

# SUSTAINABILITY REPORT 2019



**Marathon  
Petroleum Corporation**



# TABLE OF CONTENTS

A Message from Our CEO	1
<b>About This Report</b>	<b>2</b>
<b>An Overview</b>	<b>3</b>
Proud to be MPC	3
An Integrated Business Model	3
Our Operations	4
<b>Sustainability at MPC and MPLX</b>	<b>5</b>
Shared Value	7
Identification of Material Topics	8
Stakeholder Engagement	9
Our Products Enhance Life's Possibilities	11
<b>Leading in Sustainable Energy</b>	<b>12</b>
Putting Our Sustainable Energy to Work	14
Aligning Our Sustainability	17
Performance with Compensation	
<b>Conserving Natural Resources and Reducing Waste</b>	<b>18</b>
Water Use and Conservation	20
Biodiversity	23
Waste	26

Spill Prevention	29
Air Quality and Emissions	30
<b>Creating Shared Value and Opportunity</b>	<b>32</b>
Our People	34
Our Communities	40
Our Suppliers	49
<b>Promoting Safety</b>	<b>51</b>
Workforce Safety	52
Emergency Preparedness	56
Process Safety	57
Health and Wellness	58
<b>Operating with Integrity</b>	<b>60</b>
Governance	61
Risk Management	64
Operational Excellence Management System	65
Compliance and Ethics	66
Cybersecurity	68
Political Contributions and Advocacy	69
<b>Glossary</b>	<b>73</b>

## Performance Data and Reporting Indices 78

Performance Data	78
Reporting Framework Cross-Reference	86

Our 2019 Sustainability Report communicates our sustainability strategy and performance in accordance with the Global Reporting Initiative (GRI) Standards and Sustainability Accounting Standards Board (SASB) metrics. Please visit [sustainability.marathonpetroleum.com](http://sustainability.marathonpetroleum.com) to download our GRI Index, SASB Refining and Marketing Index, and SASB Midstream Index.

## New to this Report

- GRI Core
- SASB Indices
- Human Rights
- Supplier Code of Conduct
- Cybersecurity

### About the Cover:

Refining maintenance trainer at MPC's refinery in Catlettsburg, Kentucky, conducts a tour of the Savage Branch Wildlife Reserve with area students. MPC owns and maintains the 360-acre reserve, which lies one mile west of the Big Sandy River on the Kentucky/West Virginia border. A team of employees from the refinery fosters strong relationships with area schools by offering a variety of educational programs on- and off-site. We invite students to the Savage Branch Wildlife Reserve to learn about pond and forest habitats. While exploring these habitats, students discover concepts and processes such as forest succession, habitat requirements, interdependence, life cycles, and decomposition.

## A Message from Our CEO

At Marathon Petroleum and MPLX, our commitment to sustainability means taking actions that create shared value with our many stakeholders – empowering people to achieve more, contributing to progress in our communities, and conserving resources in our operations. In this Sustainability Report, we share how our people provide products that enhance life's possibilities, guided by our values of safety and environmental stewardship, integrity, respect, inclusion and collaboration.

As we push to continually improve, our sustainability efforts reflect consistency and determination. We have reduced our emissions of criteria air pollutants by more than 45% since 2002, even as our operations expanded over that period. We have reduced our greenhouse gas emissions intensity through our ongoing commitment to energy efficiency and are the first independent refining company in the U.S. to link our progress toward reduction goals to executive pay. We are investing \$470 million to convert our Dickinson, North Dakota, refinery to produce renewable diesel fuel, and we continue investing in advanced biofuels through our research and development subsidiary Virent. To learn more about our approach to climate change, I encourage you to review our annual Perspectives on Climate-Related Scenarios report.

For almost 15 years, we have participated in the U.S. EPA ENERGY STAR® program, which recognizes facilities that achieve top-quartile energy efficiency and overall excellence in environmental compliance. We have earned more ENERGY STAR recognitions than all other refiners combined, including the prestigious ENERGY STAR Partner of the Year award for 2018 and 2019 and the ENERGY STAR Partner of the Year – Sustained Excellence award for 2020. We have reduced the amount of fresh water we use per unit of throughput and continue working toward safer workplaces, improving the safety rate in our Refining organization by 22% since 2015.

In the communities where we operate, our employees give their time and talent, and the company matches their charitable contributions to eligible nonprofits. We quickly joined the fight against COVID-19, donating more than a half million N95 masks to nearly 50 health care facilities across our operational areas, and the Marathon Petroleum Foundation donated \$1 million to the American Red Cross to help provide disaster relief and support to those in crisis during the pandemic and beyond.

We continue to strengthen our long-standing commitment to being a good corporate citizen. This year, we finalized our Human Rights Policy, which codifies our respect for the human, cultural and legal rights of all individuals and communities consistent with the United Nations Universal Declaration of Human Rights. We adopted a Stakeholder Engagement Policy, formalizing our recognition of shared value as an intentional, proactive approach to working with stakeholders for mutual benefit. This report also incorporates enhanced transparency to diversity data.

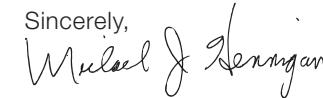
As our nation contends with many challenges, including equality, racial discrimination and social injustice, like many organizations, we are charting a path toward greater understanding, listening and open dialogue. The events of the past several months have been a stark reminder that if we want to have hope for a better tomorrow – and a better today – we must all stand for each other, and we must all stand together. MPC and MPLX will continue to stand against racism, intolerance, discrimination and hatred of any kind, and we stand firmly in support of our employees, customers and communities who face inequality and injustice.

Although we have achieved significant progress, we have much more to do. Sustainability is one of the strategic pillars that drives our success and continuous improvement is not optional— it's essential. Affordable, reliable energy is more important than ever as we work

to recover from the economic and health effects of the COVID-19 pandemic. Petroleum fuels, biofuels, petrochemicals and natural gas are the building blocks of our modern economy – agriculture, construction, manufacturing, retail sales and emergency services all rely on these affordable materials and energy sources. With each year that goes by, we sharpen our focus on doing this important work responsibly, remaining competitive, and serving as a valued partner to our stakeholders.

Thank you for your interest in Marathon Petroleum. Our 2019 Sustainability Report communicates our sustainability strategy and performance in accordance with the Global Reporting Initiative (GRI) standards and Sustainability Accounting Standards Board (SASB) metrics. We invite you to read it and welcome your thoughts at [sustainability@marathonpetroleum.com](mailto:sustainability@marathonpetroleum.com).

Sincerely,



**Michael J. Hennigan**

President and Chief Executive Officer





# ABOUT THIS REPORT

MPC's 2019 Sustainability Report reflects our long-standing commitment to transparency and accountability around our economic, social and environmental impacts. We have publicly reported on these matters since 2011, and this report communicates our sustainability strategy and performance in accordance with the Global Reporting Initiative (GRI) Standards and Sustainability Accounting Standards Board (SASB) metrics, as well as other recognized reporting frameworks. We are proud of our progress in 2019 to enhance life's possibilities and create shared value for our stakeholders.

Please visit MPC's website  
<https://www.marathonpetroleum.com/Sustainability/> for additional information on our sustainability priorities.

## Reporting Frameworks

**GRI** This report has been prepared in accordance with the GRI Standards: Core option, including use of the Oil and Gas Sector Disclosures.

**IPIECA** This report is consistent with International Petroleum Industry Environmental Conservation Association (IPIECA) Sustainability Reporting Guidance for the Oil and Gas Industry (2020) and includes core reporting elements for each presented indicator.

**SASB** This report is also informed by the oil and gas industry metrics from the Sustainability Accounting Standards Board (SASB).

See Reporting Framework Cross-Reference for mapping of our reporting topics to IPIECA indicators, as well as GRI and SASB standards. See also our extended GRI and SASB indices provided separately on our website.

**TCFD** We annually publish a separate risk assessment report that follows guidelines set forth by the Financial Stability Board's Task Force on Climate-related Financial Disclosures (TCFD). Our third report, Perspectives on Climate-Related Scenarios, is also available on our website.

## Data Quality

Information and data in this report covers all MPC entities, for the calendar year 2019, unless otherwise indicated. Due to rounding, numbers presented throughout the performance data table may not add up to the totals provided and percentages may not precisely reflect the rounded numbers. Data included has been reviewed by MPC's Internal Audit organization. In addition, we engaged an independent third party, Lloyd's Register Quality Assurance Inc. (LR), an affiliate of Lloyd's Register North America, Inc., to evaluate the accuracy and reliability of our Greenhouse Gas (GHG) Emissions Scope 1, Scope 2 and intensity data for fiscal years 2014 and 2019.

## Scope of Report

The information and data in this report covers all MPC entities, including Speedway LLC and MPLX LP, for the calendar year 2019, unless otherwise indicated.



# AN OVERVIEW

## Proud to be MPC

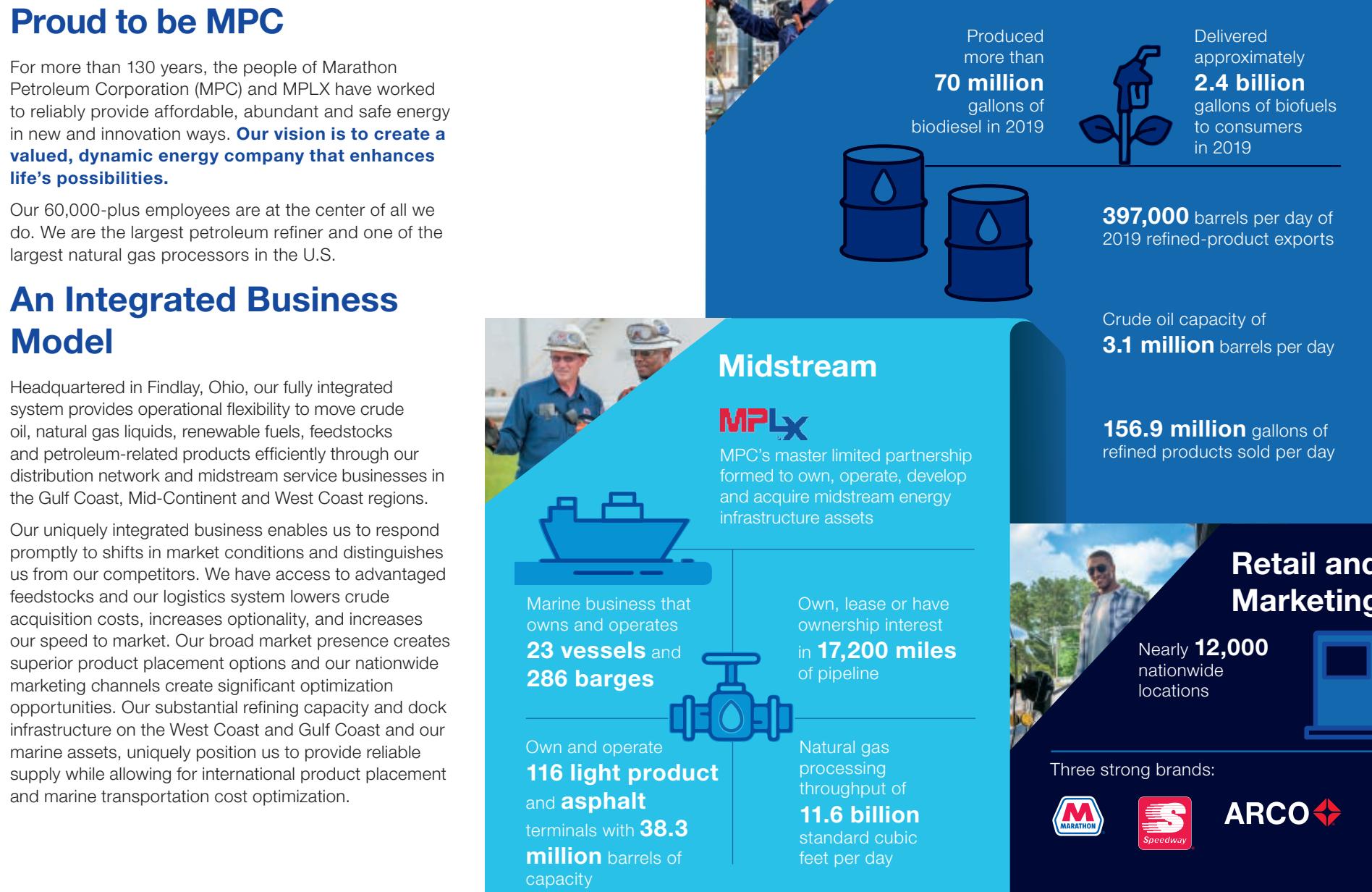
For more than 130 years, the people of Marathon Petroleum Corporation (MPC) and MPLX have worked to reliably provide affordable, abundant and safe energy in new and innovation ways. **Our vision is to create a valued, dynamic energy company that enhances life's possibilities.**

Our 60,000-plus employees are at the center of all we do. We are the largest petroleum refiner and one of the largest natural gas processors in the U.S.

## An Integrated Business Model

Headquartered in Findlay, Ohio, our fully integrated system provides operational flexibility to move crude oil, natural gas liquids, renewable fuels, feedstocks and petroleum-related products efficiently through our distribution network and midstream service businesses in the Gulf Coast, Mid-Continent and West Coast regions.

Our uniquely integrated business enables us to respond promptly to shifts in market conditions and distinguishes us from our competitors. We have access to advantaged feedstocks and our logistics system lowers crude acquisition costs, increases optionality, and increases our speed to market. Our broad market presence creates superior product placement options and our nationwide marketing channels create significant optimization opportunities. Our substantial refining capacity and dock infrastructure on the West Coast and Gulf Coast and our marine assets, uniquely position us to provide reliable supply while allowing for international product placement and marine transportation cost optimization.



## Our Operations

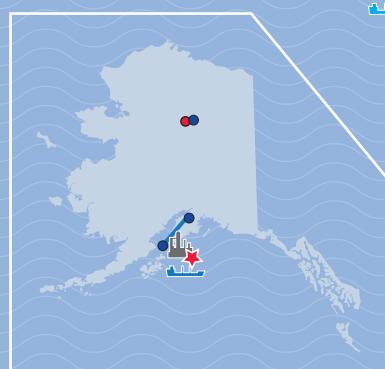
Our operations are diverse in both geographic location and feedstock scope. We operate subsidiaries in 41 states and the District of Columbia; the Mexican states of Baja California, Sonora and Sinaloa; and trading operations in the U.S., Canada and Singapore. Our nearly 12,000 retail and marketing locations include approximately 6,900 branded outlets across the U.S. and in Mexico, and approximately 5,000 Speedway and ARCO retail convenience stores nationwide.

We have a growing renewable energy portfolio, including: our biodiesel facility in Cincinnati, Ohio; joint venture ownership of four Midwest ethanol plants; conversion of one of our petroleum refineries to produce renewable diesel; an agreement with Fulcrum Bioenergy to purchase synthetic crude manufactured from municipal waste; and our wholly owned subsidiary, Virent, that is working to commercialize a process to produce advanced biofuels, including biogasoline and bio-jet fuel, from plant sugars and lignocellulosic materials.

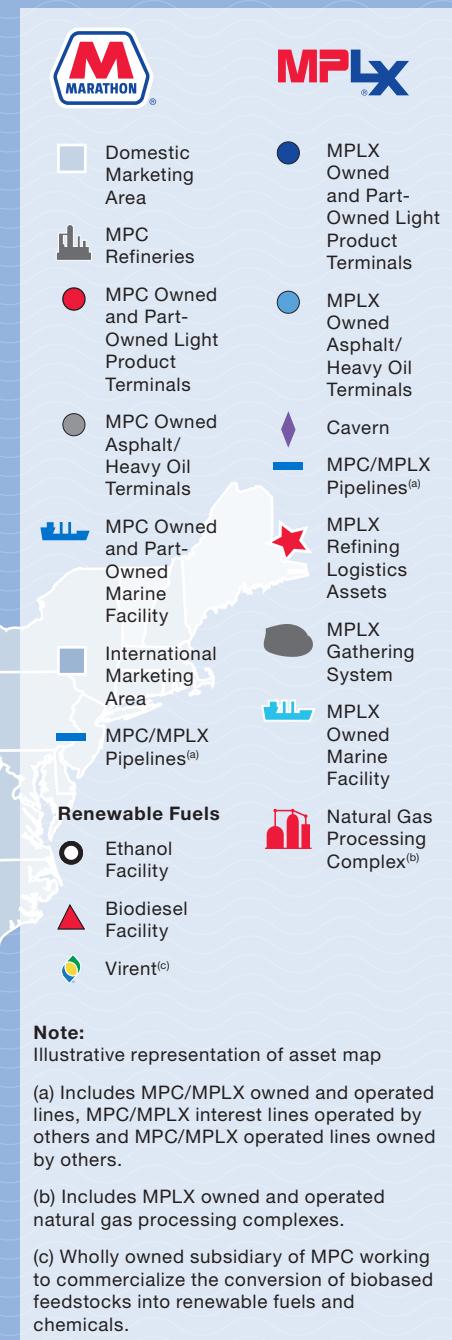
**132 years**  
of experience in the  
energy business  
with roots tracing  
back to 1887

**Largest**  
independent  
petroleum refining,  
marketing, retail and  
midstream business in  
the U.S.

Over  
**60,000** employees



MEXICO





# SUSTAINABILITY AT MPC AND MPLX

## Highlights

- ★ Dow Jones Sustainability Index North America
- ★ EcoVadis Bronze Sustainability Rating
- ★ Sustainalytics 11th percentile, Refiners & Pipelines (1st = lowest risk)
- ★ Established 2030 GHG Reduction Goal
- ★ \$18.7 million Community Investment

## Useful Resources

- MPC website
- Stakeholder Engagement Policy
- Marathon Petroleum Foundation, Inc.
- Human Rights Policy
- Supplier Code of Conduct
- Perspectives on Climate-Related Scenarios Report



We view sustainability at MPC and MPLX as the fundamental process of **shared value** creation, in which strategic investment and innovation help our society achieve economic growth, environmental preservation and resource conservation to address the needs of future generations.

We recognize **shared value** as an intentional and proactive approach to working together with all stakeholders for mutual benefit.

We are committed to accountability to stakeholders — including our people, business partners, customers, communities, governments and shareholders — for our actions and for operating our businesses with a spirit of safety and environmental stewardship, integrity, respect, inclusion and collaboration. This is our broad commitment to “Stakeholder Engagement.”

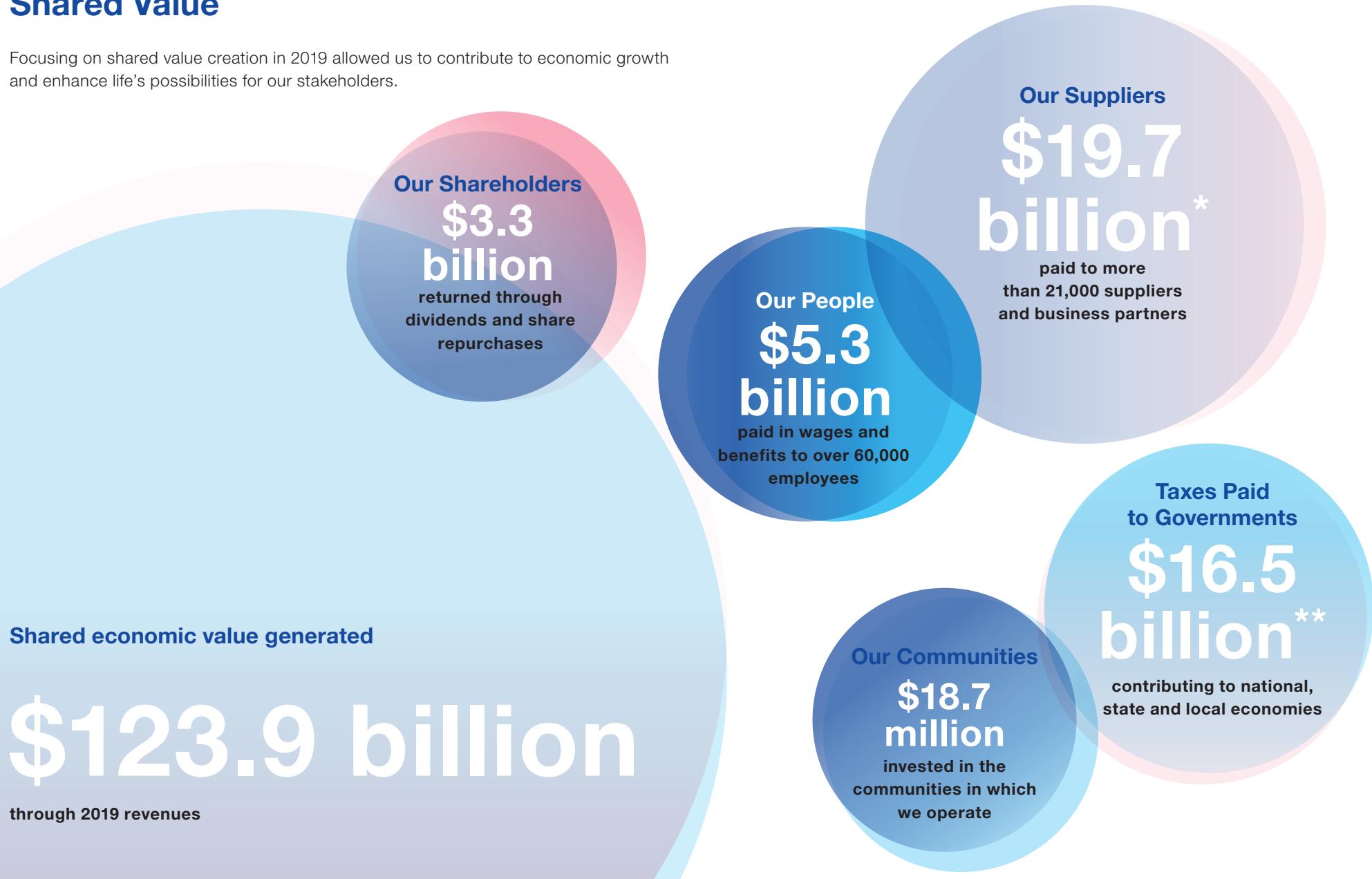
Sustainability at MPC and MPLX consists of these five areas: leading in sustainable energy, conserving natural resources and reducing waste, creating shared value and opportunity, promoting safety and operating with integrity.

Our approach to sustainability is defined not only by our commitment to comply with all laws and regulations, but by our determination to achieve or exceed our own rigorous sustainability targets. We believe how we conduct our business is just as important as our performance. By means of our Operational Excellence Management System (OEMS), we strive to continually improve our health, environment, safety, security and sustainability performance to maintain our license to operate, manage risk, make data-driven decisions and prevent incidents.



## Shared Value

Focusing on shared value creation in 2019 allowed us to contribute to economic growth and enhance life's possibilities for our stakeholders.



\* Excludes crude/feedstock purchases

\*\* Includes sales, use, excise taxes

# Identification of Material Topics

This report focuses on MPC's and MPLX's most significant sustainability topics identified in terms of relative importance to us and our stakeholders in 2019.

We worked with an independent expert in 2018 to complete a materiality assessment in accordance with SASB and GRI Core reporting guidelines to identify topic areas, engage with our stakeholders and prioritize topics relative to our business and stakeholders. Conclusions from the 2018 assessment, together with ongoing extensive internal and external stakeholder engagement, peer benchmarking, monitoring of trends and external research, help us evaluate our key impacts, risks and opportunities, determine our topic prioritization and continue to enhance our sustainability program.

## Our material topics in 2019 were informed and identified by:

- Stakeholder engagement
- Senior management input
- Our 2018 materiality assessment
- Industry context and peer benchmarking
- External standards and frameworks including SASB materiality topics
- Non-governmental organization materials
- Regulatory environment
- Media coverage
- Global reporting trends and best practices

## Our material\* topics for 2019 include:



### Leading in Sustainable Energy

- GHG emissions



### Conserving Natural Resources and Reducing Waste

- Water use and conservation
- Biodiversity
- Spill prevention
- Air quality and emissions



### Creating Shared Value and Opportunity

- Diversity and inclusion
- Community



### Promoting Safety

- Workforce safety
- Process safety



### Operating with Integrity

- Business ethics and accountability
- Cybersecurity

\* Distinct from concepts of materiality in financial reporting and under securities laws, material sustainability topics consider impacts an organization may have on the broader economy, environment and society, and factors viewed as important to stakeholders.

# Stakeholder Engagement

At MPC and MPLX, we place great importance on open dialogue with all our stakeholders, including employees, business partners, customers, the communities we call home, governments and shareholders. Our sustainability strategy is guided by ongoing dialogue with these stakeholder groups throughout the year. We listen to our stakeholders and incorporate their feedback into our approach to sustainability.



## Our People

Empowered employees across our operations, inspiring and collaborating with each other, are the heart of the company and the key to realizing our vision.

