

An aerial photograph of an industrial facility, likely a refinery or chemical plant, situated in a rural landscape. The facility features numerous large white storage tanks, distillation columns, and various industrial buildings. In the foreground, a winding river flows through lush green fields. The background shows a vast expanse of farmland under a dramatic sunset sky with a low sun on the horizon.

SUSTAINABILITY REPORT 2020

| Challenging Ourselves to
Lead in Sustainable Energy



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On the cover:
Dickinson, North Dakota, Renewable Fuels Facility

MPC at a Glance



134 years

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



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



2.9 million

barrels per calendar day of crude oil refining capacity



11.8 billion

standard cubic feet per day of natural gas processing capacity



2.1 billion

gallons of renewable fuels delivered to consumers in 2020



Own, lease or have ownership interest in
17,000+
miles of pipeline



2 strong brands



A marine business that owns and operates

23 vessels and 300 barges



8,100

North American retail and marketing locations



42 million

barrels of storage capacity at 112 light product and asphalt terminals

A Message from Our CEO

At MPC and MPLX, we are meeting the needs of today while investing in a sustainable, energy-diverse future. Our approach to sustainability spans the environmental, social and governance (ESG) dimensions of our business. That means strengthening resiliency by lowering our carbon intensity and conserving natural resources; innovating for the future by investing in renewables and emerging technologies; and embedding sustainability in decision-making and in how we engage our people and many stakeholders.

In short, we are challenging ourselves to lead in sustainable energy.

A key component of meeting this challenge is our ongoing investment in lowering our carbon intensity. We have set a target to reduce Scope 1 and 2 GHG emissions intensity 30% below 2014 levels by 2030 – a metric linked to compensation. And we have committed to reduce methane emissions intensity 50% below 2016 levels by 2025, a move that further

enhances the lower carbon profile of our growing natural gas business. As a result of our focus on energy efficiency, for the second straight year we were recognized by the U.S. Environmental Protection Agency with the ENERGY STAR® Partner of the Year – Sustained Excellence award – the only company with fuels manufacturing as its primary business to earn this recognition.

The evolving energy landscape presents us with meaningful opportunities for innovation. Building on our existing renewables portfolio, we are advancing two exciting renewable fuels projects. In late 2020, we began production at our Dickinson, North Dakota, renewable diesel facility, the second largest of its kind in the United States, and are progressing the conversion of our Martinez, California, refinery to a renewable diesel facility. We are also leveraging value chain opportunities to lower the carbon intensity of these products through renewable electricity, lower carbon-intensity feedstocks, and carbon capture, utilization and sequestration.

Our commitment to conserving natural resources is reflected in our goal to reduce our freshwater withdrawal intensity 20% below 2016 levels by 2030. Our year-over-year reductions in criteria pollutant emissions and waste generation also show continuous improvement in this area.

In 2020, our teams demonstrated strong safety and environmental performance, including a nearly 40% reduction in the most significant process safety events and a 40% reduction in designated environmental incidents over 2019. Our personal safety performance continues to be better than industry average for the U.S. refining and midstream sectors.

In a year marked by extraordinary challenges associated with the COVID-19 pandemic, creating shared value with our many stakeholders took on deeper meaning. We expanded our reach to assist with the increased demands surrounding remote learning and basic needs through our Community Investment program and increased our company match of employee giving from 60% to 100%. Our comprehensive approach to stakeholder engagement also included closely engaging with tribal communities across our operational footprint and working with our suppliers to advance supply chain sustainability and adherence to our Supplier Code of Conduct.

To sharpen our focus on making sustainability pervasive in all we do, we include an ESG metric in our employee bonus programs, weighted at 20%. We recently introduced a Diversity, Equity and Inclusion component – making us the first U.S. independent downstream energy company to link improving diversity to compensation, in the same way we led the industry in linking GHG intensity reductions to our compensation. We are encouraged by the recognition of our progress – with inclusion in the Dow Jones Sustainability Index, the Forbes Just 100 list, and a 100% score on the Human Rights Campaign Corporate Equality Index.

