ tonnes or nearly all spent catalyst from our refining hydroprocessing units were reused or reclaimed

55% reduction in criteria pollutant emissions since 2002 – while the footprint of our refining and natural gas assets expanded

¹ Progress as of Dec. 31, 2022 | ² boe: barrel of oil equivalent | ³ scf: standard cubic feet – a volume of gas

Innovate for the Future

Investing in the energy evolution to lower carbon intensity and capture value

RENEWABLE FUELS AND EMERGING TECHNOLOGIES

~2.4 billion gallons of renewable fuels delivered, making MPC one of the largest marketers of renewable fuels in the U.S.

Martinez Renewable Fuels Facility (Neste joint venture)

Began producing renewable diesel in the first quarter of 2023

Full capacity of **730 million+** gallons of renewable fuels production per year

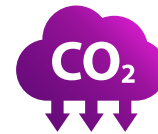
Project benefits:

- ↓ **60% reduction** in GHG emissions*
- ↓ **70% reduction** in criteria air pollutants*
- ↓ **1 billion gallons less** water used annually*

Dickinson Renewable Diesel Facility

184 million gallons/year capacity

Producing a renewable diesel that is **~50% lower** carbon intensity than diesel derived from fossil fuels



LF Bioenergy

~390 million British thermal units/day

Developing a portfolio of dairy-based, **low carbon-intensity** renewable natural gas projects

Green Bison Soy Processing, LLC (ADM joint venture)

Expected to produce **~600 million** pounds of refined vegetable oil annually



Virent – Wholly Owned Subsidiary

~10,000 gallons/year capacity at its demonstration facility

Converting plant-based sugars into low-carbon renewable fuels and chemicals

Carbon Capture, Utilization and Sequestration (CCUS)

~481,000 tonnes of CO₂ captured from MPC and MPLX operations and joint ventures for use in the **food and beverage industry** and **industrial applications**

*Projected savings compared to Martinez previous operations as petroleum refinery

Embed Sustainability

Embracing sustainability in decision-making, in how we engage our people and in how we create value with stakeholders

DIVERSITY, EQUITY AND INCLUSION

2022 Diversity, Equity and Inclusion Goal

- Women Goal ● BIPOC Goal
- Women Result ● BIPOC Result



Strategy

- Building a diverse workforce
- Creating a more inclusive culture
- Contributing to our thriving communities

70 employee network chapters

to support a diverse workforce and an inclusive culture



SAFETY AND ENVIRONMENTAL STEWARDSHIP

39% reduction

in Tier 3 and 4 Designated Environmental Incidents since 2019



14% improvement

in process safety events score since 2019



OSHA's Voluntary Protection Program (VPP)

35 VPP Star Certifications across **45** MPC and MPLX facilities



EMPLOYEE AND COMMUNITY INVESTMENT

1 million+ training hours recorded by employees



\$23 million+ invested in communities by MPC and MPLX



~100% of all salaried, hourly and union employees rewarded with additional compensation to share in company success

87,000+ employee volunteer hours



ACCOUNTABLE AND TRANSPARENT GOVERNANCE

Board Oversight and Risk Management

- ESG embedded across **multiple Board committees**
- Sustainability and Public Policy
- Corporate Governance and Nominating
- Compensation and Organization Development
- Audit

Strong Compliance and Ethics Programs

Policy on **Human Rights, Including the Rights of Indigenous People**

ESG Performance

20% of annual bonus program linked to ESG metrics

MPC at a Glance

136 years

of experience in the energy business, with roots tracing back to 1887

MPLX

MPC's master limited partnership formed to own, operate, develop and acquire midstream energy infrastructure assets

2.9 million

barrels per calendar day of crude oil refining capacity

12 billion

standard cubic feet per day of natural gas processing capacity

319

vessels and barges owned and operated through marine business

2.4 billion

gallons of renewable fuels delivered to consumers in 2022

~19,000

miles of pipeline owned, leased, or with ownership interest

537

transport trucks owned and operated

40.3 million

barrels of terminal storage capacity

2 strong brands



~8,400

North American branded locations

~12,800

rail tank cars owned, leased and operated



Top Decile ESG Ratings

for S&P Global and Sustainalytics in the U.S. Oil and Gas Refining and Marketing sector

Dow Jones Sustainability North America Index for fourth straight year



U.S. EPA ENERGY STAR® Awards

MPC has earned the ENERGY STAR Partner of the Year – Sustained Excellence Award for the fourth consecutive year and six 2022 ENERGY STAR certifications — an industry record



American Fuel & Petrochemical Manufacturers (AFPM) Safety Awards

Three MPC refineries were recognized by AFPM for top safety performance and innovation



100% Score

on Human Rights Campaign Corporate Equality Index for three consecutive years



Marathon Petroleum Corporation (MPC)
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Scan the QR code to view our full **Sustainability Report** or visit marathonpetroleum.com/sustainability