### Principles and Aspirations

We are distinguished by our engaged and talented teams. We work to:

- Attract, retain and engage top talent
- Protect health and safety
- Foster a culture where our people can develop and grow
- Support employee engagement with communities

### How We Engage

- Code of Business Conduct
- Integrity Helpline
- Employee satisfaction survey
- Performance management
- Safety meetings
- CEO communications
- Employee Network Groups
- Wellness programs

## Business Partners

Every day, we engage with a multitude of business partners, from contractors to vendors and consultants, and treat them as true partners, with respect and in accordance with our values.

### Principles and Aspirations

As a valued business partner, we work to:

- Promote mutual understanding of principles and interests with partners and suppliers
- Collaborate for solutions that promote increased value for our partners and the business

### How We Engage

- Procurement process
- Stakeholder interviews
- Contract negotiations
- Core contractor program
- Project management

## Customers

Our business relies on the promise that everyone who purchases our products and services shares in the value that we create. We work to earn our customers' trust in every transaction, every day.

### Principles and Aspirations

As the provider of choice for our customers, we work to:

- Deliver superior service and products throughout our integrated business
- Provide a safe and convenient consumer experience
- Become the leading marketer of convenience and fuel

### How We Engage

- Global, regional and local industry events, forums and conferences
- Proprietary company events and meetings
- Partnerships and working groups to advance best practices



## Communities

We have a responsibility for every community in which we operate: we listen to their needs; we create opportunity and provide support through grants and volunteerism; and we seek to be the best neighbor we can be.

### Principles and Aspirations

As a valued member of communities, where we live and operate, we work to:

- Invest and engage to create cleaner, safer, well-educated communities while considering community needs and business objectives
- Provide opportunities not otherwise available to underserved and disadvantaged community members
- Improve technical skills, as well as life skills for community members in an effort to increase the overall wellness, livelihood and prosperity of the communities where we live and work

### How We Engage

- Websites, news media and social media
- Tours
- Community investment programs
- Community Advisory Panels
- Employment
- Landowner events
- Focus groups
- Community surveys
- Community hotlines
- Facilitation of community events
- Sponsorship of charity fundraising events

For more information on our community engagement, see Our Communities on page 40 of this report.



## Governments

We advocate for sound federal, state and local policies that enable us to continue providing our products reliably and affordably in the communities we serve. We value our good-faith relationships with policymakers, and seek solutions that benefit both our business and the public good.

### Principles and Aspirations

As a trusted and credible voice with government, we work to:

- Advocate for sound public policies
- Collaborate to find solutions to issues of mutual interest
- Engage to support our presence in key markets

### How We Engage

- Advocacy
- Policy development
- Industry and trade association representation
- Regulatory compliance
- Permit reviews
- Regulatory audits
- Leadership and collaboration on community investment projects
- Legislator engagement days
- Tours
- Marathon Petroleum Corporation Employees Political Action Committee



## Shareholders

Our shareholders expect more of us than just returns on investment; they also expect sustainable business strategies, community engagement, and strong leadership within the company, the industry and society.

### Principles and Aspirations

We deliver ever-greater value to our shareholders through:

- Creating long-term, sustained value
- Diversified earnings portfolio; highly attractive and accretive growth opportunities
- Strengthening business, improving productivity and increasing profitability

### How We Engage

- Investor presentations and conferences
- Analyst calls
- Annual Shareholder Meeting
- SEC filings

# Our Products Enhance Life's Possibilities

We make the everyday necessities of life, from the fuel in our vehicles to the paved roads that bring us to our loved ones. The petrochemicals we manufacture are used in making vehicle components, clothing, material in our phones, electronic equipment, hospital equipment, furniture, insulation material, adhesives, paints and inks, helmets and other protective gear. Virtually every product and service the world uses is better and more affordable because of the products we manufacture.

- Feeding the World** – Wherever large-scale agriculture takes place, petroleum fuels make it possible to plow, plant, fertilize, harvest and transport food to where it's needed. Our products help elevate communities out of poverty and into prosperity.
- Building Our World** – Whether building homes and workplaces or bridges and cell towers, construction projects rely on petroleum to not only run cranes, backhoes, cement trucks and generators, but also for building materials including insulation, roofing shingles, paint and vinyl siding.
- Putting Everything within Your Reach** – If you order items for delivery, or go to stores to find them full of merchandise, petroleum fuels make it possible. Almost everything we buy comes to us through a combination of trucks, planes, trains and marine vessels powered by petroleum fuels.

Throughout our company's history, we have adapted and evolved to meet society's changing needs. We will continue to address the complex challenges of sustainably providing affordable, abundant and reliable sources of energy, including renewable fuels.

## Take A Look Around Your Home...

### There Are Petroleum-Based Products Everywhere.

#### Kitchen

- Food
- Trash Bags
- Kitchen Utensils
- Refrigerator

#### Bedroom

- Curtains
- Eye Glasses
- Fleece Blanket
- Flip-Flops
- Pillow
- Purse

#### Bathroom

- Medicine
- Toilet Seat
- Toiletries, Make-Up
- Toothbrush

#### Office

- Ballpoint Pens
- Cellphone
- Computer
- Keyboard
- Window Frame

#### Living Room

- Couch
- Television
- TV Cabinet
- Speakers

#### Utility Room

- Appliances
- Bug Spray
- Cleaning Products
- Clothing, Shoes

#### Garage

- Automobile, Fuel
- Bicycle Tires
- Recycling Bin
- Rope
- Tool Rack





# LEADING IN SUSTAINABLE ENERGY

## Highlights

- ★ **21%** reduction in GHG intensity since 2014
- ★ U.S. EPA's ENERGY STAR® Partner of the Year award 2018 and 2019
- ★ U.S. EPA's ENERGY STAR® Partner of the Year – Sustained Excellence award 2020
- ★ **2.4 billion** gallons of biofuels delivered
- ★ Converting Dickinson, North Dakota, refinery into a renewable diesel plant
- ★ Company-wide GHG intensity goal for 2030

"We have consistently adopted the technologies that help us meet consumers' needs efficiently. We're challenging ourselves to be a leader in sustainable energy, not only by continuing to drive down our carbon intensity through energy efficiency, but also through our investments in renewable fuels and advanced biofuel technologies. We're excited about the future of our industry."

**Raymond L. Brooks**, Executive Vice President, Refining

*Mr. Brooks oversees MPC's Refining Organization.*



Lincoln Elementary School and MPC  
Pen Pal Picnic in Findlay, Ohio

## Target



**Reduce Scope 1 and 2 greenhouse gas (GHG) emissions per barrel of oil equivalent (BOE) processed to 30% below 2014 levels by 2030**

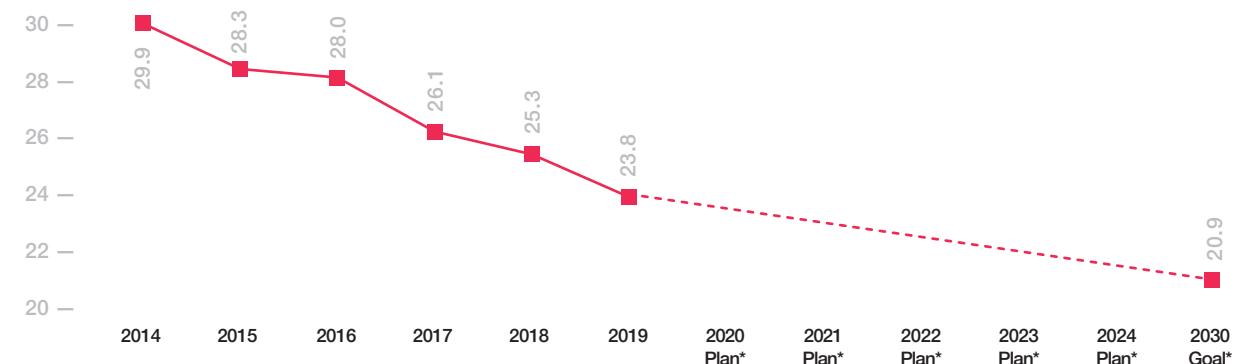
Leading in sustainability means we strive to lower energy carbon intensity, increase renewable fuel processing and energy use, improve energy efficiency, embrace innovation and deploy advanced technologies. MPC is committed to reducing the carbon intensity of our products, and in March 2020, we were the first independent U.S. refiner to establish a company-wide greenhouse gas emissions intensity reduction target. Additionally, we linked achievement of the goal to our executive and employee compensation programs.

MPC's GHG emissions intensity reduction encompasses both Scope 1 emissions – direct emissions from our operations – and Scope 2 emissions – indirect emissions from the electricity and steam we purchase to support our business activities. Our GHG intensity goal is in line with the 2.5% annual linear reduction rate the international Science-Based Targets initiative has recommended to enable companies to support the “well below 2-degrees Celsius” scenarios of the Paris Climate Agreement.



## MPC COMPANY-WIDE GHG INTENSITY GOAL

GHG Emissions Intensity (tonnes CO<sub>2</sub>e/ thousand BOE processed)



\* 2020-2030 GHG emissions intensity is estimated and subject to change.

# Putting Our Sustainable Energy to Work

The 2030 target builds on our years-long commitment to reduce the carbon intensity of our operations and products. Additional focus areas to achieve the 2030 goal include expanding our energy efficiency program, reducing methane emissions and increasing use of renewable energy. We have outlined a number of these initiatives in our 2019 Perspectives on Climate-Related Scenarios Report, available on our website, <https://www.marathonpetroleum.com>. We are committed to reassessing our GHG emissions goal as achievements toward GHG emissions intensity reductions are realized.



## Lower carbon intensity of our operations and the products we process

### SMARTSTART® VAPOR RECOVERY

Vapor Recovery Units (VRUs) recover vapors from trucks as they are loaded with fuel at terminals. By installing continuous emission monitors (CEMs) equipped with SmartStart® processing equipment, the VRUs operate only while loading, saving power and decreasing emissions. Across 45 MPLX terminals in 2019, we avoided 16,380 tonnes of CO<sub>2</sub> emissions.



### EPA'S SMARTWAY PROGRAM

As a partner company in EPA's SmartWay Transport program, we improved transportation efficiency in 2019, resulting in a 10.9% increase in miles per gallon and a 9.8% reduction in carbon dioxide (CO<sub>2</sub>) grams per mile.



### NATURAL GAS

Since 2015, we have invested more than \$17 billion to acquire and increase our natural gas assets. Additional deployment of natural gas resources promotes coal-to-gas switching, which reduces emissions from electricity generation by approximately 50% and provides immediate cost-effective carbon reductions.

### METHANE REDUCTION

As part of a first-of-its-kind settlement agreement with the EPA, we innovatively redesigned pipeline launchers and receiver stations to minimize emissions of methane and volatile organic compounds (VOCs) each time they are opened as part of required operation. We are utilizing mobile compressors to recover gases vented from a launcher and receiver station that were previously required to be flared. MPLX has shared its innovative emission reduction solutions with hundreds of individuals via in-person trainings and our royalty-free **patents** are readily available to the public. These launcher and receiver station best management practices are anticipated to reduce emissions by as much as 85 percent. As part of our settlement agreement, we also adopted a stringent LDAR (leak detection and repair) program at our gas processing and fractionation plants. Since 2016, we have reduced our fugitive methane emissions intensity by approximately 30%. In addition, we are phasing out high-bleed pneumatic controllers at our compressor stations.



## Increase Renewable Fuel Processing and Energy Use

2.4 billion gallons delivered in 2019

### ETHANOL

Through a joint-venture with The Andersons, Inc., we produced 460 million gallons of ethanol in 2019, and we blended more than 2 billion gallons of ethanol into fuel we marketed and sold. Additionally, 175,000 tonnes of CO<sub>2</sub> captured from the ethanol plants are used in the beverage industry.



### RENEWABLE DIESEL

We are investing roughly \$470 million to convert our Dickinson, North Dakota, refinery into a 12,000 barrel-per-day renewable diesel plant that processes corn and soybean oil to produce renewable diesel primarily for the California market.



### BIODIESEL

We produced over 70 million gallons of biodiesel at our Cincinnati plant in 2019, and we blended more than 100 million gallons of biodiesel into fuel we marketed and sold.

### SOLAR/WIND

Wind power is used to power our Harpster, Ohio MPLX pipeline pump station. In 2019, the turbine generated 31.3% of the electricity for the station, which is equivalent to offsetting the power demand of approximately 300 homes per year. We also use solar power at our Brecksville, Ohio MPLX terminal to aerate our stormwater ponds to keep them healthy and compliant with Clean Water Act requirements.

## Improve Energy Efficiency

### REFINING FOCUS ON ENERGY



ENERGY STAR® Partner of the Year award 2018, 2019

Refining Industry Leader in ENERGY STAR® honors, earning 66% of U.S. EPA's awards

ENERGY STAR® Partner of the Year – Sustained Excellence award 2020

Reduced GHG intensity by 21% since 2014

### LOS ANGELES REFINERY INTEGRATION AND COMPLIANCE

The Los Angeles Refinery Integration and Compliance project in California physically connected two adjacent refineries, thereby increasing energy efficiency and avoiding 70,000 tonnes of CO<sub>2</sub>e emissions per year, roughly the same as removing more than 11,800 homes' electricity use for one year.

The project's ongoing emissions reduction has come from linking adjacent refining facilities through interconnecting pipelines, allowing them to work together as an integrated refinery and retire the fluid catalytic cracking unit at one of the facilities.



## Embrace Innovation and Deploy Advanced Technologies



### ADVANCED BIOFUEL

Virent, a wholly-owned subsidiary, is working to commercialize its BioForming® process, which converts biobased feedstocks, such as sugars, into renewable fuel.



### BIOCRAUDE

Our partnership with Fulcrum Bioenergy, Inc. will allow us to process 800 barrels per day of feedstocks generated from municipal waste (biocrude). Through this process we will avoid 69,000 tonnes of CO<sub>2</sub>e emissions per year compared to traditional fuel.



## Aligning Our Sustainability Performance with Compensation

Safety and environmental goals have long been a part of our company-wide annual bonus programs, and in 2019 comprised 20% of the target bonus payout. Beginning in 2020, our Board's Compensation and Organization Development Committee approved the inclusion of a GHG intensity reduction metric for our bonus programs. This new consolidated sustainability metric aligns with our company-wide goal of reducing GHG emissions per barrel of oil equivalent processed by 30% below our 2014 levels by 2030. The metric is based on yearly progress toward reaching our GHG emissions intensity reduction goal, designated environmental incidents, personal safety performance and process safety performance.

### Target Bonus = Sustainability Metric

**20%**



#### GHG Intensity

**5%**

Measures how efficiently we operate our facilities and implement a business plan that promotes a less carbon-intensive future. GHG intensity is based on Scope 1 and Scope 2 greenhouse gas (GHG) emissions divided by the manufacturing inputs processed at our petroleum refineries, renewable fuel refineries and natural gas processing and fractionation plants.



#### Designated Environmental Incidents

**5%**

Measures environmental performance by tracking certain releases of hazardous substances into air, water or land; permit exceedances; government agency enforcement actions; and proper operation of emission monitoring equipment.



#### Marathon Safety Performance Index

**5%**

Measures our success and commitment to employee safety. Goals are set annually at best-in-class industry performance, focusing on continual improvement and include common industry metrics.



#### Process Safety Events Rate

**5%**

Measures our ability to identify, understand and control process hazards.



# CONSERVING NATURAL RESOURCES AND REDUCING WASTE

## Highlights

★ **45%**  
reduction in criteria pollutant  
emissions since 2002

★ **1,300 acres**  
of certified wildlife habitat

★ **9%**  
reduction in freshwater  
withdrawal intensity since 2015

★ National Oceanic and  
Atmospheric Administration  
Gold Award

★ **33%**  
reduction in criteria pollutant  
emissions from flaring  
since 2015

## Useful Resources

- Health, Environment, Safety and Security Policy

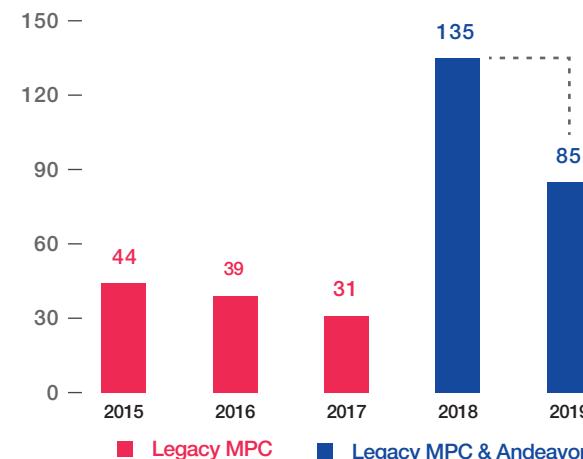


The second of our five Sustainability prongs is our commitment to conserving natural resources and reducing waste. Specifically, we strive to operate in ways that conserve fresh water, respect biodiversity, reduce waste to landfills, prevent spills, and minimize air emissions from our facilities and products. Our designated environmental incident (DEI) internal indicator is our means to track spills, environmental permit exceedances and agency enforcement actions. We use four DEI tiers to measure severity, whereby Tier 1 and 2 DEIs are the least severe and a leading indicator of potential problems, versus the more severe Tiers 3 and 4 DEIs.

At MPC MPLX, safety and environmental stewardship is a core value to ensure we protect our communities and the environment we all share. In 2019, we spent \$555 million, or 11% of our capital spend (excluding acquisitions) in environmental expenditures to improve the environmental performance of our assets and prevent and mitigate contamination.



## TIERS 3 AND 4 DESIGNATED ENVIRONMENTAL INCIDENTS (DEIs)



Almost  
**40%** reduction  
in first full year of program

DEIs include three categories of environmental incidents: releases to the environment (air, land or water), environmental permit exceedances and agency enforcement actions.

This chart includes legacy MPC refineries, Speedway, MPLX Logistics and Storage and Cincinnati Renewable Fuels. MPLX Gathering and Processing data is included as of Jan. 1, 2016. Legacy Andeavor asset data is included in this chart as of Jan. 1, 2018.



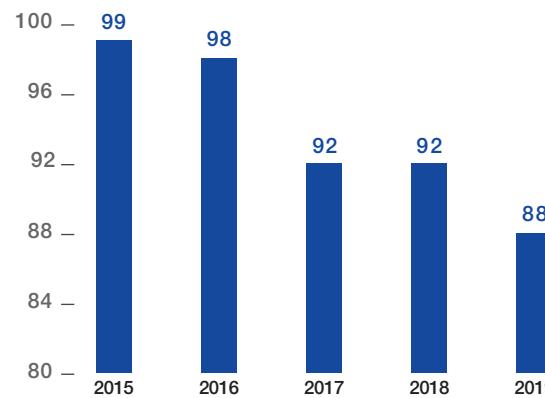
## Water Use and Conservation

We recognize that water is essential to the environment and has a variety of critical roles in society. One of these roles is in petroleum refining, which uses water for steam, process cooling and other process uses, such as operating wet gas scrubbers for environmental compliance. Our MPLX gas processing plants are designed to use little to no water in their routine operations. Instead of using steam for heating and water for cooling, nearly all our plants have hot oil heaters that transfer heat to the process and air-cooling units that circulate hot product through air-cooled radiators. These measures eliminate the need for cooling towers and steam boilers that rely on fresh water.

**4 new MPLX gas processing plants with a combined capacity of 800 million standard cubic feet per day – Zero freshwater use**

### FRESHWATER WITHDRAWAL INTENSITY

Megaliters / million BOE



Four of MPC's refineries are located in water-stressed regions as defined by the Global Reporting Initiative (GRI) and World Resource Institute assessment tools. Through our commitment to environmental stewardship, we continually evaluate opportunities to conserve water and manage our use of this shared resource in the communities where we operate.

We withdraw water from rivers, lakes, wells and municipal water treatment plants. Our recent conservation efforts have targeted reducing our water use, focusing on sourcing alternatives and opportunities for water reuse and recycling. We purchase recycled and treated wastewater at certain refineries to reduce withdrawals of fresh water. We

also collect condensate from steam – which we use in our processes or to power equipment – and reuse a portion of this water for further steam production. The water in our evaporative cooling towers is reused in several cycles to minimize freshwater additions, and wastewater at certain facilities is treated and recycled back to processes. Additionally, we routinely examine our water pipes and valves to determine if repairs are needed to prevent leaks and steam losses.

**73%**  
**of our water withdrawal is from non-stressed areas\***

\*per World Resources Institute Aqueduct Water Risk Atlas





## Refining Focus on Water Program

In 2019, we prepared to launch our Focus on Water program and began implementation in early 2020. This initiative, sponsored by our Executive Vice President of Refining, will help our refineries continue to assess their water use, recognize and mitigate water risks, and identify opportunities to reduce water demand.

With corporate oversight, each refinery is developing its own water balance, which accounts for a facility's water intakes, distribution, use, discharge and consumption. Finalizing these balances will allow standardized water monitoring and reporting to begin at all sites. Monitoring will increase the transparency of water distribution within refineries and permit benchmarking that allows us to establish targets and goals for each facility.

Our Focus on Water program supports our commitment to reduce freshwater withdrawals and incorporates reporting guidelines of the international Task Force on Climate-related Financial Disclosures and the GRI, which address several water-related metrics such as water intensity. Additionally, we regularly participate in industry trade groups where we can work with our peers to develop and share best practices. Our water intensity, defined as the number of barrels of water needed to process each barrel of crude oil, averages about 0.9 barrels of water across our refineries. This measurement is among several key performance indicators (KPIs) being developed for facilities under the program:

- Water recycling and reuse KPIs
  - Percentage of steam condensate recovered
  - Percentage of water demand from recycled and reused water
- Cooling tower and boiler KPIs
  - Number of cooling tower cycles per tower

We have initiated a pilot program at our Los Angeles refinery, which will establish a standard water management framework to apply to all refineries.

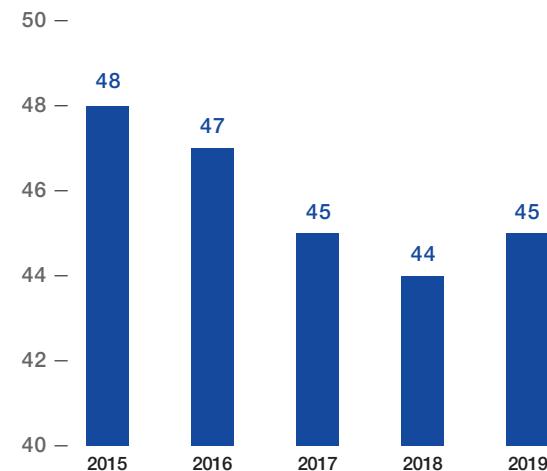
## Refining Wastewater Management

The advanced membrane bioreactor at our Detroit refinery, which is part of the process of recycling wastewater, was one of the first of its kind to be used in North America with refinery effluent. Across our other refineries, we operate 10 biological treatment plants and five pre-treatment facilities. Water not consumed in refining processes is collected at these on-site facilities to be treated and then discharged. Fully treated water goes to a surface body of water, such as a river, lake or bay. Partially treated water is discharged to publicly owned treatment works for further treatment. Our wastewater treatment facilities are operated and maintained to meet the strict environmental requirements in our National Pollutant Discharge Elimination System or industrial pre-treatment permits. To ensure our discharges meet

or exceed the requirements, we conduct internal testing and monitoring beyond what is required by the permits. Additionally, operating upsets or incidents are promptly investigated, a report is prepared for management review, and corrective actions are taken to minimize the risk of a reoccurrence.

## WATER CONSUMPTION INTENSITY

(Megaliters/million BOE)





## Water Reuse and Recycling at Our Refineries

Our refineries collectively saved hundreds of millions of gallons in municipal fresh water in 2019 through traditional approaches to water reuse, such as capturing steam condensate, as well as unique, site-specific recycling projects.

### Detroit refinery saved almost **83 million** gallons in freshwater withdrawals from municipal water supply in 2019

This refinery recycled almost 83 million gallons of wastewater in 2019. The site combines reverse osmosis with the advanced membrane bioreactor treatment process to remove contaminants from wastewater that would otherwise be discharged from the refinery. After some additional treatment, the treated water is then recycled to the boiler water treatment system and used to generate steam.

### Kenai refinery saved more than **1 million** gallons of water in 2019 through wastewater outfall flow project

A project commissioned in the fall of 2019 reduced wastewater outfall flow. The refinery installed a wastewater cooling exchanger that uses air instead of well water, thereby reducing water use and discharge flow. This saved more than 1 million gallons of water during the last two months of 2019 alone.

### Galveston Bay refinery saving more than **70 million** gallons of water per year

A series of steam recovery projects strengthened this refinery's water conservation, reduced its energy use and garnered national recognition from the EPA in 2019.

- At the end of 2019, the refinery launched initiatives that replaced 763 steam traps, and targeted energy reduction opportunities, including steam recovery. These combined efforts conserve water at a rate equal to more than 70 million gallons per year.
- The EPA showcased a steam project at the refinery's sulfur recovery unit during a 2019 webinar for companies that earned the EPA's ENERGY STAR® Partner of the Year award. This project helped decrease steam consumption at our refinery by 42,000 pounds per hour and avoids more than 27,000 tonnes of CO<sub>2</sub>e emissions annually.
- The gains from steam recovery are also helping to lower the refinery's energy intensity, which refers to its energy consumption compared to refineries of similar size. The EPA recognized the refinery at the 2019 ENERGY STAR® Industrial Partner and Focus Meetings for decreasing its energy intensity by almost 2%.