Thank you for your interest in MPC and MPLX. We invite you to read on to learn more about how we are challenging ourselves to lead in sustainable energy, and we welcome your thoughts at sustainability@marathonpetroleum.com.

Sincerely,



Michael J. Hennigan
President and CEO
June 2021



2020 Sustainability Highlights

Established a

GHG emissions intensity target

to reduce Scope 1&2 GHG emissions intensity 30% by 2030 from 2014 levels

First U.S. independent downstream energy company to link GHG emissions intensity target to compensation

Established a

methane emissions intensity target

to reduce 50% by 2025 from 2016 levels

Established a

freshwater withdrawal intensity target

to reduce 20% by 2030 from 2016 levels

Project approved to convert Martinez refinery to **renewable fuels facility**

First U.S. independent downstream energy company to establish

Diversity, Equity & Inclusion metric

linked to compensation

\$277 million
total Supplier Diversity Program spend

Implemented

Supplier Code of Conduct

Completed Dickinson Renewable Diesel Facility –

2nd largest
in the U.S.

\$630 million

environmental expenditures to improve environmental performance of assets

Implemented Policy on

Human Rights,

Including the Rights of Indigenous People

Named to the

Texan by Nature 20

list for conservation work

MPLX awarded the **U.S. Coast Guard's Rear Admiral William M. Benkert Marine Environmental Award for Excellence**

\$17 million+

invested in communities by MPC, MPLX and our employees including \$3.3 million donated to COVID-19 relief efforts



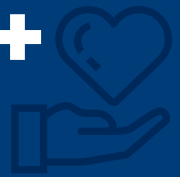
Forbes Just 100 –

Named one of the top 100 companies leading in responsible capitalism



44,000+

employee volunteer hours



Eight American Fuel & Petrochemical Manufacturers **safety awards**

1,300+

acres of certified wildlife habitat owned and maintained



100%

employee giving company match



Dow Jones

Sustainability™ North America Index for the second straight year



U.S. EPA ENERGY STAR®

Partner of the Year – Sustained Excellence Award and Challenge for Industry Awards

54%

reduction in criteria pollutant emissions since 2002



Human Rights Campaign Corporate Equality Index –

100% score



Issued a formal

biodiversity commitment



Our Approach to Sustainability

At MPC and MPLX, our commitment to sustainability means taking actions that create shared value with our stakeholders – empowering people to achieve more, contributing to progress in our communities and protecting the environment we all share.

We are challenging ourselves to **lead in sustainable energy — meeting the needs of today while investing in an energy-diverse future**. This objective drives us to strengthen the resiliency of our business, innovate for the future and embed sustainability in all we do.



Strengthen Resiliency

Strengthening our business for today, while building durability for tomorrow and beyond

We operate with an understanding of the potential environmental impacts of our business. This understanding informs our commitment to lower the carbon intensity of our operations and the products we manufacture, improve the energy efficiency of our operations and advance practices that conserve natural resources.



Innovate for the Future

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

We strive to be a market leader in the production and delivery of renewable fuels, seek ways to expand the use of renewable energy in our operations and deploy emerging technologies that reduce environmental impact while enhancing business performance.



