2021 Sustainability Highlights



CHALLENGING OURSELVES TO LEAD IN SUSTAINABLE ENERGY

MARATHON | MPLX

MEETING THE NEEDS OF TODAY WHILE INVESTING IN AN ENERGY-DIVERSE FUTURE

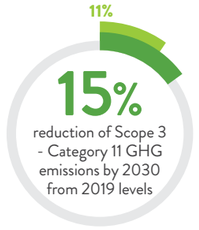
STRENGTHEN RESILIENCY

Strengthening our business for today, while building durability for the future

LOWERING OUR CARBON FOOTPRINT

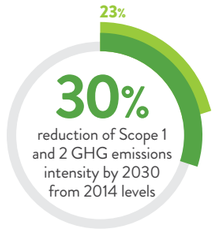
Absolute Scope 3 - Category 11 GHG Emissions
(tonnes CO_2e/thousand boe input)

● 2030 Goal ● Progress[1]



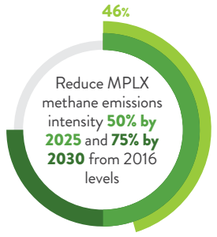
Scope 1 and 2 GHG Emissions Intensity
(million tonnes)

● 2030 Goal ● Progress[1]



Methane Emissions Intensity
(methane-scf/inputs-scf)

● 2030 Goal ● 2025 Goal ● Progress[1]



ENERGY STAR AWARD 2022
PARTNER OF THE YEAR
Sustained Excellence

THIRD CONSECUTIVE YEAR

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

[1] Progress as of 12.31.21

CONSERVING NATURAL RESOURCES

Biodiversity

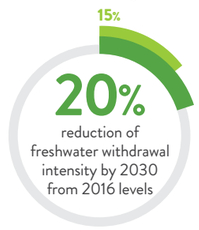
● 2025 Goal ● Progress[1]



Marathon Pipe Line LLC (MPL) is harnessing the power of nature-based solutions to operate safely and promote long-term environmental health on our pipeline rights of way

Freshwater Withdrawal Intensity
(megaliters/million boe)

● 2030 Goal ● Progress[1]



In 2021:

77% of freshwater withdrawn from non-water-stressed areas

32,000 tonnes of hazardous waste prevented from entering landfills

54% reduction in criteria pollutant emissions since 2002 – while the footprint of our refining and natural gas assets expanded

INNOVATE FOR THE FUTURE

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

CURRENT PORTFOLIO

~2.4 billion gallons of renewable fuels delivered to consumers

400 million+ gallons of renewable fuels produced

Dickinson, North Dakota — Renewable Diesel Facility

184 million gallons/year capacity

Second largest in the U.S.

Renewable Diesel and Naphtha

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

Carbon Capture, Utilization and Sequestration (CCUS)

~478,000 tonnes of CO_2 captured from MPC and MPLX operations and joint ventures for use in food and beverage industry and industrial applications

Virent – Wholly Owned Subsidiary

- **Advanced biofuel** and renewable chemical research, development and commercialization
- Virent's bio-based products used in first commercial passenger flight fueled by **100% sustainable aviation fuel**

Biofuels Pretreatment Facilities

- Beatrice, Nebraska
- Cincinnati, Ohio

EXPANDING OUR PORTFOLIO

Martinez, California — Renewable Fuels Facility

730 million gallons/year projected capacity*

Will become one of the **largest** renewable diesel facilities in the world

Announced our intent to form a joint venture with **Neste**

60% reduction in GHG emissions**

70% reduction in criteria air pollutants**

1 billion gallons less water used annually**

*Facility is expected to start producing renewable diesel in 2022 and reach full capacity in 2023
**Projected savings compared to Martinez previous operations as petroleum refinery

Feedstock Partnership

- Joint venture with **ADM**
- Soybean processing complex in Spiritwood, North Dakota
- Expected to produce **~600 million** pounds of refined soybean oil annually—enough feedstock for ~75 million gallons of renewable diesel per year

CCUS Alliances

Supporting the development of **CCUS Technology**

- Houston Carbon Capture and Storage Hub
- Appalachian Energy Future
- Greater St. Louis and Illinois Regional Clean Energy Hydrogen Hub

EMBED SUSTAINABILITY

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

OUR DIVERSITY, EQUITY AND INCLUSION JOURNEY

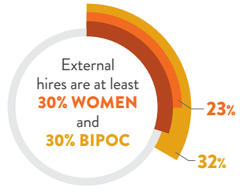
First independent U.S. downstream energy company to link diversity, equity and inclusion metric to **compensation**

Executing Our Diversity, Equity and Inclusion Action Plan

- Build a diverse workforce
- Create a more inclusive culture
- Contribute to our thriving communities

2021 Diversity, Equity and Inclusion Goal

● Goal ● Women Result ● BIPOC Result



COMMITMENT TO SAFETY AND ENVIRONMENTAL STEWARDSHIP

59% reduction in Tier 3 and 4 Designated Environmental Incidents since 2018

32% reduction in process safety events since 2018

OSHA's Voluntary Protection Program (VPP)

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

ENGAGING OUR STAKEHOLDERS AND COMMUNITIES

In 2021:

$21 million+ invested in communities by MPC and MPLX

$500,000+ donated to support tribal communities

57,500+ employee volunteer hours

- Comprehensive **stakeholder engagement plans** for all refineries and renewable facilities
- Robust engagement with **tribal stakeholders** in our operational footprint

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 cash bonus program linked to ESG metrics

MPC at a Glance



135 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

2.4 BILLION
gallons of renewable fuels delivered to consumers in 2021

11.8 BILLION
standard cubic feet per day of natural gas processing capacity

2 STRONG BRANDS

~8,250
North American branded and direct dealer locations

2.9 MILLION
barrels per calendar day of crude oil refining capacity

~19,000
miles of pipelines we own, lease or have an ownership interest in

320
vessels and barges owned and operated through marine business

~600
transport trucks owned and operated

42.8 MILLION
barrels of terminal storage capacity

~13,100
rail tank cars we own, lease and operate

ESG RECOGNITIONS



MEMBER OF S&P GLOBAL DOW JONES SUSTAINABILITY INDICES

Dow Jones Sustainability™ North America Index for third straight year



TOP DECILE ESG RATINGS

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



U.S. EPA ENERGY STAR® AWARDS

MPC has earned the ENERGY STAR Partner of the Year – Sustained Excellence Award for the third consecutive year and four additional Challenge for Industry Awards



ENERGY ESG AWARDS

MPLX named ESG Top Performer in the public midstream category by Hart Energy



100% SCORE

on Human Rights Campaign Corporate Equality Index



AMERICAN FUEL & PETROCHEMICAL MANUFACTURER (AFPM) SAFETY AWARDS

Four MPC refineries and our corporate refining organization were recognized by AFPM for top safety performance

Marathon Petroleum Corporation
email: sustainability@marathonpetroleum.com

Scan the QR code to view our full **Sustainability Report** or visit marathonpetroleum.com/sustainability