### Los Angeles refinery saved more than **91 million** gallons of water in 2019

This refinery decreased its freshwater withdrawals from the municipal water supply in 2019 by using a new anti-scaling product. This made it possible to increase the number of times water could be cycled back through five of the refinery's evaporative cooling towers, reducing the amount of make-up water required. Using this product saved more than 91 million gallons of water during the year.

### Salt Lake City refinery saved **31 million** gallons of city water in 2019

Two water-cooled heat exchangers that were connected to a closed-loop, circulating water system have lowered the refinery's use of municipal fresh water. Previously, city water would pass through the exchangers a single time and be discharged instead of being re-used. In 2019, the circulating system reduced the refinery's withdrawal of city water by 31 million gallons and consequently lowered its wastewater effluent discharge rate.



## Biodiversity

**MPC and MPLX employ multiple proactive measures to protect plant and animal species and preserve their natural habitats.**

Our Operational Excellence Management System (OEMS), overseen by our Vice President of Environment, Safety and Security, provides the procedural framework to ensure we account for the potential effects of our activities on ecosystems and prepare necessary mitigation procedures. Our approach also involves ongoing collaboration with applicable state and federal regulatory agencies, including the U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service, Bureau of Land Management and U.S. Army Corps of Engineers.

Our pledge to preserve biodiversity extends to educating our employees and the communities where we operate, such as through our involvement in the Wildlife Habitat Council's (WHC) land certification program. The WHC provides the only voluntary sustainability standard for biodiversity enhancement and conservation education activities on corporate lands. We own and manage more than 1,300 acres of WHC-certified habitat land at multiple locations, which support a variety of informational programs for students, community residents and employees.



### Wildlife Habitat Awareness

**The 23 WHC-certified habitat sites we owned and maintained in 2019 covered more than 1,300 acres, including a 360-acre wildlife reserve.**

A 2.4-acre plot at our corporate headquarters campus in Findlay, Ohio, is among our newest examples of WHC-certified habitat. Our work to fully develop this campus area in recent years was rewarded in January 2020 with certification from the WHC, which recognized our landscaping and special features to attract pollinators and birds, such as nest boxes for the nesting season.

Our Savage Branch Wildlife Reserve near our Catlettsburg, Kentucky refinery consists of 360 acres and is WHC-certified. In 2019, we provided educational opportunities to more than 1,100 students from regional elementary schools. Environmental experts from the refinery, the Kentucky Department of Fish and Wildlife and the Kentucky Division of Forestry presented lessons that involved hiking, planting native vegetation and identifying plant and animal species in the reserve's forest, pond/wetland and grassland habitats.

Our five WHC-certified habitat sites near the Robinson, Illinois refinery, which total 226 acres, also served as outdoor classrooms in 2019. Refinery representatives organized activities for more than 300 elementary school students, donating butterfly kits, binoculars and clipboards. Middle and high schools, as well as a local college, also used habitat areas, and the Illinois Environmental Protection Agency held its 2019 Intern Nature Day at one of the sites.

## Consideration of Biodiversity Impacts

Our MPLX pipeline construction and maintenance projects require thorough evaluations of potential biodiversity impacts before commencing work. Our policies and practices for pipeline siting, construction and operation generally align with the International Finance Corporation's Performance Standards on Environmental and Social Sustainability (Standards 1, 3, 4 and 6). For pipeline construction, we begin by determining the optimal route, considering these biodiversity impact factors:

- Areas of high ecological consequence
- Restrictions, such as known wildlife habitats, wetlands and archeological sites
- Undeveloped, greenfield sites versus existing rights of way
- Public lands, including parks, nature preserves and wildlife refuges
- Waterways and floodplains

For all activities involving disturbance to soils, we implement stormwater management controls to minimize the impact to lakes, rivers, streams and other bodies of water. Controls are implemented through the timely and informed application of Best Management Practices (BMPs) to foster compliance with federal, state and local stormwater pollution control requirements and in keeping with our commitment to environmental responsibility. BMPs cover preconstruction planning, temporary and permanent erosion control measures, and stream and wetland crossing processes.

Construction also integrates environmental reviews, which include field studies to examine natural resources and land use within our proposed project

footprints. Both new and maintenance projects near sensitive habitats can necessitate endangered species surveys. The results dictate project decisions, including the execution methods selected and whether to retain, remove or introduce vegetation to benefit any identified animal populations.

To protect ecosystems from releases of materials, we implement comprehensive pollution prevention and incident response programs. In the event a release occurs, we take steps to mitigate the effects and develop corrective measures. See Pages 56 and 57 for a description of our emergency response capabilities.

In Illinois, we voluntarily changed our technique for replacing a pipeline section that crossed a creek to prevent any harm to endangered Eastern Sand Darter fish. We originally received a permit to complete an open-trench cut of the creek to replace the pipeline. After learning this species was present, we worked proactively with the state to use horizontal directional drilling, allowing us to run the pipeline under the creek to avoid working in the water and impacting the fish.

Along Missouri's Gasconade River, we coordinated with the U.S. Army Corps of Engineers and the U.S. Fish and Wildlife Service to make certain our pipeline maintenance project did not adversely affect endangered mussels downstream of our project area. We voluntarily conducted a mussel survey prior to completing the maintenance activity, which confirmed no mussels were present in the project area.



## Restoration of Natural Habitats

After pipelines are installed, disturbed areas are graded to pre-construction contours as much as possible. We restore the land to equivalent capability, planting vegetation as necessary, and continue to manage the land to sustain growth. Within MPLX, this can also involve a weed management plan to minimize the spread of invasive weeds in our operational areas and maintain native species on our rights of way. When constructing projects in rural areas, we strive to accommodate the resumption of agricultural activities after construction. We also monitor wetland and watercourse crossing sites to confirm they are fully restored and functioning.

In Missouri, we chose to restore vegetation to the site of a pipeline replacement project even though endangered species surveys did not mandate this step. The project required clearing trees along the Missouri River near the community of Chesterfield in a known habitat for the endangered Indiana Bat and Northern Long-Eared Bat. Surveys before tree clearing began did not detect these bats, which meant revegetating the area would not be required. We coordinated with the U.S. Fish and Wildlife Service to restore vegetation, however, because of the land's potential as a future habitat.

## Protection of Endangered Species

In addition to project plans, MPC and MPLX also actively incorporate species preservation into various operational approaches. In several instances, we have voluntarily adopted changes, both temporary and permanent, to prioritize endangered species and their critical habitats.



Our emphasis on limiting our environmental impacts is exemplified at sea as well as on land. Our oil tankers that operate in the San Francisco Bay area and off the Southern California coast have been honored for their high level of participation in a federal program to protect endangered whales. The National Oceanic and Atmospheric Administration (NOAA) oversees a voluntary, vessel speed reduction program to lower the risk of fatally striking blue, fin and humpback whales that migrate to these areas in the summer and fall to feed. We received NOAA's Gold Award for our voluntary actions in 2019, which included proactively adding slower-speed instructions to the voyage orders of our chartered vessels to further support the safety of the whales.

MPLX utilizes an Avian Protection Plan to guard against interfering with the seasonal patterns of migratory birds. This plan corresponds with legal requirements of the Endangered Species Act, Migratory Bird Treaty Act, Bald and Golden Eagle Protection Act and other regulations for state-designated special species of concern. The provisions prohibit site disturbances, such as clearing vegetation, during the breeding and nesting seasons of designated species. If proposed projects are likely to coincide with these time periods, then the plan mandates developing mitigation strategies.



## Waste

At MPC and MPLX, we seek to minimize waste generation, encourage recycling of the waste that is generated and appropriately dispose of the remaining waste. Prevention of pollution and resource conservation is a stated commitment in our corporate policies.

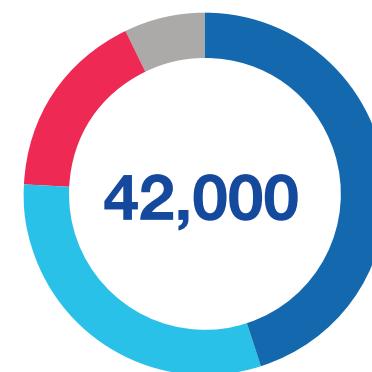
Waste minimization is a business priority allowing for financial and environmental benefits to both the company and the communities we call home. Therefore, we continually look to improve our maintenance and operations activities to reduce the volume of waste generated.

We carefully screen our vendors to ensure they meet our rigorous standards for recycled and disposed waste. This vetting program, including compliance with environmental laws and regulations, is called our Waste Management Vendor Approval Program.

### Reducing Waste for a Cleaner Tomorrow

In 2019, 39,000 tonnes of hazardous waste did not reach the nation's landfills as a result of our robust recycling program and innovative partnerships. Only 7% of hazardous wastes generated in 2019 were disposed in a landfill, although this figure can vary annually based on scheduled maintenance and remediation activities.

### 2019 HAZARDOUS WASTE DISPOSAL (thousand tonnes)



■ Recovery, including energy recovery	45%
■ Recycled	31%
■ Incineration	17%
■ Landfill	7%

**93%,  
39,000 tonnes,  
of hazardous waste was  
not landfilled:**

- Waste to fuel
- Waste to cement
- Catalyst metals reclamation
- Additional recycling programs



## Investing in Partnerships

**Waste to Fuel.** MPC and Fulcrum Sierra Biofuels, LLC have partnered together to turn municipal waste into low-carbon transportation fuels, thereby converting 250,000 tons/year of waste into useable product. Fulcrum's plant in Reno, Nevada will utilize a gasification process to turn sorted, municipal trash into a synthesis gas (syngas). The syngas will then enter a process to form a biocrude product that MPC plans to introduce into its refining process to produce low-carbon transportation fuel. In 2019, the refinery project team progressed a \$14 million project to receive and process Fulcrum's production of 800 barrels per day. In addition to the waste minimization advantages of this process, the low-carbon fuel produced will also avoid an estimated 69,000 tonnes of carbon dioxide equivalent ( $\text{CO}_2\text{e}$ ) emissions per year compared to traditional fuel alternatives. In addition to our focus on reducing our overall waste to landfill, this initiative directly supports our goal to reduce the carbon intensity of fuels and comply with EPA's Renewable Fuel Standard and the California Air Resources Board's low carbon fuel standard.

**250,000**  
tons/year of municipal  
trash to be converted into low-  
carbon transportation fuel

**69,000**  
tonnes of carbon dioxide  
equivalent ( $\text{CO}_2\text{e}$ ) emissions to be  
eliminated per year compared to  
traditional fuel alternatives

**Waste to Cement.** MPC and Circon Environmental continue to partner together to convert oil tank waste into cement, thereby reducing ash waste to landfills by 4,204 tons in 2019 and a total of 36,919 tons since 2014. The oil tank cleaning process produces a residual waste that can be used to fire kilns for the manufacturing of cement, a process that does not produce ash like traditional oil waste incineration. In addition, our oil waste that was burned in the kiln avoided an estimated 81,000 tonnes of carbon dioxide equivalent ( $\text{CO}_2\text{e}$ ) emissions since 2014 compared to traditional cement kiln fuels.

**Catalyst Metals Reclamation.** MPC and its strategic partner, AMG Vanadium (AMG), work together to improve the environment by minimizing waste and reducing GHG emissions. In 2019, in lieu of landfill disposal, MPC delivered 5,300 tons of spent catalyst to AMG. AMG extracted the vanadium and other valuable metals to produce ferrovanadium and a ferronickel molybdenum alloy, which are sold to the steel industry. This reclamation process produces 41,500 fewer metric tonnes of  $\text{CO}_2\text{e}$  emissions than the traditional steel manufacturing process.

since **2014**  
we have avoided  
**36,900**  
tons of ash to landfills  
and  
**81,000**  
tonnes of carbon dioxide  
equivalents ( $\text{CO}_2\text{e}$ )

**5,300**  
tons of spent catalyst avoided landfills

**500**  
tons of vanadium reclaimed  
for steel production

**41,500**  
metric tonnes of  $\text{CO}_2\text{e}$  emissions were  
avoided when compared to mining for  
virgin ore

## Applying Sustainability to Soil Remediation

Environmental remediation removes contaminants from water and soil to protect human health and restore the environment. However, even remediation activities can create an environmental footprint. For this reason, MPC is further enhancing our remediation program by integrating a sustainability assessment to maximize the net environmental and social benefits of cleanup projects. This assessment evaluates ways of reducing a project's anticipated impact by thoughtfully considering greenhouse gases, air emissions, energy use, waste, water use and raw materials, as well as natural treatment systems, such as constructed wetlands that decrease the need for more energy-intensive actions.

For example, rather than use soil remediation techniques that utilize landfill disposal methods, MPC partnered with the landowner and regulators at a site in Alaska to implement an innovative phytoremediation method to remove contaminants, thereby cleaning the soil and groundwater and avoiding landfill waste. Over a span of three acres, we planted 550 native balsam poplar trees inoculated with a specific bacteria that can degrade contaminants in the soil. Through this process, the trees will absorb groundwater and treat it through their natural processes, shortening the need for a mechanical system by as much as seven years. This revised strategy could reduce CO<sub>2</sub>e emissions during the project's lifecycle by an estimated 90 tonnes, which is nearly equal to the annual average energy use of 11 homes.





## Spill Prevention

Protecting our people and the environment we share has been a priority for us throughout our 132-year history. We are committed to operating our vessels, pipelines, and manufacturing and processing facilities safely and responsibly. We safeguard the environment through our operational practices and technology with the goal of zero spills.

### Pipeline integrity management and damage prevention programs focus on zero spills

MPLX subsidiary Marathon Pipe Line LLC (MPL) uses comprehensive risk-based integrity management practices to ensure the safety of the facilities and pipelines we operate. Our Integrity Management Program utilizes state-of-the-art inspection methods and evolves continuously to allow for the adoption of new technologies and industry-leading practices. Our skilled engineers devote significant time serving on industry committees tasked with improving pipeline integrity standards, and we invest in the research and deployment of advanced technology to continuously improve our performance. In-line inspection tools enable us to closely examine the insides of pipelines using advanced imaging technologies, providing useful data to identify corrosion, cracking, dents, or damage caused by third parties or weather before a leak or spill occurs.

Through technological innovation, we are better able to protect the integrity of our system, upholding our core value of safety and environmental stewardship.



MPL embarked on a multiyear journey, investing millions of dollars to drive a step-change improvement to in-line inspection crack detection technology. We helped develop the industry's first-ever hook crack sizing specification and increased the probability of detecting critical seam issues to 99% from 90% previously. We successfully applied this new technology to MPL pipelines throughout the year. We allowed this tool to be marketed by the third-party vendor so that the entire pipeline industry can benefit from the enhanced technology.

Another critical program to prevent spills is MPL's waterway crossing program. We perform waterway crossing inspections to examine pipelines under some streams, rivers and lakes. MPL advanced the use of high-resolution sonar for precise waterway crossing inspection and repair during flood events. Expanding the use of this new technology provides more complete and accurate information for our integrity engineers to assess appropriate inspection intervals and repairs.

To ensure our pipelines are not impacted by third-party damage, MPL continually educates the public about the national "811 Call Before You Dig" program and implements a variety of programs to educate the public and our landowners about where our pipelines are located. Our skilled, trained technicians responded to nearly 165,000 811 calls in 2019. Additionally, we conduct weekly aerial inspections of our pipeline rights of way, weather permitting, to identify and report unauthorized excavation activities near our pipelines. We're now putting extra eyes in the skies with cameras attached to some of the aerial patrol planes, so we can capture optical imagery of our pipelines on each flight. Through change-detection technology, we are working on a project that will enable automatic alerts to changes on the rights of way that could affect safe operation of our pipelines.



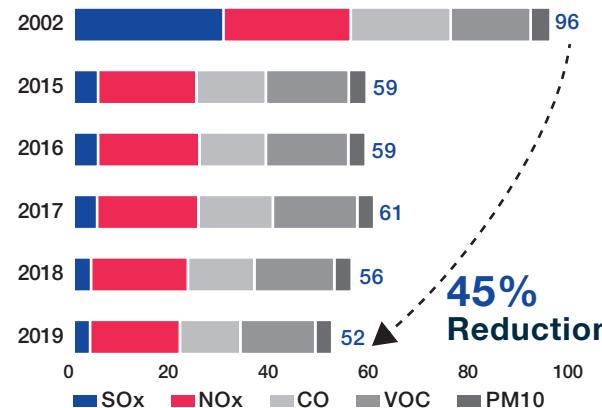
## Air Quality and Emissions

Our commitment to improving air quality begins at our facilities and extends to the transportation fuels we produce. We have a comprehensive approach to improving air quality that targets lowering emissions of criteria pollutants, reducing flaring at our refineries, minimizing fugitive emissions, and producing cleaner-burning fuels.

### Criteria Pollutant Emissions

#### COMPANY-WIDE CRITERIA POLLUTANT EMISSIONS

(thousand tonnes)



We have achieved a significant reduction in criteria pollutant emissions while increasing throughput in our Refining segment, adding our entire natural gas Gathering and Processing business, and growing our logistics assets since the 2002 baseline year.

### Fuels Compliance

MPC has made significant investments in its facilities to ensure our fuels meet stringent sulfur, benzene and lead requirements. As a result, our transportation fuels no longer contain lead, and our 2019 fuels complied with the annual and per-gallon sulfur and benzene U.S. EPA standards. Lower benzene and sulfur in fuel translates to cleaner air, in part because of improved vehicle emission control technology. MPC has invested approximately \$1 billion to reduce sulfur in our gasoline to meet U.S. EPA Tier 3 standards. We are also investing roughly \$470 million to produce

renewable diesel at our Dickinson, North Dakota facility, which will primarily serve the California low-carbon fuel market.

As we further enhance our fuels, we provide the public access to health and safety information about our products. Safety data sheets and product labels are available on the websites of MPC and our Speedway retail subsidiary to provide guidance on handling, storing and disposing of our products. The safety data sheets also contain a phone number the public can call to address any product questions or concerns.



## Salt Lake City Refinery Low Sulfur Fuel

In 2019, we completed a project at our Salt Lake City refinery to produce low-sulfur fuel. This low-sulfur fuel lowers tailpipe emissions by as much as 80% in the average new passenger vehicle.<sup>1</sup> This project earned several awards, including:

- Utah Manufacturers Association 2019 Manufacturer of the Year Award
- Envision Utah's 2019 Common Good Award
- Recognition from Utah's Office of Energy Development

"Marathon stepped up and said, 'We'll lead out,' and invested nearly \$100 million to produce the fuel here."<sup>2</sup>

**Gary Herbert, Utah Governor**

<sup>1</sup> Utah Department of Environmental Quality, *Tier 3 Standards Will Help Clean Utah Air*

<sup>2</sup> Reported by The Salt Lake Tribune

## Terminals Fugitive Emissions

We utilize optical imaging camera technology to scan our terminal equipment and make any necessary repairs to minimize emissions. As of Dec. 31, 2019, this voluntary program has been implemented at 84 MPLX terminals.

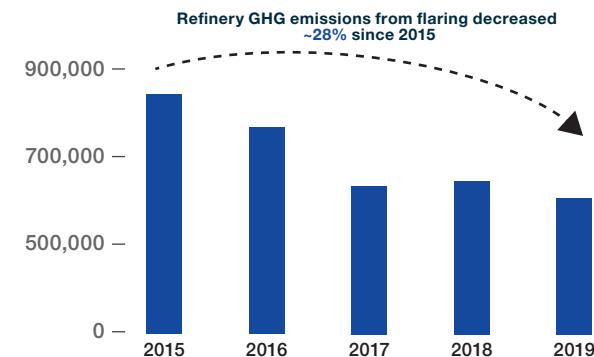


## Refinery Flaring Reduction

We have reduced flaring at our refineries through our waste gas source reduction programs coupled with installation of flare gas recovery systems at 13 of our 16 refineries. Gas is returned to the refining process rather than flared, thereby reducing GHG emissions and criteria pollutants.

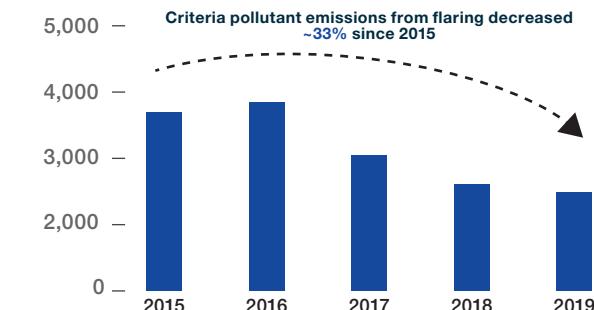
### GHG EMISSIONS FROM REFINERY FLARES

(tonnes)



### CRITERIA POLLUTANT EMISSIONS REFINERY FLARES

(tonnes)





# CREATING SHARED VALUE AND OPPORTUNITY

## Highlights

- ★ **95%** score achieved on the Human Rights Campaign Foundation's 2019 Corporate Equality Index
- ★ **Over 55,000** employee volunteer hours in our communities
- ★ Supported **534** nonprofits and **128** schools
- ★ Enhanced parental leave benefits
- ★ Speedway named Children's Miracle Network Hospitals Corporate Partner of the Year
- ★ Tribal Affairs Work Group
- ★ Donated **\$1 million** to the American Red Cross and more than **500,000** N95 respirator masks in response to COVID-19

## Useful Resources

- Human Rights Policy
- Stakeholder Engagement Policy
- Supplier Code of Conduct
- Marathon Petroleum Foundation, Inc.
- [www.myMPCbenefits.com](http://www.myMPCbenefits.com)



Children enjoyed the opportunity to sit in a MPC transport truck at Findlay's Touch-a-Truck event

We recognize the importance of positive, meaningful interactions with a broad spectrum of stakeholders, and that they are central to creating shared value and mutual benefit. Our people, our communities and our suppliers are integral to *creating shared value and opportunity*. Empowered employees across our operations, collaborating and inspiring each other, are the heart of the company and the key to realizing our vision. Our approach to stakeholder engagement builds support for business operations, fosters strong community ties so that we can maximize our positive impacts, and maintains continuous dialogue with community leaders and representatives where we operate. Our reliable, highly capable and trusted suppliers are treated as true partners and shown respect in accordance with our values leading to superior results and opportunities. At MPC, we believe that creating shared value through our people, our communities and our suppliers helps to ensure the social and economic needs of future generations are met.





## Our People

At MPC, we believe our employees are our greatest source of strength, and our culture reflects the quality of individuals across our workforce. Our collaborative efforts to foster an inclusive environment, provide broad-based development and mentorship opportunities, recognize and reward accomplishments, and offer benefits that support the well-being of our employees and their families contribute to increased engagement and fulfilling careers. Empowering our people and prioritizing accountability also are key components for developing MPC's high-performing culture, which is critical to achieving our strategic vision.

### Our Core Values

Our success is predicated on fostering a working environment where our actions reflect our belief system and support MPC's responsibilities to all stakeholders, including our people. In October 2018, MPC and Andeavor came together in a strategic combination that made MPC a coast-to-coast refining, marketing and logistics company. In 2019, we established a new set of core values to articulate our collective beliefs, guide our behaviors, and provide a framework for how we treat each other and how we conduct business as a newly integrated unified company.



#### Safety and Environmental Stewardship

Protecting our people and the world we all share has been and remains a priority to MPC. We aim for an accident-free, incident-free workplace to ensure everyone goes home safely, every day. We are committed to safe and environmentally responsible operations to protect the health and safety of our employees, contractors and communities.



#### Integrity

Integrity at MPC is more than the business conduct policies and procedures we follow. We set high expectations for ourselves and build trust in each other, with business partners, shareholders and the communities where we work and live. We say what we're going to do — and then do it.



#### Respect

Respect is built upon the principle that every one of us is valuable and contributes toward achieving our vision. We treat everyone professionally, with courtesy, honesty and trust. We consider how other people's ideas can improve what we do, and we encourage everyone to openly share their perspectives, ideas and concerns.



#### Inclusion

We value diversity in culture, background, perspective and experiences. We strive to provide our employees with a collaborative, supportive and inclusive work environment where they can maximize their full potential for personal and business success. This happens when our employees, contractors and other stakeholders feel valued themselves and value others for who they are.



#### Collaboration

We are a company of driven, accomplished professionals who are more than the sum of their training and experience. We actively partner with our communities, governments and business partners to find and create shared value, making a positive difference together. We foster constructive, solution-oriented dialogues; we genuinely listen to one another and seek out perspectives different from our own.



## Human Rights

MPC and MPLX have a long-standing commitment to human rights, and in 2020 we adopted a new Human Rights Policy to complement the responsibilities set forth in our Code of Business Conduct. Our policy describes our obligation to respect the rights of our employees and members of the communities where we operate, and provides guidance on managing this important obligation, including conducting due diligence and remediating human rights impacts. We apply the same expectations to our suppliers, contractors and other business partners.