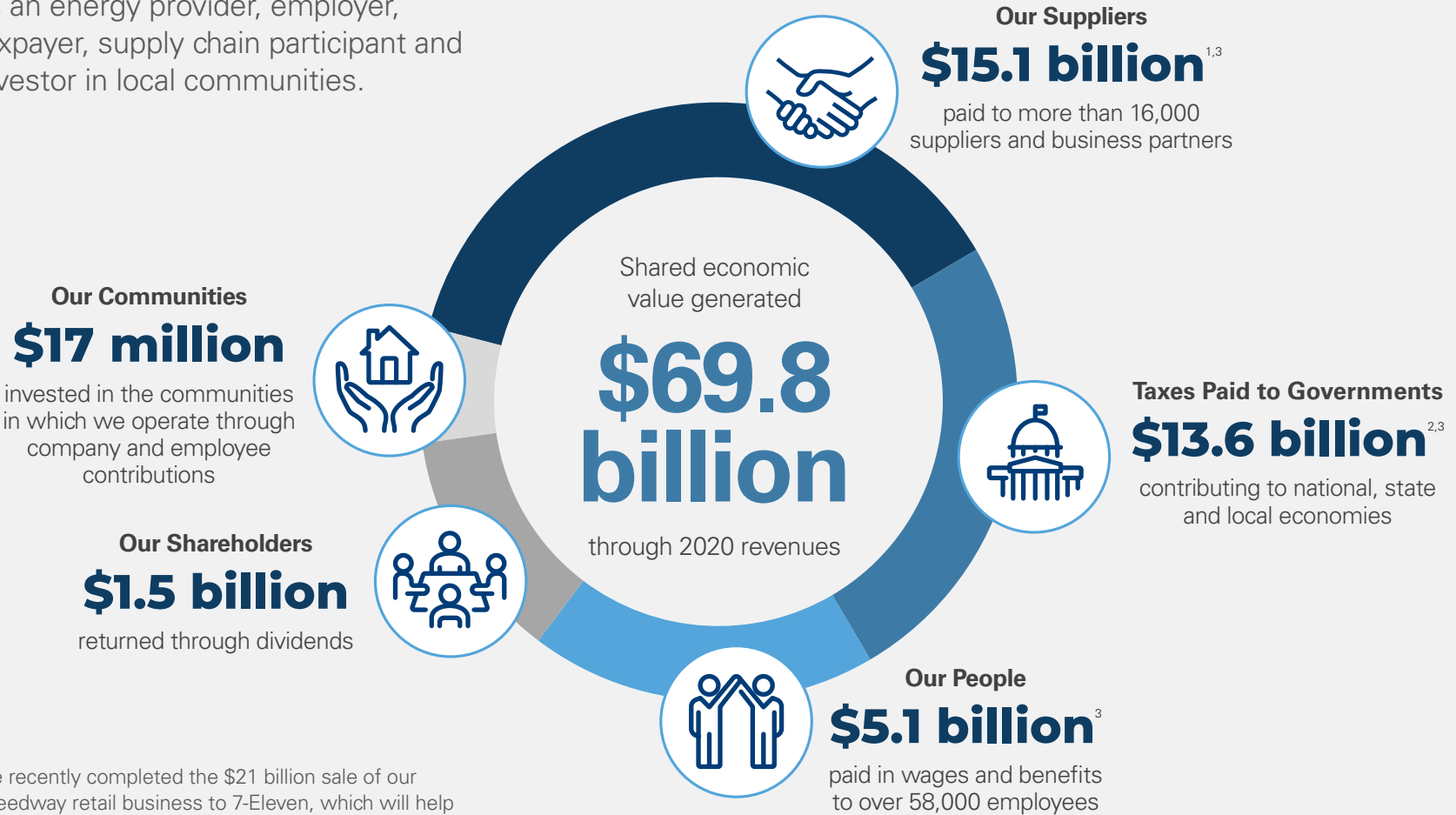
Embed Sustainability

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

We maintain a companywide commitment to protecting the health and safety of our employees and the public, responsibly managing our social impacts, promoting diversity, equity and inclusion, and maintaining accountable and transparent governance.

Shared Value - 2020

We recognize the importance of creating shared value with all of our stakeholders. We contribute to society as an energy provider, employer, taxpayer, supply chain participant and investor in local communities.



We recently completed the \$21 billion sale of our Speedway retail business to 7-Eleven, which will help strengthen our balance sheet and return capital to MPC shareholders. The sale included a 15-year fuel supply agreement and the opportunity to supply additional 7-Eleven locations.