We support the goals and principles of the United Nations Universal Declaration of Human Rights. Our commitment extends to the fair treatment and meaningful involvement of all people, including indigenous people, regardless of race, color, gender, gender identity, national origin, sexual orientation or income level.

Our Human Rights Policy also expressly states our support for the Voluntary Principles on Security and Human Rights, a collaborative multistakeholder initiative guiding companies on providing security for their operations while respecting human rights. Accordingly, we regularly perform risk assessments to continually improve our security processes and evaluate our relationships with public and private security providers. In addition, our employees or contractors who oversee the security of our assets receive training to ensure conduct is consistent with the Voluntary Principles and the protection of human rights.

## Diversity and Inclusion

Our company-wide Diversity and Inclusion (D&I) program is managed by a dedicated D&I Office team and supported by leadership. Our program is based on our three-pillar D&I strategy. The strategy focuses on understanding the benefits of diverse perspectives, increasing diversity across the organization and recognizing that cultural inclusion is an ongoing process.

### Our Three D&I Pillars

#### Building Awareness

A truly inclusive and collaborative work environment is developed through an appreciation of the similarities and differences of every individual and acknowledging the value added by diverse perspectives. We regularly host D&I workshops and employee-led panels, and also develop training programs, often with the support of our Employee Network Groups. In our communities, we engage in outreach and participate in community-led diversity celebrations and educational events.

#### Increasing Representation

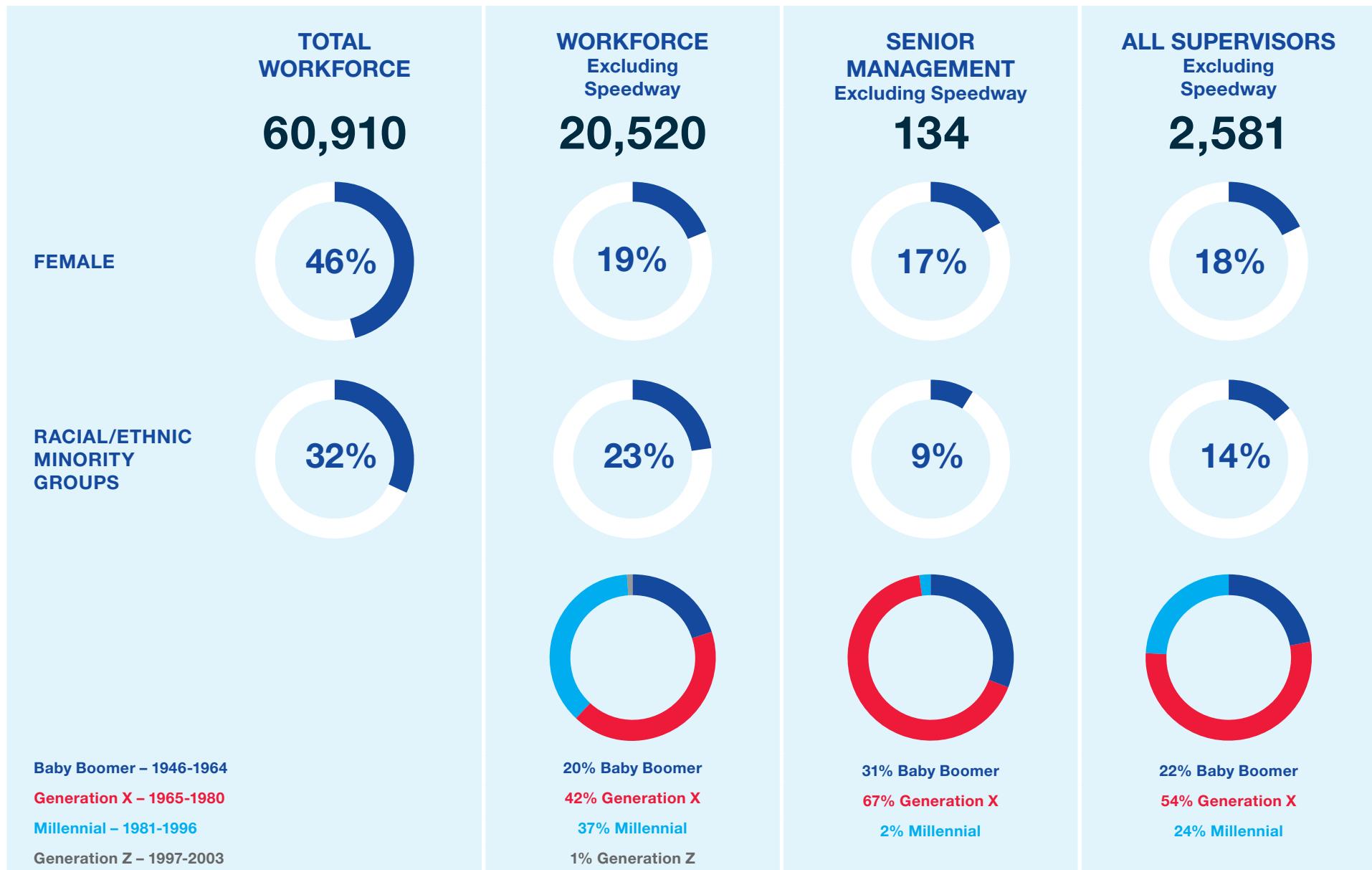
Increasing diverse representation throughout our workforce is our primary D&I objective, and we vigilantly monitor our progress, provide quarterly updates and engage in ongoing dialogue with our leadership team. As part of our Diversity Improvement Plan launched in 2019, we enhanced our talent acquisition practices to reflect our commitment to diverse candidates in the hiring process. With the support of executive leaders, we extended our balanced slate approach to all positions at manager level and higher, which means that we use our best efforts to include at least one qualified individual who is female or from a racial or ethnic minority group in the final candidate pool. These efforts are coupled with additional hiring process enhancements, such as providing training to avoid unconscious bias in hiring, ensuring diversity on all hiring and interviewing teams, requiring internal and external postings of positions, and leveraging our Employee Network Groups.

#### Ensuring Success

To ensure success, we reinforce our value of inclusion through active engagement from our leaders, who provide individual mentoring to employees. We also provide peer support and development programs, and review participation rates to avoid disparate representation. Our Employee Networks are critical contributors to our employees feeling engaged and included, and we have incorporated communications from our networks into the onboarding process for new employees. We also periodically perform targeted D&I assessments to identify areas for improvement within the organization.

MPC enforces Human Resources policies to protect and support employees, such as anti-discrimination, anti-harassment, drug and alcohol use, workplace violence and reasonable accommodation policies. We do this, in part, by periodically communicating about these policies and requiring supervisors and employees to complete tailored, web-based trainings on these issues.

## 2019 Workforce Profile



## Employee Networks Groups

In June 2019, we launched our Employee Networks across the organization. These networks focus on six populations: Asian, Black, Hispanic, Veterans, Women and LGBTQ+. All networks encourage ally membership. Over their first six months, our Employee Networks quickly expanded to 54 total network chapters across 79% of our locations, with over 1,900 employees participating. This broad support extends also to our leaders throughout MPC, with each Employee Network represented by two active executive sponsors. The sponsors form several counsels that meet regularly to share updates, gain alignment, build deeper connections across networks and pursue collaboration ideas. Our Employee Networks not only provide opportunities for our employees to make meaningful and supportive connections, but they also serve a significant role in our D&I strategy.



**HOPE**  
Asian Employee Network



**PROMISE**  
Black Employee Network



**Familia**  
Hispanic Employee Network



**HONOR**  
Veterans Employee Network



**ARISE**  
Women's Employee Network



**Pride**  
LGBTQ+ Employee Network

"The MPC Black Employee Network is helping the company recruit, retain and advance minority representation in our workforce and leadership team. This will allow the company to benefit from the talent across a diverse set of employees."

**Pamela K.M. Beall,  
Executive Vice President and  
CFO – MPLX**



Black Employee Network Event

## Findlay Diversity & Inclusion Coalition

Our focus on inclusion extends beyond our workplaces and into our communities. In 2018, we helped to form a coalition of area businesses in Findlay, Ohio, dedicated to making our corporate hometown a more inclusive community. We meet quarterly with our partners to coordinate activities that make a positive impact. In 2019, the Findlay D&I Coalition advocated for increased financial support for its yearly Pride Picnic, organized participation in the city's Independence Day Parade, and collaborated with the mayor of Findlay on her proclamation declaring Findlay an inclusive community.



Findlay D&I Coalition participated in the city's Independence Day Parade

## Talent Management

Executing our strategic vision requires that we attract and retain the best talent. Recruiting and retention success requires that we effectively nurture new employees, providing opportunities for long-term engagement and career advancement. We also must appropriately reward high-performers and offer competitive benefits.

### Talent Acquisition

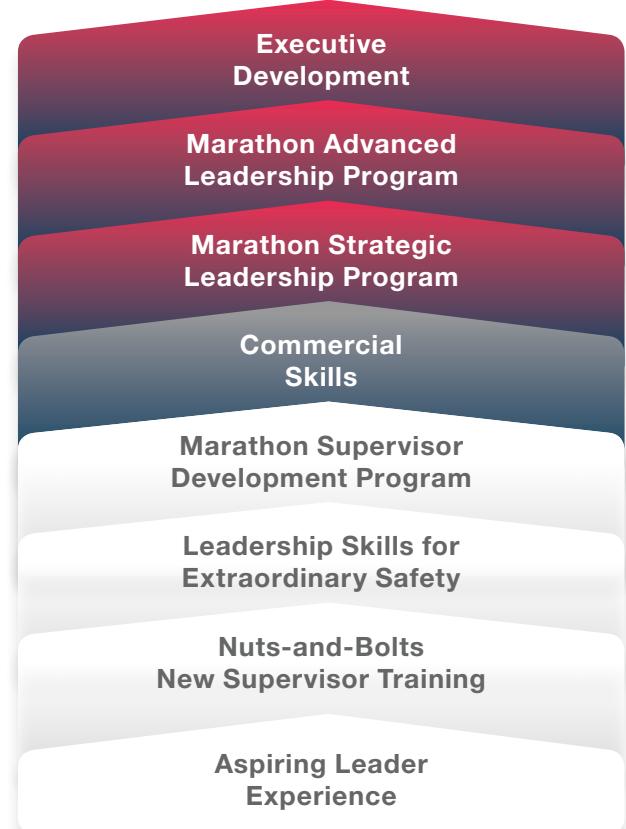
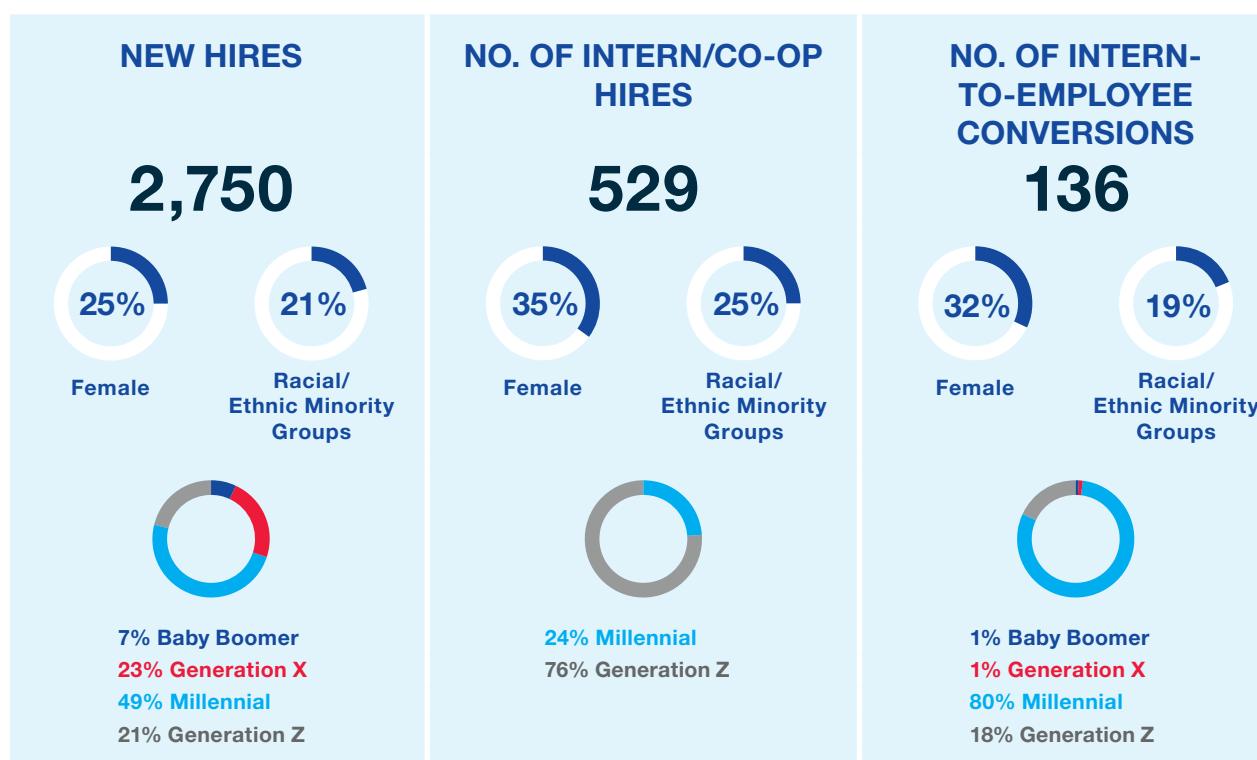
Our Talent Acquisition team consists of three segments: Executive Recruiting, Experienced Recruiting and University Recruiting. The specialization within each group allows us to specifically address MPC's broad range of current and future talent needs, as well as

devote time and attention to candidates during the hiring process. We value diverse perspectives in the workforce, and accordingly we seek candidates with a variety of backgrounds and experience.

Our primary source of full-time, entry-level new hires is our intern/co-op program. Through our university recruiters, we offer college students who have completed their freshman year the opportunity to participate in our hands-on programs focused in areas of finance and accounting, marketing, engineering and IT.

### Leadership Development and Skills Training

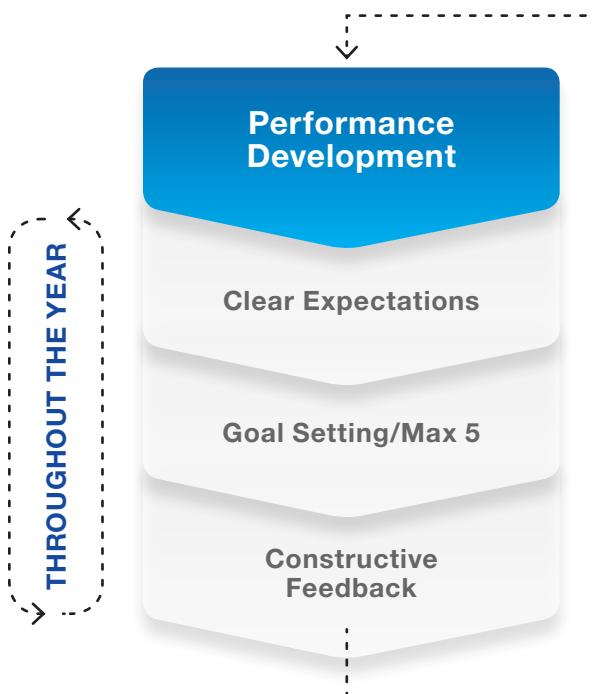
We provide a broad range of leadership training opportunities to support the development of leaders at all levels. Our programs, which are offered across the organization, including Speedway LLC, are a blended approach of business and leadership content, with many featuring world-class external faculty. We utilize various learning modalities, such as visual, audio, print, tactile, interactive, kinesthetic, experiential and leader-teaching-leader to address and engage different learning styles. We believe networking and access to our executive team are a key leadership success factor, and we incorporate these opportunities into all of our programs. In 2019, there were 740 participants in 36 MPC Development Programs.



## Employee Development

**Mentorship Program.** We are refreshing our mentorship program, which we expect to launch in 2020. We have conducted interviews with a variety of stakeholders, including gathering information from our Employee Networks, to understand the general needs and considerations for building an effective program that serves to retain and engage our employees for long-term success.

**Performance Accountability Process.** We encourage our employees to take ownership of their careers at MPC. Recognizing that setting clear expectations and providing constructive feedback is critical for career development, we promote ongoing dialogue with supervisors, and 100% of our salaried exempt and salaried nonexempt employees as of Sept. 30 each year participate in our annual performance review process.



Our performance development process is designed to help employees focus on the core aspects of their job, clearly understand expectations, and balance results (what gets done) and behaviors (how it gets done). Supervisors and employees establish no more than five performance commitments annually, which we refer to as “Max 5 Goals,” that encompass the employee’s most important job responsibilities. We emphasize collaboration with supervisors to set clear metric targets, and employees are accountable for their results. At the end of the performance cycle, employees receive a scorecard that summarizes results, including an assessment of performance in terms of values, knowledge and competencies.

Employees and supervisors also are expected to discuss career development goals. Further linking the performance process to career advancement, supervisors and managers are required to include a specific goal related to demonstrating effective leadership as part of their Max 5 Goals.

We directly link compensation to performance to appropriately reward high performers and identify candidates for promotion opportunities.

### Compensation and Benefits

To ensure we are offering competitive pay packages in our recruitment and retention efforts, we annually benchmark compensation, including base salaries, bonus levels and equity targets. Our annual bonus program is a critical component of our compensation, as it provides individual reward for MPC’s achievement against preset financial and operational goals, encouraging a sense of employee ownership. We have two annual bonus programs designed to align our employees’ discretionary compensation with company performance: one for salaried exempt and salaried

nonexempt employees, and one for hourly employees. Employees in our Officer-level pay grades, as well as those in our top six pay grades below the Officer level, are eligible to receive long-term equity incentive awards as part of their compensation.

**Nearly 100% of our employees participate in our annual bonus programs (excluding Speedway)**

We offer comprehensive benefits, including medical, dental and vision insurance for our employees, their spouses or domestic partners, and their dependents. We also provide retirement programs, life insurance, education assistance, family assistance, short-term disability and paid vacation and sick time. For 2019, following our combination with Andeavor, we enhanced several of our benefits programs to reflect our larger, coast-to-coast organization. We increased the maximum accrual cap for vacation banks to two times the employee’s annual vacation benefit. This means an employee whose annual vacation benefit is four weeks can accrue up to eight weeks of vacation in their vacation bank. We also doubled the number of college and trade school scholarships offered to the high school senior children of our employees through the Marathon Petroleum Scholars Program. In addition, we increased our paid parental leave benefit to eight weeks for birth mothers and four weeks for nonbirth parents, including adoptive and foster parents. Both full-time and part-time employees are eligible for this benefit, meaning that, in 2019, 99% of our employees were eligible for paid parental leave. Parents who both work for the company are each eligible for a parental pay benefit.



## Our Communities

### Community Engagement

We are proud of the positive relationships we have built with our local community stakeholders. At each of our sites, we are focused on understanding our stakeholders' goals, projects and concerns, and incorporating stakeholder feedback into our business strategies to create shared value. Our engagement programs, which are overseen by our executive leadership, ensure that we establish regular communications with our local stakeholders, assess community impacts, create development programs, and provide opportunities for stakeholders to share any concerns. Our community engagement also seeks to identify and connect with indigenous people who live near our operations.

Throughout MPC and MPLX, we believe that being a good neighbor means promptly addressing and responding to community concerns. We maintain hotlines for neighbors of our facilities and landowners of our pipeline rights of way. These local hotlines are critical components of our community engagement programs, allowing neighbors and communities to call anytime with concerns or questions. We direct concerns to the appropriate department to be addressed and, when needed, we escalate concerns to facility managers and other leadership.



## Stakeholder Engagement Plans

We believe it is important to coordinate across the organization to prioritize our stakeholders' interests and to oversee progress toward our shared goals. We also recognize that each community in which our refineries operate is unique. Accordingly, our stakeholder engagement plans are a collaborative effort between corporate and facility leadership to develop and document a differentiated plan for each facility or geographic area. These plans contain the objectives, strategies and tactics that can guide effective engagement with stakeholders, including:

- Community leaders and neighbors
- Select advocacy groups, nonprofit organizations and media
- State and local government and regulatory officials and their staffs
- Major customers and business partners
- Employees and retirees

While there are some elements consistent across all plans, each facility identifies strategies to engage key stakeholders and audiences that are unique to their circumstances.

A majority of our refineries convene Community Advisory Panels (CAPs), which include representatives from various stakeholder groups and MPC employees. These CAPs meet on a regular basis and provide an opportunity for refinery leadership to update the

community on key projects and share the facility's safety and environmental performance. We also solicit feedback from the community at our CAP meetings, giving us critical insight into our role in the community and allowing us to modify our operations, if needed.

### Define Priorities, Impacts and Issues

### Identify Stakeholders and Resources

### Purposeful Communication

### Sustainable Investment

### Deliberate Engagement

### Track and Measure Engagements

### Shared Value

## El Paso Refinery Holds Community Health Fair

Our engagement activities include providing opportunities for MPC employees to interact with community members on an informal basis. At our El Paso refinery, we sponsor an annual health fair where residents can get a flu shot, obtain free medical screenings and pick up helpful information from approximately 75 vendors. We also incorporate many child-focused activities to make the event appealing for all ages. We have received positive feedback from attendees at this event and learned of lives changed as a result of information received at the fair. We are proud to extend our focus on health and well-being to our communities.



## Stakeholder Engagement at the Detroit Refinery

In 2019, MPC proactively took several actions to address stakeholders' concerns related to our Detroit refinery and to enhance transparency with media and local officials. The refinery hosted educational refinery tours for our stakeholders throughout the year to demonstrate the extensive investments we have made to prevent emissions from escaping our petroleum coke system. We produced an informational video about the refinery's state-of-the-art coker operation and published it on a community website dedicated to the Detroit refinery's operations. Throughout the year employees volunteered their time cleaning up neighborhoods, homes and schools during the Life Remodeled project; giving away backpacks before school to day camp kids; participating in a local "trunk or treats" Halloween event; distributing over 500 bags of food at the local Turkey Drive; providing coats for neighborhood kids; and organizing other holiday drives where over \$13,000 was donated for reinvestment in the community. In addition, nearly 100 local employees coordinated two MPC Detroit Community Days in 2019 for over 1,500 community members. We provided family activities, meals, sweatshirts and other giveaways, as well as free on-site haircuts and nail painting for kids. The events provide a great opportunity for our employees to engage directly with those living right around the refinery.

## Earning Your Trust Program

Through its Earning Your Trust program, Marathon Pipe Line (MPL) engages the public and key stakeholders on the importance of pipeline infrastructure, encouraging landowners and communities to join us as guardians of public safety. The Earning Your Trust program helps MPL focus on stakeholder engagement while encouraging employees to be positive ambassadors when interacting with the public.

### Landowners

MPL is always listening to its landowners. We garner feedback through surveys and focus groups and gather trust score data to help us focus our outreach efforts where they are needed most. In 2019, MPL held **six events reaching 1,450 landowners and mailed communications to more than 28,000 households**. Focused outreach events for farmers, who account for 50% of our landowners, were held throughout the year. Small events can have a big impact when the heart of the mission is to connect and educate others.



### Communities

In 2019, MPL held **20 emergency preparedness workshops and hosted 78 local community events, reaching 60 local public officials, 259 emergency officials, and 123 places of congregation, including hospitals, long-term care facilities, daycares and schools**. As a guardian of public safety, educating our communities on pipeline safety is essential.



### Industry and Public Officials

As the petroleum pipeline industry works to shift from public awareness to public engagement, MPL openly shared best practices we have discovered and implemented as we continue our journey to earn the public's trust. To continue educating and influencing change at the state level, MPL held **five events that engaged more than 250 public officials and legislators**. A first for MPL, we hosted two Legislator Days in Indianapolis and Jefferson City, Indiana. The events included educational booths featuring smart tools, drones, and the Marathon Pipeline Finder App.

### Schools

MPL provided Earning Your Trust outreach efforts at **29 schools and youth programs, reaching more than 3,000 students**. MPL has developed tailored programs for school-aged children. Petroleum Fuels My Life (grades 3-5) and Moving Energy (grades 6-12) help educate students about our industry through hands-on activities and demonstrations.

## Working with Indigenous Communities

Building and maintaining relationships with indigenous groups near our existing facilities and proposed projects is a vital part of our business. We recognize indigenous groups as our partners who have a distinct relationship with the land, and we are committed to respecting their rights as we interact with them on operational matters.

The MPC Tribal Affairs Work Group is our proactive approach to understand areas of concern and to build sustaining relationships with tribes within our operational footprint and with federal, state and local agencies involved in tribal issues. By anticipating and addressing matters that are relevant to both MPC and tribal stakeholders, we create mutually beneficial opportunities. This past year we were able to partner with several organizations and strengthen relationships with indigenous stakeholders.