¹ Excludes crude/feedstock purchases
² Includes sales, use, excise taxes
³ Includes Speedway

Stakeholder Engagement

At MPC and MPLX, we value open dialogue with our stakeholders, including employees, shareholders, business partners, customers, the communities we call home and governments. Our sustainability strategy is guided by ongoing dialogue with our stakeholders to inform our understanding of the issues and trends facing our industry and company. We seek to understand stakeholder perspectives and incorporate their feedback and insights into our approach to sustainability.



Our People



Shareholders



Business Partners



Customers



Communities



Governments

Principles and Aspirations	Our People	Shareholders	Business Partners	Customers	Communities	Governments
	<p>As we are distinguished by our engaged and talented teams, we work to:</p> <ul style="list-style-type: none"> ■ 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 	<p>As we keep shareholder value at the forefront of our efforts, we work to:</p> <ul style="list-style-type: none"> ■ Create long-term, sustained value ■ Diversify earnings portfolio; highly attractive and accretive growth opportunities ■ Strengthen business, improve productivity and increase profitability 	<p>As a valued business partner, we work to:</p> <ul style="list-style-type: none"> ■ Promote mutual understanding of principles and interests with partners and suppliers ■ Collaborate for solutions that promote increased value for our partners and the business 	<p>As the provider of choice for our customers, we work to:</p> <ul style="list-style-type: none"> ■ Deliver superior service and products throughout our integrated business ■ Provide a safe and convenient consumer experience 	<p>As a valued member of communities where we live and operate, we work to:</p> <ul style="list-style-type: none"> ■ Invest and engage while considering community needs and business objectives ■ Seek to provide opportunities 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 	<p>As a trusted and credible voice with government, we work to:</p> <ul style="list-style-type: none"> ■ Advocate for sound public policies ■ Collaborate to find solutions to issues of mutual interest ■ Educate on our industry
How We Engage	Our People	Shareholders	Business Partners	Customers	Communities	Governments
	<ul style="list-style-type: none"> ■ Code of Business Conduct ■ Integrity Helpline ■ CEO communications ■ Regular employee communications ■ Performance management ■ Safety meetings ■ Employee Network Groups ■ Wellness programs 	<ul style="list-style-type: none"> ■ Investor presentations and conferences ■ Engagement with analysts and portfolio managers ■ Engagement with investor stewardship teams ■ Annual Shareholder Meeting ■ SEC filings 	<ul style="list-style-type: none"> ■ Supplier Code of Conduct ■ Business partner reviews ■ Sourcing process ■ Contract management ■ Supplier diversity program ■ Value creation opportunities ■ Supplier audits ■ Supplier recognition awards ■ Strategic partnership management 	<ul style="list-style-type: none"> ■ Global, regional and local industry events, forums and conferences ■ Company events and meetings ■ Partnerships and working groups to advance best practices 	<ul style="list-style-type: none"> ■ Websites, news and social media ■ Community investment programs ■ Community engagement ■ Bridge programs ■ Employment ■ Landowner events ■ Focus groups ■ Community surveys ■ Facility tours ■ Community hotlines ■ Community Advisory Panels ■ Facilitation of community events ■ Sponsorships 	<ul style="list-style-type: none"> ■ Advocacy ■ Policy development ■ Industry and trade association representation ■ Regulatory compliance ■ Permit reviews ■ Regulatory audits ■ Collaboration on community investment projects ■ Tours ■ Marathon Petroleum Corporation Employees Political Action Committee

Identification of Material¹ Reporting Topics

In determining the content for our report, we conducted a materiality assessment to prioritize the environmental, social and governance (ESG) reporting topics that are most important to our stakeholders and to our business. Consistent with Sustainability Accounting Standards Board (SASB) and Global Reporting Initiative (GRI) Core reporting guidelines, we focus on topics that reflect significant ESG impacts and enable stakeholders to assess our company performance.

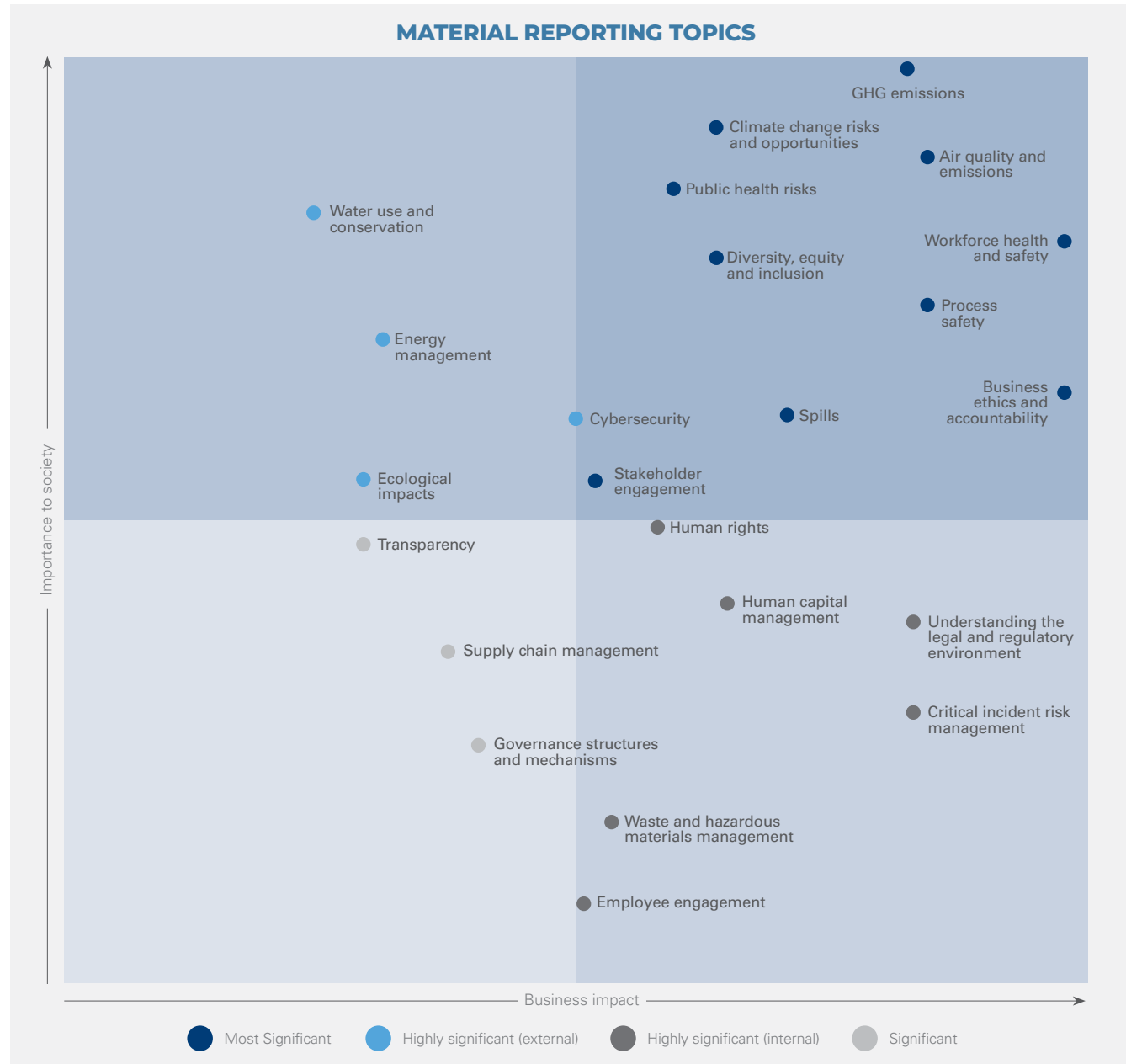
We engaged both external and internal stakeholders to understand their perspectives on a broad range of identified topics. We combined the information gathered from these engagements with insights from industry benchmarking, governmental regulations, voluntary initiatives and analysis of online news and social media trends to create a more nuanced understanding of priority reporting topics. To accomplish this, we utilized Datamaran®, a digital tool that uses real-time data and artificial intelligence to track meta trends and issue relevance over time. The insights and analysis described above resulted in a list of significant reporting topics for MPC and MPLX.