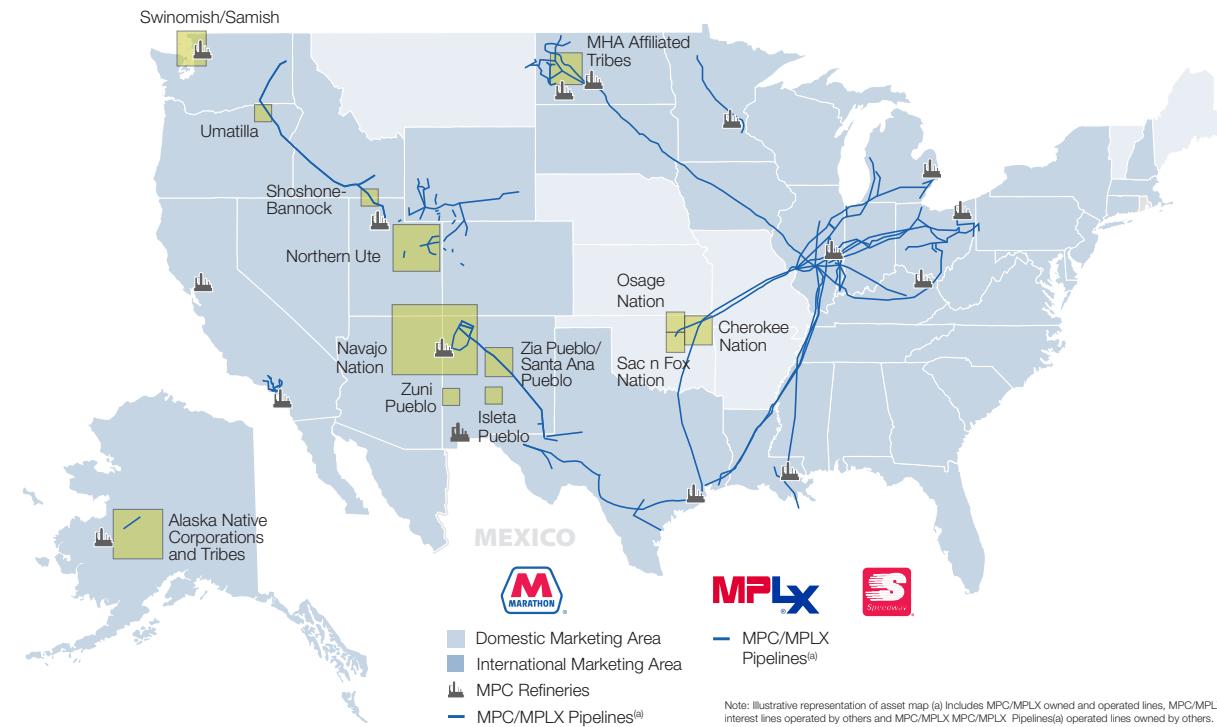
In response to COVID-19, we supported the Navajo Nation in New Mexico and Swinomish tribe in Washington during their response efforts. The Navajo Nation in particular faced significant impacts from the pandemic. We donated \$20,000 for medical supplies to Navajo Medical Services, as well as 20,000 N95 respirator masks, 500 digital thermometers, 150 gallons of hand sanitizer, 5,400 surgical masks, and 5,000 cloth masks. Additionally, we sent 1,000 N95 respirator masks to the Swinomish tribe.

## 2019 Highlights

MPC was a key partner and investor for the Navajo Energy Summit, a three-day event for the Navajo Nation that provides a holistic approach to energy that includes environmental conservation and incorporates the following aspects of Navajo Nation life, culture and resources:

- Navajo minerals, oil, gas, renewables
- Agriculture, forestry, heritage and historical preservation
- Water resources, parks and recreation, resources enforcement
- Land development

## MPC TRIBAL AFFAIRS



MPC was the major sponsor of the Gallup Inter-tribal Indian Ceremonial. The Ceremonial is a week-long celebration of all things Native American; from an arts exhibit, song and dance competition, nightly dance performances, a pow-wow, a queen contest and tiny-tot pageant, and many rodeo events.

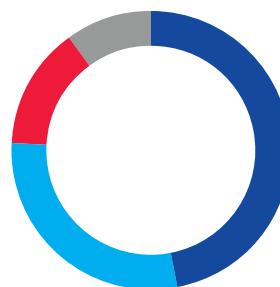
MPC was a sponsor of the Ute Nation Summer Pow-Wow. With significant operations on Ute tribal lands, we are proud to support important customs of the people living on this land. The summer pow-wow is the tribe's main event each year.

MPC's Tribal Affairs Group donated \$8,000 to the Manuelito Navajo Children's Home (MNCH). This money was used to help complete a transitional housing project for the home. The MNCH houses 20 children who are permanently placed in their facility, either by New Mexico Social Services, the Navajo Nation Social Services, the Zuni Tribal Social Services, or by families that are unable to care for the children. By building a transitional housing unit for the children, MNCH will provide the children with the option of transitioning to the workforce while remaining in a safe environment.

## Making a Difference in our Communities

Since our founding in 1887, MPC's roots have been firmly planted in the communities where our employees live and work. We believe our responsibility to these communities does not end with simply delivering the fuels and other products that enhance life's possibilities. Whether through the Marathon Petroleum Foundation, our new "MPC Gives" program or other community activities, our philanthropic efforts touch the lives of thousands.

### COMMUNITY INVESTMENT AT A GLANCE



#### SPEND BY CATEGORY

■ STEM	47%
■ Public Safety	29%
■ Environment	14%
■ Community Goodwill	10%

### Marathon Petroleum Foundation, Inc.

The Marathon Petroleum Foundation's mission is to strengthen communities and help make people's lives better. Our 501(c)(3) charitable foundation actively seeks to make investments and partner with charitable organizations in three areas that reflect the priorities of our community stakeholders, align with our core values, bring our strategy to life, and where we believe MPC and the Marathon Petroleum Foundation can make

a positive, measurable impact: science, technology, engineering and math (STEM) education; public safety; and environmental conservation/sustainability.

The Marathon Petroleum Foundation had a busy and productive 2019 – a year during which we saw firsthand the positive impact we had and the smiles of those who benefited from the programs and services we provide from coast to coast.



**Marathon Petroleum  
Foundation, Inc.**





## STEM Education

**Increasing access to high-quality educational resources and instruction provides STEM opportunities for students and helps to develop the skills needed for rewarding careers.** Many young people who live in high-poverty communities grow up without exposure to STEM education opportunities, and even fewer receive much needed job skills training. In response, the Marathon Petroleum Foundation collaborated with the **Boys and Girls Clubs of Los Angeles Harbor, Long Beach and Carson, California**, to offer the MPC STEM ACADEMY, an afterschool program aimed at young people from low-income households. MPC STEM ACADEMY provides two to four hours of STEM-related learning opportunities to middle-school students two to three days a week at multiple sites. Through a combination of hands-on, project-based activities, academic support (such as tutoring), field trips (including to science centers, businesses, colleges and universities) and presentations from experts and professionals (including MPC employees and other volunteers), students increased their awareness, understanding of and interest in STEM-related concepts, post-secondary educational opportunities and careers.

Families, the Boys and Girls Club staff, and students themselves found that program participants honed more than just technical skills; they developed social and emotional learning competencies related to self-awareness, self-management and relationship skills, all vital building blocks necessary for developing a skilled and sustainable career.

## Public Safety

**Promoting the health and safety of our people extends to our communities, where we focus on building stronger, safer places to live, work and play.** The Marathon Petroleum Foundation joined forces with several local community fire departments to provide their units with updated first-responder equipment to ensure the safety of the firefighters, as well as promote a better first response to community needs and help mitigate future emergencies. The Marathon Petroleum Foundation's funding also supported the purchase of four new bloodmobiles and three new emergency-response vehicles in California, Washington, Texas, Arizona and Utah. These vehicles will provide prevention and response services to individuals and communities recovering from natural disasters, including wildfires, hurricanes, and flooding.

## Environment

**Supporting local organizations devoted to efforts that protect, conserve and sustain our environmental resources is part of our corporate commitment to environmental stewardship.**

The Marathon Petroleum Foundation worked with the **Salt Lake County Health Department** to develop the Vehicle Repair Assistance Program, which works to reduce mobile emissions by repairing qualifying vehicles that fail emissions testing. Because vehicles with properly functioning emissions control equipment emit fewer pollutants, funding from the Marathon Petroleum Foundation helps provide repairs free of charge for individuals who would have otherwise received a hardship waiver.

To learn more about how the Marathon Petroleum Foundation is working to make the world a better place visit the Foundation website at <https://www.marathonpetroleum.com/Sustainability/Creating-Shared-Value-and-Opportunity/Marathon-Petroleum-Foundation/>.

## MPC Employee Giving and Volunteer Program

We understand that part of being a trusted company means being there when people need you the most, side by side, doing the hard work. MPC Gives is an employee-directed, open giving program that we rolled out companywide in the fall of 2019. Via this program employees are provided the opportunity to support organizations and community efforts important to them, and the company supports the efforts by matching employee donations and funding volunteer incentive awards.

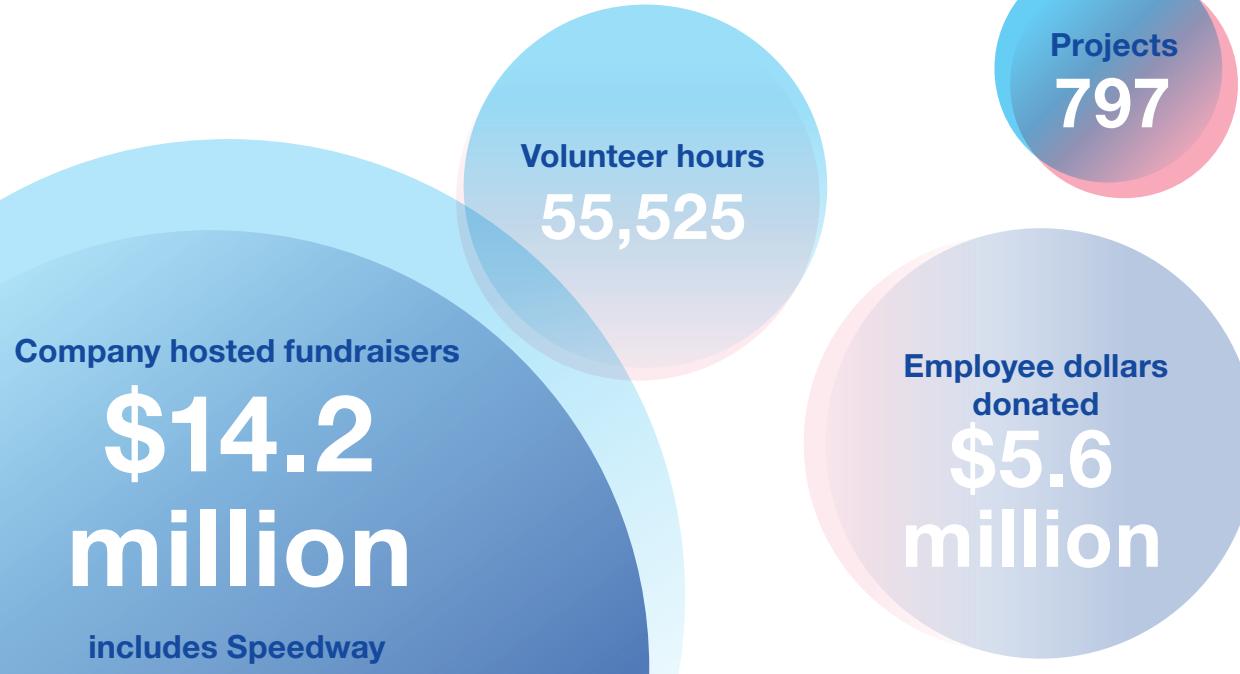
Last year our employees donated \$5.6 million through MPC Gives, as well as through our legacy employee giving and volunteering programs, and contributed more than 55,500 personal hours to strengthen our

communities and help make people's lives better locally and across the nation. Company-hosted fundraisers, including Speedway, provided an additional \$14.2 million in funding for community needs.

Whether we are feeding the hungry, creating hands-on learning experiences for students, supporting multicultural initiatives or helping communities rebuild after a natural disaster, we work with our community partners to provide access to opportunities that help individuals reach their full potential.



## COMMUNITY INVESTMENT AT A GLANCE



## Speedway's Annual Children's Miracle Network Fundraiser

Speedway, based in Enon, Ohio, raises funds for the Children's Miracle Network (CMN) Hospitals, which includes canister collections at the point of sale in Speedway stores and specially themed days for employees to engage customers. Speedway holds an annual Speedway Miracle Tournament in Ohio, which in 2019 alone raised \$2.7 million and has become one of the largest golf events benefiting CMN Hospitals. In 2019, Speedway raised \$11.8 million for the organization, and has raised more than \$120 million since 1991.



John Lauck, former president and CEO of CMN Hospitals, has a one-on-one conversation with a young attendee during Speedway's annual Children's Miracle Network fundraiser.

## Why Do Our Employees Get Involved?

Q: What do you like best about MPC's new employee giving and volunteer program?

A: The company match demonstrates MPC's commitment to supporting local communities, as well as supporting the causes that its employees care about. It also strengthens our great company culture by encouraging employees to be mindful of the communities we work in, and giving back demonstrates our commitment.

### Tracy Kleinow, Los Angeles Refinery Area Team Lead

Q: Why is it important for you to support the Travis Manion Foundation?

A: Travis Manion was a fellow Naval Academy graduate, and his story resonated with me given our shared background and experiences. His simple phrase "If not me, then who?" is what has inspired patriots and heroes since the founding of our great nation. In addition to supporting families of the fallen, there is also a mission to develop future generations of Americans with this ethos.

### Michael Gebhardt, Vice President, Supply Chain

### Other Community Stories

More community involvement stories can be found on our interactive report.



### COVID-19 Response

The Marathon Petroleum Foundation donated \$1 million to the American Red Cross to help supply critical resources necessary to safely provide disaster relief and support to those in crisis during the COVID-19 pandemic and beyond.



American  
Red Cross

In addition, MPC deployed more than 500,000 N95 respirator masks to 45 health care organizations across 20 states. We also increased our employee giving match from 60% to 100% in recognition of much-needed funding for communities in the areas where MPC employees work.



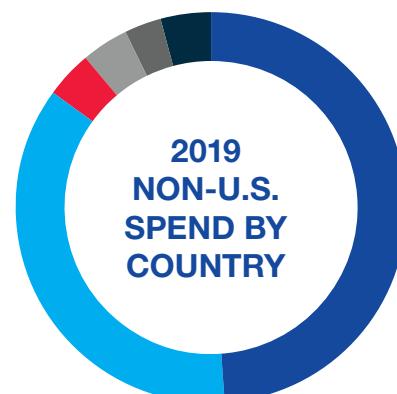
## Our Suppliers

Our Supply Chain organization provides essential support to our business operations and extends our commitment to sustainability beyond our doorstep. The Supply Chain organization is comprised of Refining, MPLX and non-Speedway corporate supply chain functions.

### Supplier Demographics

We engage suppliers, consultants and contract workers to assist in our operations. These suppliers provided goods and services such as materials, equipment, construction, labor, transportation, office products and services, benefits administration, and accounting, legal and engineering services. These reliable, highly capable and trusted partners share our core values and drive for superior results. Our suppliers achieve high safety and ethical standards, offer innovative, value-added capabilities, understand our business, embrace quality procedures and processes, and offer superior technology, cost or service advantages.

We manage risk, in part, through the selection of our suppliers. Our robust procurement process evaluates our suppliers against key safety metrics and programs. Between the use of predominantly U.S. domestic suppliers, which are bound by U.S. laws and regulations, and focused vetting of international suppliers, MPC's strategic procurement decisions inherently reduce supply chain risks to human rights, environmental and worker safety. No significant changes to our Supply Chain occurred in 2019 that would cause or contribute to significant economic, environmental or social impacts.



**2019  
NON-U.S.  
SPEND BY  
COUNTRY**

- 49% Canada
- 36% Netherlands
- 4% Ireland
- 4% Italy
- 4% Other
- 3% Belgium

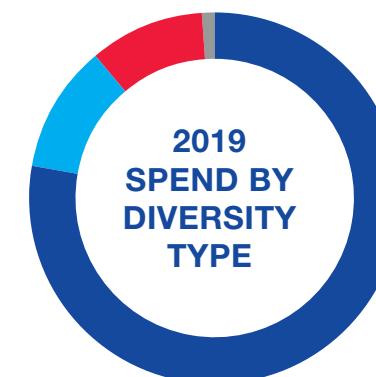
### Supplier Diversity

We are committed to promoting diversity within our supply chain. We value and respect the unique character and contribution of each of our employees, and we seek out suppliers that have the same commitment. Doing so is not only the right thing to do, but it allows us to capitalize on the business and competitive advantages that stem from diversity of people and ideas.

We support economic inclusion and strive to source from suppliers that are local to our refineries and facilities. We encourage diverse suppliers, including local suppliers and businesses owned and operated by people who are minorities, women, veterans, physically challenged and/or disadvantaged, to participate in our Supplier Diversity program.

### Total Supplier Diversity Program Spend

**\$395M**



78% Women Owned

11% Minority Owned

10% Small Business

1% Veteran or HUBZone Business

## Compliance Assurance

While we expect all suppliers to comply with our Code of Business Conduct, **we implemented a stand-alone, tailored Supplier Code of Conduct in 2020.** The Supplier Code of Conduct further emphasizes our expectations of suppliers in the areas of: legal and ethical compliance; environmental, health, safety and security; conflict minerals; conflicts of interest; human rights; diversity; compliance assurance; and reporting. We encourage all suppliers to utilize our Integrity Helpline to anonymously report unethical or illegal acts, or suspicions of unethical or illegal acts.

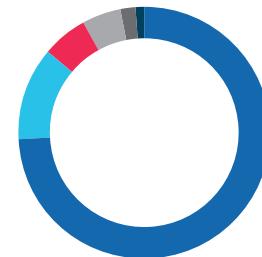
Our Supply Chain employees receive annual training on sustainable procurement topics, including compliance and ethics, human rights, diversity and environmental topics. This enables us to be educated, aware and proactive to minimize risks through supplier selection, contracting and compliance assurance.

## SUPPLY CHAIN SUSTAINABILITY RELATED TRAINING HOURS

### Total Hours

**7,882**

Health and Safety	5,857
Ethics/Compliance	931
Environmental	476
Code of Business Conduct	378
Human Rights	166
Diversity	74



## Incentivizing Outstanding Supplier Performance

Suppliers that positively impact our business are honored at our annual Supplier Recognition Awards. In 2019 we recognized suppliers in the following categories: Safety, Environmental Stewardship, Corporate Citizenship, Innovative Partnership, Diverse Business of the Year and Supplier of the Year.

**17**

**suppliers awarded  
in 2019**



Our supplier, AMG Vanadium LLC (AMG), is the global leader in the environmentally responsible management and reclamation of spent refinery catalyst and other secondary raw materials containing vanadium. AMG was recognized with our 2019 Environmental Stewardship Award as their process turns a hazardous material into a nonhazardous commercial product and avoided landfilling 5,300 tons of hazardous material. See story on Page 27.



# PROMOTING SAFETY

## Highlights

★ International Liquid Terminals Association 2019 Platinum Safety Award - Large Company

★ American Fuel and Petrochemical Manufacturers Distinguished Safety Award

Martinez Refinery for Elite Safety Performance

★ Incident Reporting and Tracking System Rolled Out

★ Let's Talk Mental Health Awareness Rolled Out

★ Occupational Safety and Health Administration Voluntary Protection Programs – Star Status

Seven new Star facilities in 2019

★ Jones F. Devlin Award  
11 individual marine vessels recognized for safe operations

## Useful Resources

- Health, Environment, Safety and Security Policy



Detroit refinery safety professional making morning rounds and reviewing safe work permit.

**Personal and process safety are part of our core values. We strive to ensure everyone returns safely home to their family and friends every day. We do this through our safety systems design, our well-maintained equipment and by learning from our incidents.**

Part of our effort to promote safety includes a management system based on the principles of RC14001®, the Plan-Do-Check-Act continual improvement cycle, and our OEMS. Together, these components of our safety management system provide us with a comprehensive approach to managing risks and preventing incidents, illnesses and fatalities.



## Workforce Safety

We continually evaluate our processes to further reduce the risk of incident and injury. Our employees, contractors and subcontractors are held to the same standards and expectations for health and safety and are empowered to stop any work where they feel at risk. Programs like Behavior Based Safety allow active engagement where employees can openly discuss alternatives that lead to safer decisions. MPC's and MPLX's tiered auditing process provides a rigorous assessment of all risks, with the development of



corrective actions and management oversight until audit closure. These efforts have allowed us to continuously improve and adjust our safety programs. In 2019, Retail operations had its best safety performance yet.

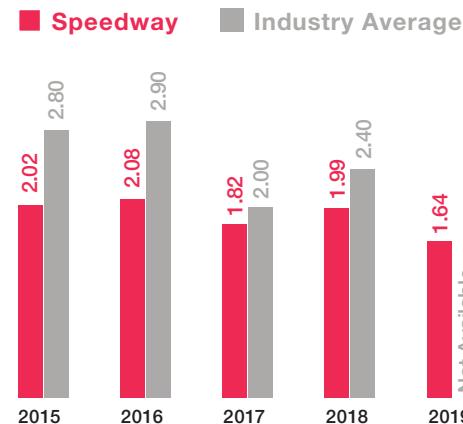
Our Refining organization has also documented its plan for continual improvement in safety management in its Refining Safety, Security and Process Safety Strategic Direction document. This strategy lays out specific

targets and actions over the next five years for achieving excellence in safety, process safety and environmental performance in the five categories below:

- 1 Commitment to Safety, Security and Process Safety**
- 2 Understanding Hazards and Risks**
- 3 Advocacy and Engagement**
- 4 Learning from Experience**
- 5 Training**

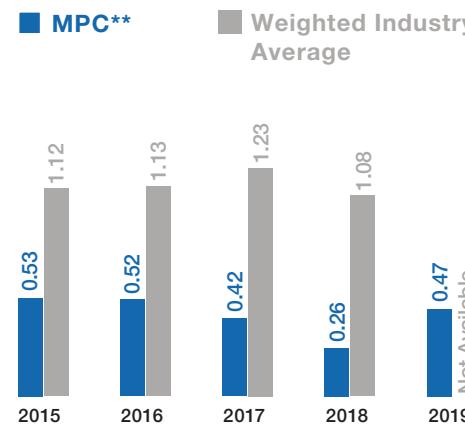
## OSHA RECORDABLE INCIDENT RATE\*

(employee incidents/200,000 hours)



## OSHA RECORDABLE INCIDENT RATE\*

(employee incidents/200,000 hours)



\* The OSHA Recordable Incident Rate is the number of employee (excluding contractors) incidents per 200,000 hours of work

\*\* Excludes Speedway

## Zero OSHA Recordable Incidents During Speedway Conversions

In 2019, Speedway converted over 500 acquired stores across nine states in an average time of less than 24 hours each. Conversions required teams from across the business, including construction and operations personnel.

- With the support of 667 employees, new store associates were transitioned to and trained on Speedway systems, policies and procedures.
- Throughout the conversion and training processes, safety remained a top priority.

## OSHA Voluntary Protection Program (VPP)

Our leadership has committed to participate in OSHA's VPP, which promotes effective worksite-based safety and health.

In addition to the 20 existing VPP Star sites, the following MPC and MPLX locations achieved Star status in 2019, bringing the total to 27 sites:

- Catlettsburg, Kentucky, Refinery
- Martinsville, Illinois, MPL Terminal
- Garyville, Louisiana, Terminals (Light Product and Asphalt) and Transport
- Pasadena, Texas, MPL Station
- Lansing, Michigan, Terminal (Light Product) and Transport
- Indianapolis, Indiana, Terminal (Asphalt)
- Heath, Ohio, MPL Station



## Contractor Safety

Our Refining organization has placed upon its contractors the same safety and health practices it has for its employees. The organization has set goals to continue to improve contractor safety over the next five years, including:

- Establish a Refining-wide contractor safety excellence task force
- Gain alignment with key Refining contractors on safety expectations
- Implement contractor management best practices across all refineries
- Establish contractor safety scorecards for all key contractors across all refineries

Prior to starting work at any of our facilities, all contractors and subcontractors conducting what MPC defines as “safety sensitive” work, must complete a series of requirements. A pre-job safety questionnaire must be filled out, and daily safe work permits are completed by the MPC employee with input from the contractor. This ensures our safety culture is one that empowers everyone to create and maintain a safe and healthy workplace.