Our Materiality Methodology

informed by GRI and SASB

1. Identify the topics
2. Prioritize the topics
3. Validate the topics
4. Continue engagement

¹ 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



Strengthen Resiliency



Strengthening our business for today, while building durability for tomorrow and beyond

- Lowering Carbon Intensity
- Conserving Natural Resources

Pictured: MPLX Sherwood natural gas processing plant in Doddridge County, West Virginia.

Lowering Carbon Intensity

We are committed to lowering the carbon intensity of our operations and the products we process; improving the energy efficiency of our operations; and working with others to improve energy efficiency within the manufacturing, consumer and transportation sectors.

Greenhouse Gas Emissions Intensity Reduction Target

First U.S. independent downstream energy company to establish a companywide GHG emissions intensity reduction target linked to compensation

- **Reductions achieved through insetting, not offsetting**
- Tangible pathway to meet target
- Committed to evaluate and update target as demand and technologies evolve



Our GHG Emissions

Our greenhouse gas (GHG) emissions reduction performance is an indicator of how efficiently we operate our facilities and our reduction target drives us to implement initiatives that reduce the GHG emissions intensity of our company. While we include an overview of our GHG program and metrics in this report, additional detail, including climate change risks and opportunities, can be found in our annual [Perspectives on Climate-Related Scenarios report](#).

Our GHG emissions intensity reduction target 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.

The primary ambition of the Paris Agreement is to limit global warming to well below 2 degrees Celsius compared to pre-industrial levels. Our investments in lower-carbon businesses over the past decade, along with our GHG emissions intensity reduction target, are advancing a business model that is progressively lowering our carbon intensity over time.

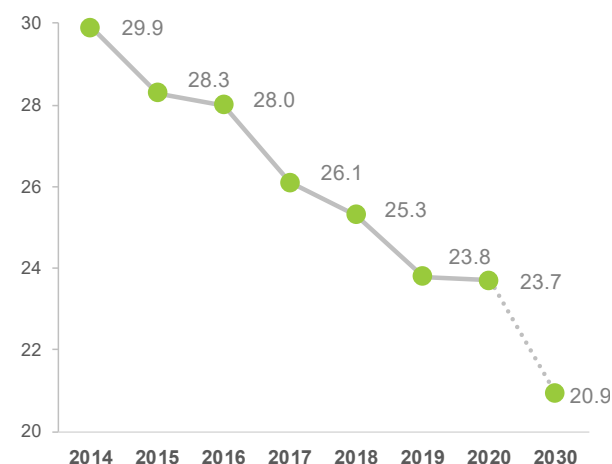
This year in our performance data table, we have included an estimate of the Scope 3 emissions from the products we process and market. We also plan to provide the information in our report to the CDP later this year, so that investors and stakeholders have an additional avenue to access our data. For more information on our approach to reporting Scope 3 emissions, please see pages 7-8 of the [Perspectives on Climate-Related Scenarios report](#).

Capital Allocation

Consistent with our GHG emissions intensity reduction target, we employ a risk-based capital allocation process that assigns higher return-on-investment (ROI) thresholds for business segments and projects with greater financial and regulatory uncertainty than those with more stable cash flow and less regulatory risk. The ROI thresholds are highest in refining where high carbon pricing and market uncertainty impose more risk. As part of our major project planning process, we now include an assessment of project GHG emissions intensity and any potential impact to our company GHG emissions intensity reduction target.