## Incident Reporting and Tracking System

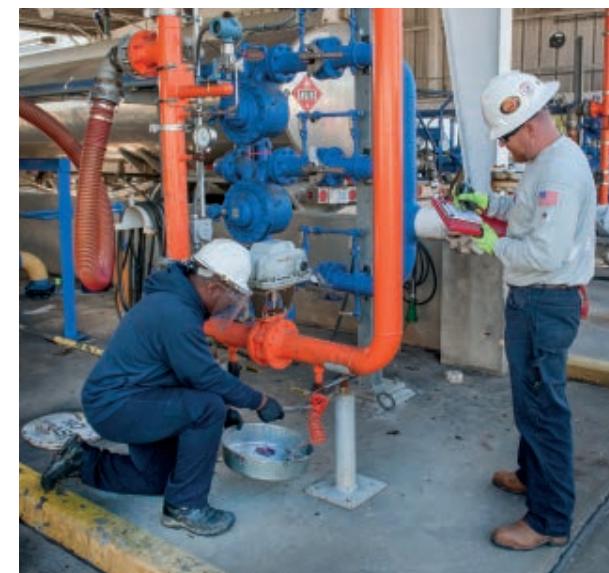
In 2019, MPC and MPLX completed their first year utilizing the company-wide software system to actively report, track and identify trends in incidents and injuries. This software was designed with employee input to ensure all aspects of the tool could be used across the entire company and meet our high standard of incident/injury reporting. All employees have the right to report an incident or injury without reprisal. Using a single system allows any employee to report an incident while eliminating confusion due to the various

reporting historically used by each of the organizations. The company-wide system enables tracking and documentation of incident investigations and corrective actions, with management oversight to closure, if needed. In 2020, an auditing module will be rolled out as the final piece to bring the entire MPC audit, incident and Management of Change (MOC) tracking system together.

## Behavior Based Safety (BBS)

BBS was developed as a way to empower employees to enhance safety practices in the workplace through peer observations, or contacts.

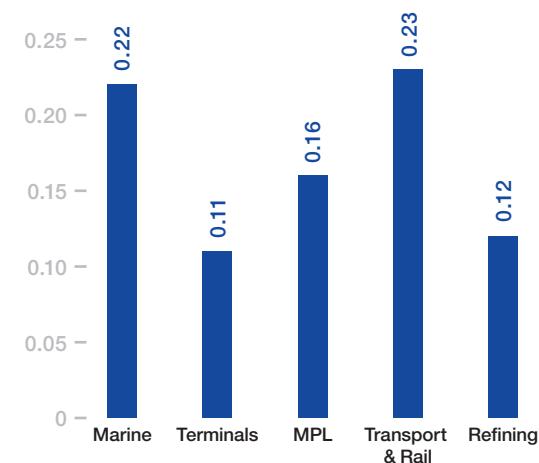
- Helps identify the reasons for operational choices employees make
- Reinforces safe behaviors
- Helps identify safer ways to perform a task
- Helps employees start the conversations that lead to safer decisions before an injury occurs



BBS manages employee exposure at the working interface: the point at which employee activities interact with workplace conditions and management systems. Safety excellence is directly related to how effective our organization is at controlling exposure to hazards, and much of our success has been a direct result of BBS initiatives. Through BBS and our other safety programs we continuously strive to prevent incidents.

## MPC AND MPLX BBS DATA

■ Normalized Contact Rate\*



\* 2019 Normalized Contact Rate: number of contacts/average number of personnel onsite

## Training

At MPC, we believe that employee and contractor training is at the foundation of our culture of safety and imperative for professional advancement. Our MPC, MPLX and Speedway courses cover a broad range of topics, including our safety culture, life-critical safety rules, process safety overview, vehicle safety, and cybersecurity awareness. Our corporate safety standards comply with and often exceed local, state and federal regulations. Our employees and contractors are trained on our standards, and we conduct frequent audits and quality assurance visits to ensure conformance.

**513,230**  
**hours of HES training**  
(Excluding Speedway)



## Transportation Safety

In 2019, there were 52,808,475 transport miles driven with an at-fault accident rate of 0.63 per million miles. In an effort to keep our drivers safe year after year, we have implemented several programs to support them in managing the many variables they encounter each day.

### DriveCam

Driver-based analytics solution that enables fleet managers and drivers to identify, assess and correct risky driving behaviors before they lead to a collision.

### Driver Audit Program

Driver audit program composed of observed (ride-along) and unobserved (unseen) audits to ensure drivers are following policies and procedures.



### Smith Defensive Driving

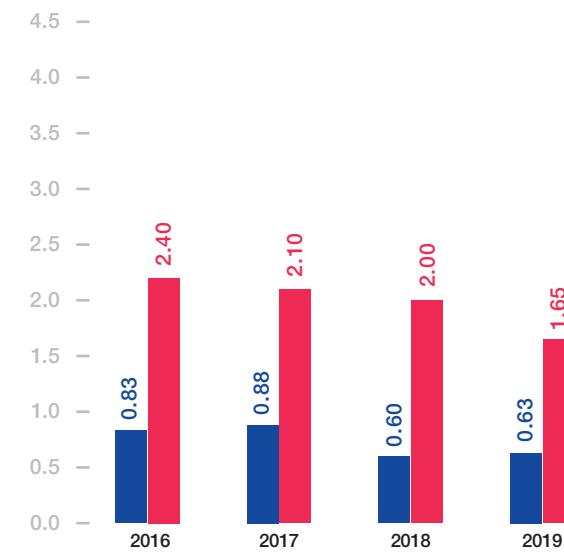
A training program proven to prevent collisions, reduce fuel and maintenance costs, and save lives.

### Wingman Program

Transport advanced technology for collision avoidance.

## PREVENTABLE ACCIDENTS PER MILLION MILES

■ MPC ■ Private Industry



**Private Industry** - This rate is composed of private in-house fleets (trucks) whose primary business is not transportation.



## Emergency Preparedness

We proactively prepare for emergencies to ensure we can respond effectively should the need ever arise. Each of our operating locations have emergency response teams and site-specific emergency preparedness and response plans tailored to the risks they may encounter. These location-specific plans are subject to regular drills and exercises to ensure proper implementation in the event of a real incident.

### Corporate Emergency Response Team (CERT)

CERT is a highly trained group of approximately 250 MPC professionals across the corporation with nationally recognized response expertise. CERT members are trained in National Incident Management System Incident Command Structure (NIMS ICS). Members participate in training and drills annually either within their business unit or in a formal CERT exercise. Training and drills are coordinated with governmental agencies and other interested stakeholders.

### Tiered CERT Response

MPC and MPLX operate a tiered response system that allows the response to be directed at the appropriate level within the organization and with flexibility to adjust the response team size commensurate with the needs of the response.

- Tier 1 incidents are typically small in size and directed by a local response level team.
- Tier 2 incidents are medium in size and directed by a district/regional response level team.
- Tier 3 incidents are larger in size or complexity and directed by the Corporate Emergency Response Team (CERT).



### Oil Pollution Act (OPA)-90: Emergency Preparedness

For all of our pipelines, vessels, and facilities subject to OPA-90, we have implemented response plans and have established Spill Prevention, Control and Countermeasures plans. Our plans ensure:

- All barges used for river transport of raw materials and refined products are double-hulled to reduce the risk of spills.
- All new vessels entering or operating in U.S. waters are also double-hulled and existing vessels are either double-hulled or appropriately retrofitted.
- We maintain a drill and exercise program consistent with the National Preparedness for Response Exercise Program (PREP). PREP is a unified federal effort and satisfies the drill and exercise requirements of the U.S. Coast Guard (USCG), the Environmental Protection Agency (EPA), the Pipeline and Hazardous Materials Safety Administration (PHMSA), and the Bureau of Safety and Environmental Enforcement (BSEE).
- Appropriate onshore facility containment countermeasures are in place.

## Drills and Exercises

Across MPC and MPLX, our business units ensure their plans and procedures for continuing operations under, or subsequent to, adverse situations are up to date, and that employees know how to carry them out. Each year, MPC and MPLX execute a variety of drills within each business unit to review, critique and improve emergency response plans. For example, our MPLX Marine business utilizes different types of drills and exercises to ensure its preparedness, including facility and vessel security, spills and emergency response. We participate in the National Preparedness for Response Exercise Program to meet the intent of the Oil Pollution Act of 1990. We implement Facility Response Plans and contract with oil spill removal organizations to assist us in the event of a real incident.

MPC and MPLX maintain a robust drill planning program that exceeds federal, state and local requirements. At the core of the program, drills are conducted with highly trained employees who come together during an incident and work seamlessly with federal, state and local partners.



## Process Safety

Process safety means maintaining pipes, tanks, processing units, valves and other equipment so that they work as intended, keeping materials contained and our employees and communities safe. Our OEMS and strict adherence to Process Safety Management (PSM) enables us to proactively mitigate process safety risks. This includes equipment integrity, management of change, safe work practices and operating procedures. At MPC and MPLX, process safety is composed of [14 elements](#)<sup>1</sup>.

MPC maintains specific standards for PSM, emphasizing the management of hazards by using technologies, procedures and management practices. We maintain a rigorous auditing schedule to ensure facilities are assessed across all 14 process safety elements. Findings are recorded and tracked to closure through our incident tracking tool. All major changes in process go through a series of steps to ensure risks have been mitigated.

Our midstream operations follow the American Petroleum Institute's Recommended Practice 1173 for Pipeline Safety Management Systems. Our program provides a framework and systematic approach to:

- Identify environmental, health and safety risks
- Prevent or mitigate the consequences of an incident and assure operations continuity
- Continuously improve pipeline safety and integrity

<sup>1</sup> The state of California has further requirements than those listed above, with which we comply.

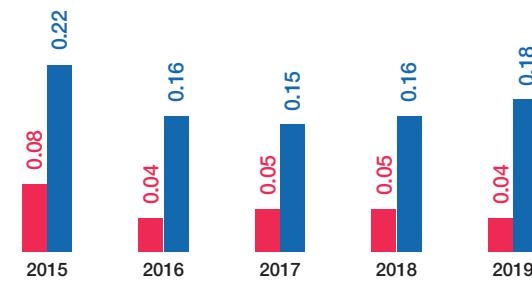
## Process Safety Event Metrics

We closely measure and monitor the trends of performance data with the objective of continuously improving process safety performance. Our process safety strategy is built on the belief that improving Tier 1 and Tier 2 performance is possible only if we rigorously adhere to our process safety management systems. Each program or process by itself has an impact that is hard to measure, but cumulatively they result in measurable performance improvement.

## REFINING PROCESS SAFETY EVENTS

Tier 1<sup>2</sup>

Tier 2<sup>2</sup>



<sup>2</sup> <https://www.api.org/oil-and-natural-gas/health-and-safety/refinery-and-plant-safety/process-safety/process-safety-standards/rp-754>. "Tiers 1 and 2 are suitable for nationwide public reporting and Tiers 3 and 4 are intended for internal use at individual facilities."



## Health and Wellness

The health and well-being of our employees is of paramount importance, and we strive to support our employees on their journey to better health. Our Corporate Health Services team operates 21 clinics across our locations with over 75 medical professionals providing on-site access to health services. We also provide a Nurseline that is available 24 hours a day through our online platforms. We offer on-site amenities, such as fitness and wellness resources, and provide virtual and on-site educational sessions delivered by a team of dedicated health and wellness professionals. Our wellness champions, a combination of clinicians and health-passionate employee volunteers, add an additional grassroots support element.

Our programs place significant emphasis on preventive health. For example, our Well AllWays incentive program, which is open to all MPC employees, offers a cash stipend for completion of an online health assessment and annual preventive physical. This program encourages employees to take charge of their health, develop relationships with their primary care physicians, and catch potential problems in early stages to allow for more successful treatment options. The stipend amounts increase with spouse participation. We actively promoted this wellness incentive program and saw a significant participation increase in 2019, with over 12,000 employees getting a preventive physical and approximately 9,000 participants completing the online health assessment.



We also offer a wide variety of wellness activities, such as health fairs and expos to showcase local organizations in the areas where we operate, corporate-wide challenges, and coordination of teams for company-sponsored health and wellness community activities, including the American Heart Association Heart Walk and Susan G. Komen Race for the Cure. Our annual My Fuel contest is another popular initiative through which employees submit photos of themselves participating in their favorite healthy activity.

### Industrial Hygiene

The recognition, evaluation and control of workplace hazards across multiple locations and products in a responsible, compliant and consistent manner has been a long-standing goal within MPC's Industrial Hygiene program. Program responsibilities include Personal Exposure Evaluations, Indoor Air Quality Investigations and atmospheric monitoring. MPC's Exposure Assessment Methodology (EXAM) is a comprehensive strategy for assessing and managing occupational exposures based on risk. This includes qualitative and quantitative analyses against a control. Data is then tracked and trended to ensure regulatory compliance and showcase opportunities for improvement in a certain work practice. For example, ergonomic assessments throughout operations have resulted in the improvement of particular work tasks by eliminating potential pinch points, awkward body positions and repetitive movements.



**LET'S TALK**  
MENTAL HEALTH AWARENESS

We recently developed our Let's Talk mental health awareness strategy, which launched in 2019. This comprehensive initiative focuses on decreasing the stigma associated with mental health, generating awareness of common mental health illnesses and presenting available resources.



## Protecting and Supporting Our Workforce During the COVID-19 Pandemic

The impact of the global COVID-19 pandemic brought out the best in MPC employees. In March 2020, MPC activated its Corporate Emergency Response Team to ensure a consistent and aggressive response across all facets of our company. The safety and health of our employees, including our essential personnel, were our top priority. As part of our existing pandemic plan, we had a central inventory of N95 respirators, surgical masks, and nitrile gloves to supply to our employees and contractors when the pandemic began. We implemented a number of protective measures to ensure their safety as they continued to keep our critical operations running safely. Some of the actions taken by MPC specifically aimed at protecting and addressing the needs of our employees and contractors included:

- Providing critical up-to-date information and guidance through a dedicated COVID-19 employee website
- Converting a hotline used for work-related injuries into a dedicated 24/7 nurse hotline
- Enhancing our cleaning and disinfection measures at all of our locations
- Providing appropriate personal protective equipment
- Implementing social distancing procedures for our essential employees (federally designated Essential Critical Infrastructure Workers) and work-from-home requirements for other employees, where practicable

At our Speedway facilities, our COVID-19 response included:

- Closed all 24-hour stores for one hour per day to allow for enhanced cleaning
- Limited the number of customers inside the store
- Taped markings on the floors to guide social distancing
- Installed over 6,000 plexiglass barriers at point-of-sale stations to provide an additional layer of protection to our employees and customers
- Established up to two weeks of emergency pay for all employees related to COVID-19 mandated quarantine, diagnosis or chronic health condition
- Increased pay for hourly employees by \$2 per hour and provided bonus payout adjustments for general managers through June 10, 2020
- No repercussions for those employees who do not want to work due to being uncomfortable working for any reason

We have responded quickly to evolving circumstances, and we will continue to monitor the situation and act in the best interest of our stakeholders.



# OPERATING WITH INTEGRITY

## Highlights

- ★ Annual Code of Business Conduct certification
- ★ Mature Enterprise Risk Management Program includes review of sustainability risks
- ★ Zero-tolerance anti-corruption policy
- ★ Sustainability Committee of the Board engaged on sustainability reporting

“Because our culture of integrity is critical to long-term sustainability, we consider it everyone’s responsibility, from the Board of Directors to the new hire just starting a career with us. We empower our people with the tools they need for principled decision-making: a clear Code of Business Conduct and policies, regular training, the opportunity to report concerns on a named or anonymous basis and a strict anti-retaliation commitment.”

**Molly R. Benson**, Vice President, Chief Securities, Governance and Compliance Officer and Corporate Secretary

*In her capacity as Chief Compliance Officer, Ms. Benson oversees MPC’s Business Integrity and Compliance function, regularly reports to the Board of Directors’ Audit Committee, and Chairs our Business Integrity Committee.*



Our commitment to integrity is imbedded in every aspect of our operations. It is rooted in the expertise of our Board and in the commitment of our executive leadership. It is reflected in our comprehensive compliance and ethics programs and in our meaningful and honest evaluation of risks and opportunities. It is experienced through our expansive employee training programs that empower our people to do the right thing and protect the security and reputation of our company.

## Useful Resources

- 2019 Annual Report and 10-K
- 2020 Notice of Annual Meeting and Proxy Statement
- Corporate Governance Principles
- Board Committee Charters
- Perspectives on Climate-Related Scenarios Report
- Anti-Corruption Policy
- Code of Business Conduct
- Code of Ethics for Senior Financial Officers
- Conflicts of Interest Policy
- Human Rights Policy
- Whistleblowing as to Accounting Matters Policy
- Computer Security Policy
- Privacy Policy
- Speedway LLC Privacy Policy



## Governance

### Our Board of Directors

Our Board believes that our commitment to high ethical standards and strong corporate governance benefits all our stakeholders, including our shareholders, employees, business partners, customers, communities, the government and others who have a stake in how we operate. In its primary oversight role, our Board guides our strategic direction, including our sustainability objectives.

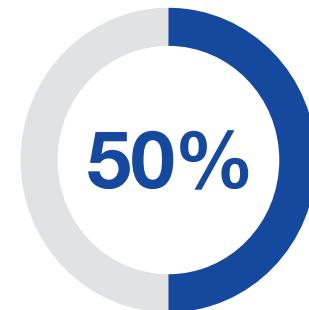
Our directors represent a diverse range of critical skills, experience and perspectives – including significant leadership and board experience and expertise in the areas of energy, finance, operations, risk management and public policy – that contribute to sound governance and effective oversight of our operations, risks and long-term strategy.

Our Board has long been committed to actively seeking women candidates and candidates of diverse ethnic and racial backgrounds in its director selection efforts. We amended our Corporate Governance Principles in 2018 to expressly affirm this commitment.

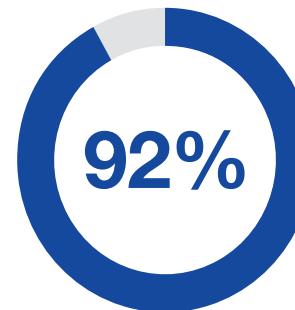
In April 2020, our Board elected John P. Surma as non-executive chairman and also elected our current president and CEO, Michael J. Hennigan, as a member of the Board.

## Board Snapshot

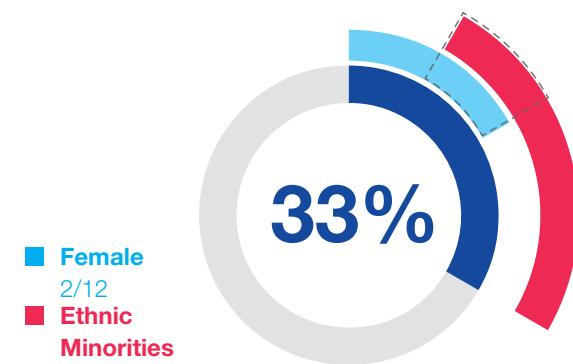
	Senior Leadership Experience	Financial	Industry	Risk Management	Operations	Govt/Regulatory	Corporate Governance
Abdulaziz F. Alkhayyal	●		●	●	●		●
Evan Bayh	●	●		●		●	●
Charles E. Bunch	●	●		●	●		●
Jonathan Z. Cohen	●		●	●			●
Steven A. Davis	●		●	●	●		●
Edward G. Galante	●		●	●	●		●
Michael J. Hennigan	●	●	●	●	●		●
James E. Rohr	●	●		●			●
Kim K.W. Rucker	●		●	●		●	●
J. Michael Stice	●		●	●	●		●
John P. Surma	●	●	●	●	●	●	●
Susan Tomasky	●	●		●		●	●



Significant Refreshment  
since 2017



Independence



Female  
2/12  
Ethnic  
Minorities  
3/12

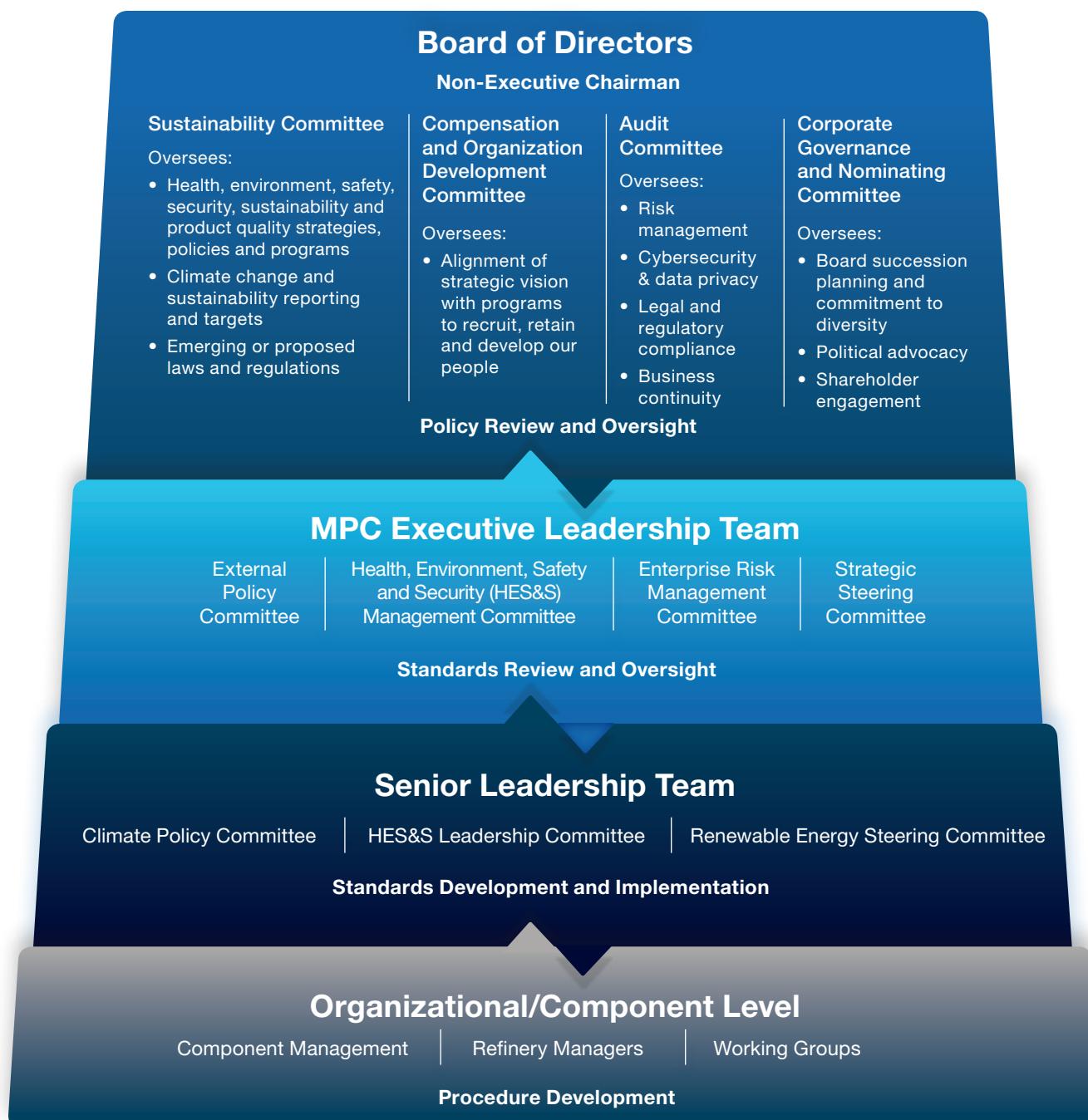
Diversity



## Sustainability Governance

At MPC, our impacts, risks and opportunities related to economic, environmental and social topics are identified and managed at all levels under the leadership and guidance of our Board of Directors. The Board's committees, including the Sustainability Committee, are responsible for specific areas of oversight and policy decision-making, as set forth in our Corporate Governance Principles and each committee's charter.

Our executive leadership team has primary responsibility for establishing and driving our sustainability strategies. The executive leadership team has established several cross-functional executive committees, which help ensure our objectives are incorporated into our OEMS standards and are cascaded throughout the organization. These standards are developed by committees of the executive leadership team and integrated with related procedures at the operational level. Communication and collaboration between the Board, its committees and management are critical to maintaining our aligned direction on sustainability matters.





## Risk Management

Our strong Enterprise Risk Management (ERM) program is the means by which we identify, assess and manage enterprise level risks, and review the effectiveness and performance of risk mitigation strategies.

### Roles and Responsibilities

Risk oversight is one of our Board's most critical functions. While the Board has ultimate responsibility for overseeing risk management, it delegates certain risk oversight responsibilities to its four standing committees, which regularly report back to the full Board.

Our senior management has primary responsibility for managing risks and implementing risk management strategies. The ERM process is sponsored by our president and chief executive officer and our executive vice president and chief financial officer, led by our enterprise risk manager, and supported by officers and senior managers responsible for working across the business to manage enterprise level risks and identify emerging risks.

### Our ERM Process

Our ERM process is continuous and dynamic. It involves a cross-functional review of potential enterprise level risks, including sustainability risks. The process for identifying and assessing enterprise level risks, such as those that may impact our ability to operate, is led by our enterprise risk manager through quarterly leadership workshops. These workshops involve key leaders with responsibility for our sustainability priorities. Our risk analysis includes an examination of the causes and consequences of each enterprise level risk, as well as the development of prevention and mitigation strategies. Our process



allows us to identify emerging risks and to efficiently allocate resources. Enterprise level risks and strategies are routinely reviewed and discussed by the Board and executive leadership. Our Board further reviews our process and performance trends and oversees internal controls and audits to evaluate effectiveness.

### Material Risks

Material risks to our company are disclosed in the Risk Factors section of our Annual Report on Form 10-K and other filings with the Securities and Exchange Commission. These include risks related to the legal and regulatory environment.

### Climate-Related Risk

We carefully evaluate and manage climate-related risks and opportunities to ensure our strength, adaptiveness and resiliency. For information on how

we manage climate-related risks and opportunities, as well as the role of internal cross-functional committees developing integrated strategies to effectively predict and manage different aspects of climate-related risks and opportunities, see our [2019 Perspectives on Climate-Related Scenarios Report](#), Pages 8-9.

### Compliance-Related Risk

As part of our ERM process, our Board oversees risks related to the evolving regulatory landscape, including emerging and proposed regulations for topics such as greenhouse gas and other air emissions, water withdrawals and effluents, hazardous materials management, product specifications and employee health and safety.



## Operational Excellence Management System

Our Health, Environment, Safety, Security and Sustainability performance is a responsibility shared by everyone, including all of our employees, contractors and business partners. Our commitment to conduct our business in a safe, clean, secure, responsible and cost-effective manner is set forth in our policies, standards and procedures, and managed through our OEMS.

Following 15 years of performance improvement under our Responsible Care® Management System (RCMS), in 2018 we combined our RCMS into a more comprehensive RC14001® management system. RC14001® is third-party audited to ensure conformance and continual improvement. In 2019, in connection with the combination of MPC and Andeavor, we began development of our integrated OEMS, which is built on a strong foundation of best practices from both legacy companies. Our new OEMS expands on the RC14001® scope and will also align with ISO9001, focusing on product quality. This combination helps to ensure best

practices for continual improvement of our operations and the availability, utilization, profitability and reliability of our assets. It also supports our ability to manage risk, engage with our stakeholders and further commit to our sustainability objectives.

Our OEMS provides a systematic approach to advancing performance by outlining requirements that will enable MPC to achieve our goals and ensure our

long-term success. To drive further consistency, we complement our management system with required performance-based standards that set organizational expectations. These standards are periodically reviewed and updated to reflect changes in laws or regulations, incorporate recommendations arising from audits and incident investigations, and to continually improve performance.



### RC14001 CERTIFIED

MPC	MPLX
Refining 35% certified	Marathon Pipe Line LLC 85% certified
Transport and Rail 32% certified	Marine 100% certified
	Terminals 69% certified



## Compliance and Ethics

Our Board of Directors, executive leadership team and our thousands of employees know that exercising sound judgment and preserving our reputation for integrity are critical to our success. The cultivation and safeguarding of this commitment to responsible and ethical conduct throughout the organization is led by our chief compliance officer.

Our Business Integrity Committee, chaired by the chief compliance officer and comprised of cross-functional members of executive leadership and senior management, promotes the effectiveness of our enterprise-wide Compliance and Ethics Program.

MPC's Code of Business Conduct requires that employees immediately report any suspected illegal or unethical conduct connected with the business of MPC or its affiliates.



### Legal Compliance

We are subject to laws and regulations covering all aspects of our operations. With respect to our employees, we comply with legal requirements governing safety, workers' rights and minimum wage, and equal employment opportunity. Our approach to environmental stewardship goes beyond compliance with evolving laws and regulations to include implementation of proactive initiatives to safeguard the environment and the communities where we live and work. We not only expect our employees to be knowledgeable about applicable legal requirements and act accordingly, we select contractors, suppliers and other business partners that demonstrate a similar commitment to legal and regulatory compliance.

### Code of Business Conduct

#### We must obey the law, but we strive for an even higher standard.

Operating with the highest standards of integrity is part of our culture at MPC and MPLX. Our Code of Business Conduct is framed by law, but most importantly it is based on the principle that we do the right thing. The Code defines expectations for ethical decision-making, accountability and responsibility for every employee at all levels of MPC, including those providing services to MPLX.

### Code Training and Certification

We require Code of Business Conduct training and a new hire questionnaire for all MPC employees at hire. MPC salaried employees are required to complete an annual Code of Business Conduct certification. This includes a questionnaire and provides the opportunity for employees to disclose issues that could present a violation of the Code.

Our business partners, including suppliers, consultants and contract workers, are expected to comply with the Code, as well as the law, and to support effective compliance programs in their own organizations. In 2020, we also announced a Supplier Code of Conduct. More information on our Supplier Code of Conduct can be found in the Our Suppliers section of this report on Page 50.

In 2019  
**100%**  
of all salaried MPC employees  
completed the annual certification

**15,600**  
training hours for Code of Business Conduct

**20,800**  
completed courses for Code of  
Business Conduct

Our Code of Business Conduct was  
approved by the MPC Board of Directors.

**98%**  
of MPC employees who travel  
internationally completed comprehensive  
anti-corruption training in 2019



## Key Code of Business Conduct Provisions

Our Code of Business Conduct includes the following key provisions:

### Anti-Corruption and Bribery

### Anti-Discrimination and Anti-Harassment

### Anti-trust and Fair Competition

### Conflicts of Interest

### Insider Trading

### Money Laundering

## Human Rights Policy

MPC's and MPLX's Human Rights Policy represents our commitment to respect the human, cultural and legal rights of all individuals and communities. We promote the goals and principles of the United Nations Declaration of Human Rights and meet the expectations of the Voluntary Principles on Security and Human Rights. We strive to engage and inform our stakeholders and the communities where we operate. We promote the well-being of our employees by providing competitive compensation and benefits, maintaining safe and healthy work environments, respecting their freedom to associate and collectively bargain, and promoting diversity and inclusion. We prohibit harassment and discrimination and the use of coerced, forced and child labor.

## Integrity of our Financial Records

Our President and CEO, CFO, controller, treasurer and other leaders performing similar roles are subject to our Code of Ethics for Senior Financial Officers. This separate Code of Ethics affirms the principles of honesty, integrity and sound judgment expected of our senior executives with responsibility for preparation and certification of our financial statements. In responding to and reporting any alleged Code of Ethics violation, MPC's Business Integrity and Compliance organization has direct access to the Chairman, CEO, CFO, Vice President Audit, and the chair of the Audit Committee.

Our Whistleblowing as to Accounting Matters Policy specifically addresses complaints received by the company regarding accounting, internal accounting controls or auditing matters. This policy establishes procedures for the receipt, retention and treatment of allegations of unethical behavior and provides for the confidential, anonymous submission of concerns regarding questionable accounting matters.

## 24/7 Anonymous Integrity Helpline

855-857-5700

[www.FuelingIntegrity.com](http://www.FuelingIntegrity.com)

Our Integrity Helpline serves as a resource for our employees, contractors, vendors and customers to ask questions or raise allegations related to workplace behavior or ethics. While we always encourage speaking with an immediate supervisor or other designated personnel, the Integrity Helpline provides the opportunity to speak on an anonymous basis.

Every allegation received through the Integrity Helpline is investigated in a manner and to the extent appropriate based on the nature of the allegation, with the goal to resolve the matter within 90 days. Investigations may result in discipline where warranted, a change in policy or procedure, or a determination that an allegation of unlawful and/or unethical behavior could not be substantiated. We maintain a firm no-retaliation policy and will never permit a good-faith submission to be a cause for disciplinary action.

Integrity Helpline statistics are reported to the Audit Committee of our Board of Directors, with certain allegations escalated quickly. These include certain allegations regarding financial statements and reporting and allegations of Code violations by our directors or officers.



## Cybersecurity

MPC implements robust policies and standards to protect our computer systems, data, assets, infrastructure and computing environments from cybersecurity threats, and to ensure continued confidentiality, integrity, and availability.

### Responsibility and Oversight

MPC's Chief Information Security Officer (CISO) has responsibility for MPC's Cybersecurity program. In addition to compliance with legal requirements, our Computer Security Policy requires the development and maintenance of a comprehensive governance process, including standards, procedures, risk management, defense strategy and compliance reviews. Our Code of Business Conduct further addresses protective uses of company assets, information systems, social media, business records retention and confidential information.

The CISO provides periodic briefings to the Audit Committee and the board. The security and integrity of our computer systems is the responsibility of everyone at MPC. Our cybersecurity policies apply to all MPC entities, staff and third parties that own, manage, administer, support, develop or work on MPC information systems, and to all our computing environments, whether connected to or segregated from our corporate network. Our Code of Business Conduct likewise extends beyond MPC to our business partners. Policy compliance for employees is reinforced through training and supervisor engagement, and enforced through a structured discipline escalation program, if needed.



### Multifaceted Strategy

We manage technology risks through a resilient system of layered security architecture. Security limits are placed on physical access, business and operational networks are segmented, and critical applications are aligned to hardened data centers. Our internal information technology controls allow for centralized security event correlation and detection. Our cybersecurity program is in alignment with the National Institute of Standards and Technology – Cybersecurity Framework, a control framework that helps companies develop a standardized model on which to build their cybersecurity program and to subsequently measure their "cyber maturity."

To address third-party risks, MPC maintains a proactive data-centric cybersecurity risk assessment and management program focused on both internal and third-party vendor provided capabilities. This due diligence program continues to expand in response to a changing cloud landscape.

This cybersecurity system is supported by a culture of diligence. Threat awareness and prevention training begins upon hire and continues throughout an employee's tenure, with materials delivered through email, digital signage and presentations. Employees utilize mechanisms to report and escalate suspicious incidents through simple tools that enable them to easily report phishing or other cyber threats to our IT Service Desk. Our simulated phishing program provides immediate feedback to users, with notification sent to the individual's management for repeat failures. As a result of this effort, we maintain phishing susceptibility well below general industry rates.

Incident response procedures and business continuity plans are in place and tested annually. To ensure preparedness, we conduct risk assessments, vulnerability analyses and targeted penetration testing throughout the year. We also use independent third parties to audit, assess and test aspects of our cybersecurity program.

## Privacy

MPC and our consolidated subsidiaries work to protect the personal data we receive. We are compliant with all applicable privacy laws, including the California Consumer Privacy Act, as well as all applicable privacy regulations, and safeguards, which have been applied to our operations across the country. Where required, MPC and Speedway adhere to the Payment Card Industry Data Security Standard, which provides a baseline of technical and operational requirements to protect customers' payment card account data, and we annually engage a third-party Qualified Security Assessor to complete an assessment of MPC and Speedway's compliance.

## 2019 Highlights\*

**98%**

of MPC employees completed  
**Cybersecurity Awareness training**

**10,800**

hours of Cybersecurity Awareness  
training courses logged

**23,400**

Cybersecurity Awareness training  
courses completed

**100%**

of MPC email account holders were  
targeted with phishing simulations

\* Excludes Speedway



## Political Contributions and Advocacy

MPC participates in the political process in a number of ways, including lobbying, grassroots activity, issue advocacy, participation in trade associations, supporting Marathon Petroleum Corporation Employees Political Action Committee (MPAC)<sup>1</sup>, and, where lawful, direct support of political candidates and engagement on ballot issues that impact MPC and our industry.

Our advocacy and contribution process is overseen by the Corporate Governance and Nominating Committee of our Board of Directors and senior management. All uses of company funds or resources to participate in the political process are made with the intent to promote the best interests of the company.

### Trade Associations

MPC is active in trade associations and similar groups at the national, state and local levels. We believe participation in these associations is important to

the company's role as an industry leader and as an active member of the business communities in which we operate. These associations engage in many activities for the benefit of their members, including encouraging industry standards among member companies and advocating on issues that impact their respective members. Through our participation in trade associations, we seek to champion legislative solutions that are in the best interests of the company. We recognize that viewpoints of other trade association members may differ from our own. When this occurs, we seek to work with the association membership to promote reasonable compromise. However, we do not control the position that any trade association may take on any particular issue.

<sup>1</sup> MPAC – or the Marathon Petroleum Corporation Employees Political Action Committee – was formed in 2011 as a nonpartisan political action committee funded by voluntary contributions from eligible MPC employees.



Galveston Bay refinery employees participate in Texas Energy Day



# LRQA Independent Assurance Statement

Relating to Marathon Petroleum Company LP's Report for the Calendar Year 2019

This Assurance Statement has been prepared for Marathon Petroleum Company LP, in accordance with our contract.

## Terms of Engagement

Lloyd's Register Quality Assurance, Inc. (LRQA) was commissioned by Marathon Petroleum Company LP (Marathon) to provide independent assurance of its greenhouse gas (GHG) emissions inventory and GHG emissions intensity metrics ("the Report") for the calendar year (CY) 2014 (base year) and CY 2019 against the assurance criteria below to a limited level of assurance and materiality of the professional judgement of the verifier using LRQA's verification procedure and ISO 14064 - Part 3 for greenhouse gas emissions. LRQA's verification procedure is based on current best practise and is in accordance with ISAE 3000 and ISAE 3410.

Our assurance engagement covered Marathon's operations and activities and specifically the following requirements:

- Verifying conformance with:
  - World Resources Institute / World Business Council for Sustainable Development Greenhouse Gas Protocol: A corporate accounting and reporting standard, revised edition (otherwise referred to as the WRI/WBCSD GHG Protocol) for the GHG data<sup>1</sup>; and
- Evaluating the accuracy and reliability of data and information for only the selected indicators listed below:
  - Direct (Scope 1), Energy Indirect (Scope 2) GHG Emissions, using the operational control consolidation methodology;
  - Total Scope 1 & 2 GHG Intensity;
  - Refining scope 1 & 2 GHG intensity; and
  - Natural gas processing scope 1 & 2 GHG intensity.

LRQA's responsibility is only to Marathon. LRQA disclaims any liability or responsibility to others as explained in the end footnote. Marathon's responsibility is for collecting, aggregating, analysing and presenting all the data and information within the Report and for maintaining effective internal controls over the systems from which the Report is derived. Ultimately, the Report has been approved by, and remains the responsibility of Marathon.

<sup>1</sup>. <http://www.ghgprotocol.org/>



## LRQA's Opinion

Based on LRQA's approach nothing has come to our attention that would cause us to believe that Marathon has not, in all material respects:

- Met the requirements of the criteria listed above; and
- Disclosed accurate and reliable performance data and information as summarized in Table 1 below.

The opinion expressed is formed on the basis of a limited level of assurance<sup>2</sup> and at the materiality of the professional judgement of the verifier.

**Table 1. Summary of Marathon, GHG Emissions Inventory and Intensity Metrics for CY 2014 & CY 2019:**

Parameter	Quantity		Units
	CY 2014	CY 2019	
Scope 1 GHG emissions	35.01	36.77	Million tonnes CO <sub>2</sub> e
Scope 2 GHG emissions (Location-based) <sup>1</sup>	7.14	8.18	Million tonnes CO <sub>2</sub> e
Scope 2 GHG emissions (Market-based) <sup>1</sup>	7.14	8.18	Million tonnes CO <sub>2</sub> e
Total Scope 1 & 2 GHG Intensity <sup>2</sup>	29.9	23.8	Tonnes CO <sub>2</sub> e / mboe input
Refining scope 1 & 2 GHG intensity <sup>3</sup>	33.7	29.5	Tonnes CO <sub>2</sub> e / mboe input
Natural gas processing scope 1 & 2 GHG intensity <sup>4</sup>	15.6	12.7	Tonnes CO <sub>2</sub> e / mboe input

1. Scope 2, Location-based and Scope 2, Market-based are defined in the GHG Protocol Scope 2 Guidance, 2015.

2. Excludes Retail and GHGs associated with exported power from cogeneration units.

3. Includes Scope 1 and 2 GHG emissions from refineries only. Also, excludes GHGs associated with exported power from cogeneration units.

4. Includes Scope 1 and 2 GHG emissions from natural gas processing (midstream) operations only.

## LRQA's Approach

LRQA's assurance engagements are carried out in accordance with our verification procedure. The following tasks were undertaken as part of the evidence gathering process for this assurance engagement:

- interviewing relevant employees of the organization responsible for managing GHG emissions and environmental data and records;

<sup>2</sup>. The extent of evidence-gathering for a limited assurance engagement is less than for a reasonable assurance engagement. Limited assurance engagements focus on aggregated data rather than physically checking source data at sites. Consequently, the level of assurance obtained in a limited assurance engagement is lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.



- assessing Marathon's data management systems to confirm they are designed to prevent significant errors, omissions or mis-statements in the Report. We did this by reviewing the effectiveness of data handling procedures, instructions and systems, including those for internal quality control; and
- verifying historical GHG emissions data and records at an aggregated level for the calendar years 2014 and 2019.

### LRQA's Standards and Competence

LRQA implements and maintains a comprehensive management system that meets accreditation requirements for ISO 14065 *Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition* and ISO/IEC 17021 *Conformity assessment – Requirements for bodies providing audit and certification of management systems* that are at least as demanding as the requirements of the International Standard on Quality Control 1 and comply with the *Code of Ethics for Professional Accountants* issued by the International Ethics Standards Board for Accountants.

LRQA ensures the selection of appropriately qualified individuals based on their qualifications, training and experience. The outcome of all verification and certification assessments is then internally reviewed by senior management to ensure that the approach applied is rigorous and transparent.

Signed

Dated: July 22, 2020



Derek Markolf  
LR Lead Verifier  
On behalf of Lloyd's Register Quality Assurance, Inc.,  
1330 Enclave Parkway, Suite 200,  
Houston, TX 77077

LR Reference: UQA00001551

Lloyd's Register Group Limited, its affiliates and subsidiaries, including Lloyd's Register Quality Assurance, Inc. (LRQA), and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

The English version of this Assurance Statement is the only valid version. Lloyd's Register Group Limited assumes no responsibility for versions translated into other languages.

This Assurance Statement is only valid when published with the Report to which it refers. It may only be reproduced in its entirety.

Copyright © Lloyd's Register Quality Assurance Limited, 2020. A member of the Lloyd's Register Group.



# GLOSSARY

Key Terms	Definition
<b>A</b>	
<b>AMG</b>	AMG Vanadium LLC
<b>At-Fault Accident Rate</b>	Rate derived by multiplying the number of preventable vehicle accidents by 1,000,000 miles and dividing by the mileage driven for a period of time (a calendar year).
<b>B</b>	
<b>B</b>	Billion
<b>Baby Boomer</b>	Born 1946-1964
<b>Barrel/bbl</b>	One barrel equals 42 U.S. gallons
<b>BBS</b>	Behavior based safety
<b>Biodiesel</b>	A diesel fuel produced from long-chain fatty acids sourced from vegetable oils, recycled greases or animal fats. Biodiesel is made using a trans-esterification process, causing the fuel to have oxygen atoms in its structure.
<b>Biofuels</b>	Fuels that are produced from a biomass, meaning plant, algae material or animal waste. Since biomass feedstock material can be replenished readily, biofuels are considered to be a source of renewable energy.
<b>BMP</b>	Best management practice
<b>BOE</b>	Barrel of oil equivalent, used to measure both oil and natural gas. Equivalent to the amount of energy in one barrel of crude oil.
<b>C</b>	
<b>CAP</b>	Community Advisory Panel
<b>CEMs</b>	Continuous emission monitors
<b>CEO</b>	Chief Executive Officer
<b>CERT</b>	Corporate Emergency Response Team. A highly trained group of approximately 250 MPC professionals across the corporation with nationally recognized response expertise. CERT's tiered response system allows the response to be directed at the appropriate level within the organization and the flexibility to adjust the response team size commensurate with the needs of the response: Tier 1 incidents - typically small in size and directed by a local response level team Tier 2 incidents - medium in size and directed by a district/regional response level team Tier 3 incidents - larger in size or complexity and directed by the CERT
<b>CFO</b>	Chief Financial Officer



Key Terms	Definition
<b>CISO</b>	Chief Information Security Officer
<b>CMN</b>	Children's Miracle Network
<b>CO<sub>2</sub></b>	Carbon dioxide
<b>CO<sub>2</sub>e:</b>	Carbon dioxide equivalent is a common unit of measurement converting all greenhouse gases to carbon dioxide. MPC calculates CO <sub>2</sub> e emissions using the EPA factors identified in Equation A-1 in 40 CFR Part 98.
<b>Criteria Air Pollutants</b>	Six pollutants for which the Clean Air Act requires the U.S. Environmental Protection Agency to set National Ambient Air Quality Standards: sulfur dioxide (SO <sub>x</sub> ), nitrogen oxides (NO <sub>x</sub> ), carbon monoxide (CO), particulate matter (PM), ozone and lead. Ozone is not directly emitted by our facilities, rather MPC measures emissions of NO <sub>x</sub> and volatile organic compounds (VOCs), which can combine in the atmosphere to create ozone.

**D**

<b>D&amp;I</b>	Diversity and inclusion
<b>DEI</b>	Designated Environmental Incident. A metric adopted by MPC to capture several categories simultaneously. It includes releases to the environment (including to air, land or water), permit exceedances and agency enforcement actions. MPC ranks DEIs in terms of their severity, with Tier 4 being the most severe, and Tier 1 being the least. Below are partial descriptions of the DEI Tiers:  Tier 4 DEI: <ul style="list-style-type: none"><li>- Release of oil or other hazardous material onto the land greater than or equal to 1,000 bbl.</li><li>- Release of oil or other hazardous material to a regulated water body greater than or equal to 100 bbl.</li><li>- Reportable release to air of a hazardous material greater than or equal to 100 times the reportable quantity</li></ul> Tier 3 DEI: <ul style="list-style-type: none"><li>- Release of oil or other hazardous material onto the land greater than or equal to 100 bbl. but less than 1,000 bbl.</li><li>- Release of oil or other hazardous material to a regulated water body greater than or equal to 10 bbl. but less than 100 bbl.</li><li>- Reportable release to air of a hazardous material greater than or equal to an established reportable quantity but less than 100 times the reportable quantity</li></ul> Tier 2 DEI: <ul style="list-style-type: none"><li>- Release of oil or other hazardous material onto the land greater than or equal to 10 bbl. but less than 100 bbl.</li><li>- Safety system failure or bypass</li><li>- Release of oil or other hazardous material into a regulated water body greater than or equal to 1 bbl. but less than 10 bbl.</li><li>- Release to air of a hazardous material greater than or equal to 80% of a reportable quantity but less than an established reportable quantity</li></ul> Tier 1 DEI: <ul style="list-style-type: none"><li>- Release of oil or other hazardous material onto land that is less than 10 bbl. (if less than 1 bbl., release must also be a reportable release)</li></ul>
<b>EPA</b>	The U.S. Environmental Protection Agency
<b>ERM</b>	Enterprise Risk Management

**E**

<b>G&amp;P</b>	Gathering and Processing organization
<b>G</b>	



Key Terms	Definition
<b>Generation X</b>	Born 1965-1980
<b>Generation Z</b>	Born 1997-2003
<b>GHG</b>	Greenhouse gas, such as carbon dioxide and methane
<b>GRI</b>	Global Reporting Initiative
<b>H</b>	
<b>HES&amp;S</b>	MPC's Health, Environment, Safety & Security organization, which is tasked with planning, executing, monitoring and continually improving the company's performance in these critical areas
<b>I</b>	
<b>Industry Average</b>	The average industry incident rate reported by the Bureau of Labor Statistics
<b>IPIECA</b>	International Petroleum Industry Environmental Conservation Association
<b>ISO 9001</b>	International Organization for Standardization's quality management system criteria
<b>IT</b>	Information technology
<b>K</b>	
<b>KPI</b>	Key performance indicator
<b>L</b>	
<b>LDAR</b>	Leak detection and repair
<b>LGBTQ+</b>	Lesbian, gay, bisexual, transgender, queer +
<b>M</b>	
<b>M</b>	Million
<b>Millennial</b>	Born 1981-1996
<b>MNCH</b>	Manuelito Navajo Children's Home
<b>MOC</b>	Management of change
<b>MPAC</b>	Marathon Petroleum Corporation Employees Political Action Committee
<b>MPC</b>	Marathon Petroleum Corporation
<b>MPL</b>	Marathon Pipe Line LLC
<b>N</b>	
<b>NOAA</b>	National Oceanic and Atmospheric Administration
<b>O</b>	
<b>OEMS</b>	Operational Excellence Management System
<b>OPA-90</b>	The Oil Pollution Act of 1990



Key Terms	Definition
<b>OSHA</b>	Occupational Safety and Health Administration
<b>OSHA Recordable Incident</b>	An injury or illness that results in any of the following: death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, loss of consciousness, or a significant injury or illness diagnosed by a physician or other licensed health care professional.
<b>OSHA VPP</b>	Occupational Health and Safety Administration Voluntary Protection Program
<b>P</b>	
<b>PSE</b>	<p>Process safety event. Unplanned or uncontrolled releases of a material from a process.</p> <p>Tier I PSE:</p> <ul style="list-style-type: none"><li>- Loss of primary containment (LOPC) exceeding Tier 1 threshold quantity</li><li>- LOPC resulting in a fatality, lost time injury, community evacuation or shelter-in-place</li><li>- LOPC with fire or explosion damage &gt; \$100,000</li></ul> <p>Tier 2 PSE:</p> <ul style="list-style-type: none"><li>- LOPC exceeding Tier 2 threshold quantity</li><li>- LOPC resulting in a recordable injury</li><li>- LOPC with fire or explosion damage &gt; \$2,500</li></ul>
<b>PSM</b>	Process safety management
<b>R</b>	
<b>RC14001™</b>	A management system that combines Responsible Care™ with the globally recognized ISO 14001 environmental management system, established by the International Organization for Standardization.
<b>RCMS</b>	Responsible Care™ Management System. A global standard and initiative to improve company performance in keys areas of community awareness and emergency response, security, distribution, employee health and safety, pollution prevention and process and product safety.
<b>Renewable diesel</b>	A fuel that is made from vegetable oils, recycled greases or animal fats. Renewable diesel uses a hydrotreating process to produce the fuel, making it very similar to hydrocarbon diesel in its qualities and characteristics.
<b>S</b>	
<b>SASB</b>	Sustainability Accounting Standards Board
<b>Scope 1 Emissions</b>	All direct greenhouse gas emissions by a company. It includes fuel combustion, company vehicles and fugitive emissions
<b>Scope 2 Emissions</b>	Indirect greenhouse gas emissions from consumption of purchased electricity, heat or steam
<b>SEC</b>	The U.S. Securities and Exchange Commission
<b>STEM</b>	Science, technology, engineering and math
<b>T</b>	
<b>TCFD</b>	Task Force on Climate-related Financial Disclosures



Key Terms	Definition
<b>Tier 3 standards</b>	The U.S. Environmental Protection Agency's Tier 3 motor vehicle emissions and fuel standards
<b>Tonne</b>	Metric ton. While a ton is 2,000 pounds, a tonne (or metric ton) is 2,205 pounds
<b>V</b>	
<b>VOC</b>	Volatile organic compound
<b>VRU</b>	Vapor recovery unit
<b>W</b>	
<b>Weighted Industry Average</b>	Bureau of Labor Statistics incident rates weighted to reflect MPC's industry sectors The average industry incident rate reported by the Bureau of Labor Statistics
<b>WHC</b>	Wildlife Habitat Council



# Performance Data

Due to rounding, numbers presented throughout the performance data table may not add up to the totals provided and percentages may not precisely reflect the rounded numbers.

Company Performance	Unit of Measure	2015	2016	2017	2018	2019
<b>ECONOMIC PERFORMANCE<sup>(1)</sup></b>						
<b>Sales and other operating revenue</b>	<b>\$ millions</b>	<b>72,051</b>	<b>63,339</b>	<b>74,733</b>	<b>96,504</b>	<b>123,949</b>
Income from operations	\$ millions	4,708	2,386	4,018	5,571	5,576
Net income attributable to MPC	\$ millions	2,852	1,174	3,432	2,780	2,637
Capital expenditures and investments (excludes acquisitions)	\$ millions	2,424	3,059	3,106	4,304	6,133
Environmental expenditures (capital and expense) <sup>(2)(3)</sup>	\$ millions	630	883	792	957	1,213
<b>OPERATIONAL PERFORMANCE<sup>(4)</sup></b>						
<b>MPC manufacturing inputs</b>	<b>million boe</b>	<b>1,522</b>	<b>1,588</b>	<b>1,669</b>	<b>1,717</b>	<b>1,817</b>
Refining manufacturing inputs	million boe	1,055	1,075	1,107	1,111	1,142
Midstream gas plant manufacturing inputs	million boe	466	513	562	605	675
<b>Greenhouse Gas Emissions<sup>(4,6)</sup></b>						
<b>Total Scope 1 (direct) and Scope 2 (energy indirect) GHG emissions</b>	<b>million tonnes CO<sub>2</sub>e</b>	<b>44.8</b>	<b>46.2</b>	<b>45.3</b>	<b>45.2</b>	<b>45</b>
<b>Total Scope 1 GHG emissions<sup>(7)(8)</sup></b>	<b>million tonnes CO<sub>2</sub>e</b>	<b>36.8</b>	<b>37.7</b>	<b>37.5</b>	<b>37</b>	<b>36.8</b>
Total Scope 1 CO <sub>2</sub> emissions	million tonnes CO <sub>2</sub>	35.9	36.7	36.6	36.2	35.9
Total Scope 1 CH <sub>4</sub> emissions	thousand tonnes CH <sub>4</sub>	28	33	31	29	31.7
Total Scope 1 N <sub>2</sub> O emissions	thousand tonnes N <sub>2</sub> O	0.3	0.3	0.2	0.2	0.2
Total Scope 1 SF <sub>6</sub> and tracer emissions	tonnes SF <sub>6</sub> and tracer	4	1	0	2	1
<b>Refining Scope 1 GHG emissions</b>	<b>million tonnes CO<sub>2</sub>e</b>	<b>32</b>	<b>32</b>	<b>32</b>	<b>32</b>	<b>31</b>
<b>Midstream Scope 1 GHG emissions</b>	<b>million tonnes CO<sub>2</sub>e</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>6</b>
<b>Total Scope 2 GHG emissions<sup>(11)</sup></b>	<b>million tonnes CO<sub>2</sub>e</b>	<b>8</b>	<b>9</b>	<b>8</b>	<b>8</b>	<b>8</b>
Refining Scope 2 GHG emissions	million tonnes CO <sub>2</sub> e	4	4	4	4	4
Midstream Scope 2 GHG emissions	million tonnes CO <sub>2</sub> e	3	4	3	4	4
<b>GHG intensity reduction since 2014</b>	<b>%</b>	<b>-6</b>	<b>-6</b>	<b>-13</b>	<b>-15</b>	<b>-21</b>



Air Emissions	Unit of Measure	2015	2016	2017	2018	2019
<b>Total criteria pollutant emissions</b>	<b>thousand tonnes</b>	<b>59.3</b>	<b>59.0</b>	<b>60.7</b>	<b>56.3</b>	<b>52.2</b>
Total SOx emissions	thousand tonnes	4.9	4.9	4.7	3.5	3.3
Total NOx emissions	thousand tonnes	20.2	20.8	20.8	19.9	18.5
Total CO emissions	thousand tonnes	13.9	13.3	14.9	13.3	12.1
Total VOC emissions	thousand tonnes	16.6	16.5	16.9	16.0	15.0
Total PM <sub>10</sub> emissions	thousand tonnes	3.6	3.5	3.4	3.5	3.4
Total criteria pollutant emissions intensity	tonnes / million boe	39.0	37.2	36.4	32.8	28.7
<b>Refining criteria pollutant emissions</b>	<b>thousand tonnes</b>	<b>37.4</b>	<b>37.0</b>	<b>35.4</b>	<b>33.2</b>	<b>32.8</b>
Refining SOx emissions	thousand tonnes	4.9	4.8	4.6	3.4	3.2
Refining NOx emissions	thousand tonnes	12.7	12.8	12.2	11.8	11.9
Refining CO emissions	thousand tonnes	8.4	8.4	8.2	7.7	7.6
Refining VOC emissions	thousand tonnes	8.1	7.9	7.5	7.4	7.3
Refining PM <sub>10</sub> emissions	thousand tonnes	3.2	3.1	2.9	2.9	2.8
Refining criteria pollutant emissions from flaring	thousand tonnes	3.7	3.8	3.0	2.6	2.5
Refining criteria pollutant emissions intensity	tonnes / million boe	35.4	34.4	32.0	29.8	28.7
<b>Midstream criteria pollutant emissions</b>	<b>thousand tonnes</b>	<b>21.9</b>	<b>22.0</b>	<b>25.3</b>	<b>23.1</b>	<b>19.4</b>
Midstream SOx emissions	thousand tonnes	0.0	0.1	0.1	0.1	0.1
Midstream NOx emissions	thousand tonnes	7.5	8.0	8.6	8.2	6.5
Midstream CO emissions	thousand tonnes	5.5	4.9	6.7	5.6	4.6
Midstream VOC emissions	thousand tonnes	8.5	8.6	9.4	8.7	7.7
Midstream PM <sub>10</sub> emissions	thousand tonnes	0.4	0.4	0.5	0.6	0.6



Water <sup>(4)(6)</sup>	Unit of Measure	2015	2016	2017	2018	2019
<b>Total water withdrawal</b>	<b>Megaliters</b>	<b>150,700</b>	<b>155,624</b>	<b>154,615</b>	<b>158,410</b>	<b>162,026</b>
Total fresh water recycled	Megaliters	6,643	8,179	7,706	7,363	8,675
Surface water withdrawal	Megaliters	80,667	84,230	82,228	86,133	87,693
Groundwater withdrawal	Megaliters	21,611	21,728	21,460	20,335	21,211
Seawater withdrawal	Megaliters	0	0	0	0	87
Third-party withdrawal	Megaliters	48,422	49,665	50,926	51,941	53,034
<b>Total water discharge</b>	<b>Megaliters</b>	<b>80,499</b>	<b>82,849</b>	<b>82,410</b>	<b>85,657</b>	<b>84,104</b>
Surface water discharge	Megaliters	45,642	47,299	47,132	51,819	52,047
Groundwater discharge (includes deepwell injection)	Megaliters	2,344	2,523	2,677	2,276	2,951
Seawater discharge	Megaliters	5,596	5,734	6,574	6,416	6,377
Third-party discharge	Megaliters	26,916	27,293	26,027	25,145	22,729
<b>Total water withdrawal in stressed areas</b>	<b>Megaliters</b>	<b>43,032</b>	<b>43,377</b>	<b>43,562</b>	<b>44,325</b>	<b>43,929</b>
Total fresh water recycled in stressed areas	Megaliters	5,532	7,009	6,516	5,781	5,267
Surface water withdrawal in stressed areas	Megaliters	0	0	0	0	0
Groundwater withdrawal in stressed areas	Megaliters	13,280	13,811	12,251	10,901	11,626
Third-party withdrawal in stressed areas	Megaliters	29,752	29,566	31,312	33,424	32,303
<b>Freshwater withdrawal intensity</b>	<b>Megaliters / million BOE</b>	<b>99</b>	<b>98</b>	<b>92</b>	<b>92</b>	<b>88</b>



	Unit of Measure	2015	2016	2017	2018	2019
<b>WASTE<sup>(4)(6)(12)</sup></b>						
<b>Total hazardous waste</b>	<b>thousand tonnes</b>				<b>37</b>	<b>42</b>
Hazardous waste - recycle	thousand tonnes				11	13
Hazardous waste - recovery (including energy recovery)	thousand tonnes				13	19
Hazardous waste - incineration (mass burn)	thousand tonnes				9	7
Hazardous waste - landfill	thousand tonnes				5	3
Refining hazardous waste generated	thousand tonnes					38
Refining hazardous waste recycled	thousand tonnes					13
Percent of Refining hazardous waste recycled	%					34
<b>OIL SPILLS &gt; 1 bbl<sup>(4)(6)(13)</sup></b>						
<b>Oil spilled to land</b>	<b>bbls</b>	<b>1,370</b>	<b>3,469</b>	<b>3,639</b>	<b>2,207</b>	<b>5,340</b>
Count of oil spills to land > 1 bbl	count	73	98	79	133	140
<b>Oil spilled to water</b>	<b>bbls</b>	<b>3</b>	<b>871</b>	<b>50</b>	<b>1,473</b>	<b>106</b>
Count of oil spills to water > 1 bbl	count	12	11	27	25	20
<b>ENERGY USE<sup>(4)(6)</sup></b>						
<b>Total energy use</b>	<b>Billion GJ</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>
Refining energy use	Billion GJ	0.5	0.5	0.5	0.5	0.5
Midstream G&P energy use	Billion GJ	0.0	0.0	0.1	0.1	0.1
<b>Energy intensity</b>	<b>GJ / boe</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.3</b>
Refining energy intensity	GJ / boe	0.5	0.5	0.5	0.5	0.5
Midstream G&P energy intensity	GJ / boe	0.1	0.1	0.1	0.1	0.1
<b>Avoided energy consumption from efficiency efforts</b>	<b>Million GJ</b>	<b>19</b>	<b>26</b>	<b>18</b>	<b>20</b>	<b>18</b>
<b>TIERS 2, 3 and 4 DESIGNATED ENVIRONMENTAL INCIDENTS (DEIs)<sup>(15)</sup></b>						
<b>Number of Tiers 2, 3 and 4 DEIs</b>	<b>Count</b>	<b>124</b>	<b>119</b>	<b>98</b>	<b>228</b>	<b>228</b>
Number of Tier 2 DEIs	Count	80	80	67	93	143
Number of Tiers 3 and 4 DEIs	Count	44	39	31	135	85
<b>ECOLOGICAL IMPACTS</b>						
<b>Number of Wildlife Habitat Council (WHC) certified habitats maintained by MPC</b>	<b>Count</b>	<b>20</b>	<b>21</b>	<b>21</b>	<b>23</b>	<b>23</b>
Total Acres of land	Acres	1,284	1,327	1,352	1,347	1,317
<b>% of Land owned, leased, and/or operated within areas of protected conservation status<sup>(16)</sup></b>	<b>% Acres</b>					<b>29</b>
<b>% Land owned, leased, and/or operated within 5km of endangered species habitat<sup>(16)</sup></b>	<b>% Acres</b>					<b>9</b>





Process Safety Performance		Unit of Measure	2015	2016	2017	2018	2019
<b>PROCESS SAFETY EVENT RATE</b>							
Process Safety Event Rate - Tier 1 Refining		(Total Tier 1 Count / Total Work Hours) x 200,000	0.08	0.04	0.05	0.05	0.04
Process Safety Event Rate - Tier 1 Midstream		(Total Tier 1 Count / Total Work Hours) x 200,000	0.02	0.00	0.05	0.07	0.08
Process Safety Event Rate - Tier 2 Refining		(Total Tier 1 Count / Total Work Hours) x 200,000	0.22	0.16	0.15	0.16	0.18
Process Safety Event Rate - Tier 2 Midstream		(Total Tier 1 Count / Total Work Hours) x 200,000	0.14	0.06	0.14	0.14	0.11
<b>Workforce</b>							
Total Workforce - All Employees	Count					60,350	60,910
Total Workforce - Women	%					46	46
Total Workforce - Racial/Ethnic Minority Groups	%					31	32
Workforce Excluding Speedway - All Employees	Count					20,120	20,520
Workforce Excluding Speedway - Women	%					19	19
Workforce Excluding Speedway - Racial/Ethnic Minority Groups	%					22	23
Total Hires - All Employees	Count					2,650	2,750
Total Hires - Women	%					24	25
Total Hires - Racial/Ethnic Minority Groups	%					19	21
Unionized Employees - All Employees	Count					4,780	4,650



	Unit of Measure	2015	2016	2017	2018	2019
<b>SUPPLY CHAIN</b>						
Supply chain spend (excluding crude/feedstock purchases)	\$ billion					19.7
Diverse Supplier Spend (excluding Speedway and crude/feedstock purchases)	\$ million					395
<b>GOVERNANCE</b>						
Board Composition - Independent directors	%					92
Board Composition - Board diversity (women + ethnic minorities)	%					33
Board Experience - Significant refreshment since 2017	%					50
<b>CYBERSECURITY</b>						
MPC email account holders were targeted with phishing simulations	%					100
<b>COMMUNITY INVESTMENT<sup>(20)</sup></b>						
Community Investment Dollars	\$ million				21.7	18.7
Non-profits Supported	Count				921	534
Spend By Category - STEM Education	%					47
Spend By Category - Public Safety	%					29
Spend By Category - Environment	%					14
Spend By Category - Other	%					10
Employee Dollars Donated	\$ million				3.35	5.6
Volunteer Hours	Hours				43,765	55,525

<sup>(1)</sup> As reported in the MPC 2019 Annual Report on Form 10-K.<sup>(2)</sup> Based on the American Petroleum Institute's definition of environmental expenditures.<sup>(3)</sup> These amounts include spending charged against remediation reserves, where permissible, but exclude non-cash provisions recorded for environmental remediation.<sup>(4)</sup> Data before 2019 inclusive of facilities that MPC did not yet own so that performance can be compared across the same asset base over time. Assets included are those which MPC owned/operated as of Dec. 31, 2019, unless otherwise noted. Estimates used in some instances where historic data was unavailable.<sup>(5)</sup> This footnote only pertains to data found within the Interactive Performance Data found online.<sup>(6)</sup> Environmental performance reported for facilities of which MPC has operational control.<sup>(7)</sup> Scope 1 direct GHG emissions include those from Refining, Midstream & Retail/other and are typically calculated per the EPA's Mandatory Greenhouse Gas Reporting Program or the 2009 API Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry. Global Warming Potentials used are from Table A-1 to Subpart A of 40 CFR Part 98 as of the year they were reported. It includes emissions from fuel combustion, company vehicles and fugitive emissions.<sup>(8)</sup> Inclusive of carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O). Nitrogen trifluoride (NF<sub>3</sub>), hydrofluorocarbons (HFC), and perfluorocarbons (PFC) emissions are considered to not be material to our operations and are therefore excluded.<sup>(9)</sup> The Martinez and Los Angeles refineries are currently subject to the California Cap-and-Trade Program.



- (10) This footnote only pertains to data found within the Interactive Performance Data found online.
- (11) Scope 2 emissions include indirect GHG emissions from consumption of purchased electricity, heat or steam.
- (12) The legal or regulatory frameworks used to define hazardous waste and recycled hazardous waste is 40 CFR 260-261.
- (13) This footnote only pertains to data found within the Interactive Performance Data found online.
- (14) This footnote only pertains to data found within the Interactive Performance Data found online.
- (15) DEIs include three categories of environmental incidents: releases to the environment (air, land or water), environmental permit exceedances and agency enforcement actions. Does not include Retail. Tier 3 and 4 DEIs are the most significant types of DEIs.  
DEI performance is only inclusive of assets/entities that MPC owned in the reporting year, except Andeavor assets included in 2018 for Tier 3 & 4 data only.
- (16) The USGS Protected Areas Database v.2.0 is the nation's official inventory of public open space and private protected areas and was used to determine areas of protected conservation status. The U.S. Fish and Wildlife Critical Habitat Data was used to determine areas of endangered species habitat. As MPC's operations are limited to the U.S., these two datasets are appropriate for the evaluation of this metric in place of the references suggested in the standard.  
Approximations were used to determine the bounds of MPLX properties.
- (17) This footnote only pertains to data found within the Interactive Performance Data found online.
- (18) This footnote only pertains to data found within the Interactive Performance Data found online.
- (19) This footnote only pertains to data found within the Interactive Performance Data found online.
- (20) Includes Marathon Petroleum Foundation dollars.



## Reporting Framework Cross-Reference

Material Topic	GRI	SASB		IPIECA	Disclosure Location
		Refining	Midstream		
GHG Emission	201-2: Financial implications and other risks and opportunities due to climate change	EM-RM-110a.2  EM-RM-110a.1	EM-MD-110a.2  EM-MD-110a.1	CCE-1 Climate governance and strategy  CCE-2 Climate risk and opportunities	2019 Sustainability Report - Leading in Sustainable Energy  2019 Sustainability Report Performance Data: Greenhouse Gas Emissions  2019 Perspectives on Climate-Related Scenarios
	305-1: Direct (Scope 1) GHG emissions			CCE-4 Greenhouse gas emissions	
	305-2: Energy indirect (Scope 2) GHG emissions				
	305-4: GHG emissions intensity				
	305-5: Reduction of GHG emissions				
Air Quality and Emissions	305-7: Nitrogen oxides (NO <sub>x</sub> ), sulfur oxides (SO <sub>x</sub> ), and other significant air emissions	EM-RM-120a.1	EM-MD-120a.1	ENV-5 Emissions to air	2019 Sustainability Report - Conserving Natural Resources and Reducing Waste: Air Quality and Emissions
		EM-RM-120a.2			2019 Sustainability Report Performance Data: Air Emissions
Biodiversity	304-1: Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas		EM-MD-160a.1 EM-MD-160a.2	ENV-4 Protected and priority areas for biodiversity conservation	2019 Sustainability Report - Conserving Natural Resources and Reducing Waste: Biodiversity
			EM-MD-160a.3	ENV-8 Decommissioning	2019 Sustainability Report Performance Data: Ecological Impacts
Spill Prevention	306-3: Significant Spills		EM-MD-160a.4	ENV-6 Spills to the environment	2019 Sustainability Report - Conserving Natural Resources and Reducing Waste: Spill Prevention
					2019 Sustainability Report Performance Data: Spills



Material Topic	GRI	SASB		IPIECA	Disclosure Location
		Refining	Midstream		
Water Use and Conservation	303-3: Water withdrawal 303-4: Water discharge  303-5: Water consumption	EM-RM-140a.1  EM-RM-140a.2		ENV-1 Freshwater  ENV-2 Discharges to water	2019 Sustainability Report - Conserving Natural Resources and Reducing Waste: Water Use and Conservation at Our Refineries  2019 Sustainability Report Performance Data: Water
Diversity and Inclusion	405-1: Diversity of governance bodies and employees			SOC-5 Workforce diversity and inclusion	2019 Sustainability Report - Creating Shared Value and Opportunity: Our People  2019 Sustainability Report – Operating with Integrity: Governance  2019 Sustainability Report Performance Data: Workforce
Community	413-1: Operations with local community engagement, impact assessments, and development programs  OG-12 Operations where involuntary resettlement took place			SOC-9 Local community impacts and engagement SOC-12 Community grievance mechanisms SOC-10 Engagement with Indigenous Peoples SOC-11 Land acquisition and involuntary resettlement	2019 Sustainability Report - Creating Shared Value and Opportunity: Our Communities  2019 Sustainability Report Performance Data: Community Investment
Business Ethics and Accountability	205-1: Operations assessed for risks related to corruption 205-2 Communication and training about anti-corruption policies and procedures  206-1: Anti-competitive behavior	EM-RM-520a.1	EM-MD-520a.1	GOV-3 Preventing corruption	2019 Sustainability Report - Operating with Integrity: Compliance and Ethics  2019 Sustainability Report: Code of Business Conduct  2019 Annual Report - Item 3. Legal Proceedings - Litigation



Material Topic	GRI	SASB		IPIECA	Disclosure Location
		Refining	Midstream		
Workforce Safety	403-1: Occupational health and safety management system	EM-RM-320a.2	SHS-3 Occupational injury and illness incidents	2019 Sustainability Report - Promoting Safety  2019 Sustainability Report – Operating with Integrity: Operational Excellence Management System  2019 Sustainability Report Performance Data: Personal Safety Performance	
	403-2: Hazard ID, risk assessment, and incident investigation				
	403-3: Occupational health services				
	403-4: Worker participation, consultation, and communication on occupational health and safety				
	403-5: Worker training on occupational health and safety				
	403-6: Promotion of worker health				
	403-9: Work-related injuries				
	403-10: Work-related ill health				
Process Safety	OG-13: Number of process safety events	EM-RM-540a.1 EM-RM-540a.2 EM-RM-540a.3	EM-MD-540a.1 EM-MD-540a.2 EM-MD-540a.3 EM-MD-540a.4	SHS-6 Process safety	2019 Sustainability Report - Promoting Safety  2019 Sustainability Report Performance Data: Process Safety Performance

Note: TCFD recommendations are also addressed in our 2019 Perspectives on Climate-Related Scenarios Report.



#### **Disclosures regarding forward-looking statements**

This publication includes forward-looking statements. You can identify our forward-looking statements by words such as "anticipate," "believe," "design," "estimate," "expect," "forecast," "goal," "guidance," "imply," "intend," "objective," "opportunity," "outlook," "plan," "position," "pursue," "prospective," "predict," "project," "potential," "seek," "strategy," "target," "could," "may," "should," "would," "will," or other similar expressions that convey the uncertainty of future events or outcomes. We have based our forward-looking statements on our current expectations, estimates and projections about our industry and our company. We caution that these statements are not guarantees of future performance and you should not rely unduly on them, as they involve risks, uncertainties and assumptions that we cannot predict. In addition, we have based many of these forward-looking statements on assumptions about future events that may prove to be inaccurate. While our management considers these assumptions to be reasonable, they are inherently subject to significant business, economic, competitive, regulatory and other risks, contingencies and uncertainties, most of which are difficult to predict and many of which are beyond our control. Accordingly, our actual results may differ materially from the future performance that we have expressed or forecast in our forward-looking statements. In accordance with "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, we have included in our Form 10-K for the year ended Dec. 31, 2019, and Forms 10-Q, cautionary language identifying important factors, though not necessarily all such factors, that could cause future outcomes to differ materially from those set forth in the forward-looking statements. Copies of MPC's Form 10-K and Forms 10-Q are available on the SEC's website, MPC's website at <https://www.marathonpetroleum.com/Investors/> or by contacting MPC's Investor Relations office.

**Students on a nature tour during Lincoln Elementary School and MPC  
Pen Pal end of year celebration in Findlay, Ohio.**



**Marathon  
Petroleum Corporation**