This process is driving capital investment and decision-making consistent with a lower carbon future. For example, over 40% of growth capital in our 2021 budget is directed toward increasing our production of renewable fuels, lowering MPC's carbon intensity. We also incorporate energy and GHG management into project design, so that our collective growth projects support our 2030 goal.

MPC Companywide GHG Emissions Intensity
(tonnes CO₂e/thousand BOE processed)



Focus on Energy

In the past decade, our Focus on Energy program helped us avoid the equivalent of 1.8 billion Btu/hr of energy use, or roughly the same amount of energy used by about 100,000 homes in one year. The program's cost savings are approximately \$500 million.

Recognized for Improved Energy Efficiency

For the second consecutive year, MPC has earned the U.S. Environmental Protection Agency's (EPA's) ENERGY STAR® Partner of the Year — Sustained Excellence Award, the highest honor among ENERGY STAR awards.



PARTNER OF THE YEAR
Sustained Excellence

Second consecutive year

Only refining company to have the elite “**Partner of the Year**” designation



MPC is the only company with fuels manufacturing as its primary business to earn the award, which recognizes the company for sustained, top-tier energy efficiency and excellent environmental compliance.

The EPA reserves the award's Sustained Excellence designation for partners like MPC that have already received ENERGY STAR Partner of the Year recognition for a minimum of two consecutive years, and then continue to go above and beyond the criteria needed to qualify for the award.

One contributing factor to MPC's recognition is its industry-leading performance in ENERGY STAR certifications, which recognize a facility for:

- Meeting the EPA's strict energy efficiency performance criteria
- Demonstrating excellent environmental compliance
- Achieving energy efficiency that places it in the top 25% of similar facilities nationwide

Five of MPC's refineries earned individual ENERGY STAR certifications from the EPA in 2020: Anacortes, Washington; Garyville, Louisiana; Robinson, Illinois; St. Paul Park, Minnesota; and Canton, Ohio.



First-ever petroleum refiner to have

5 refineries

earn U.S. EPA's ENERGY STAR®
certifications in one year

Overall, MPC's refineries have earned more certifications than all other refining companies combined.

Four MPLX terminals achieved the U.S. EPA's ENERGY STAR Challenge for Industry award in 2020: Nashville Downtown and 51st, Nashville, Tennessee; Youngstown, Ohio; and Charleston, West Virginia. Their actions reduced costs and emissions of greenhouse gases at the terminals.



4 terminals

earn U.S. EPA's ENERGY STAR®
Challenge for Industry award

ENERGY EFFICIENCY

MPLX continues to implement a formalized energy-efficiency program to drive improvements.

Smart-Start Vapor Recovery

MPLX terminals utilize vapor recovery units (VRUs) to recover vapors from trucks as they are loaded with fuel. Continuous emission monitors equipped with smart-start processing equipment allow the VRUs to operate only while loading, saving power and decreasing emissions. Utilizing 77 VRUs across MPLX terminals, we avoided 18,400 tonnes of CO₂ in 2020.

EPA's SmartWay® Program

As a partner company in EPA's SmartWay Transport program, we use assessment tools to track the GHG emissions intensity of our tanker trucks to help us find opportunities to become more efficient. In 2020, we continued to improve our transportation efficiency, resulting in a 4% increase in miles per gallon and a 4% reduction in CO₂ grams per mile since 2017.

INCREASING EFFICIENCY THROUGH COGENERATION

An effective way to increase efficiency is through cogeneration, a process that simultaneously produces electricity while capturing useful heat or steam for industrial uses. Replacing lower-efficiency boilers and deploying Combined Heat and Power (CHP) systems reduces the emissions intensity at our facilities. Five of our facilities have CHP systems that cogenerate electricity and steam. These facilities have avoided millions of tonnes of GHG emissions since they were installed.

Methane Emissions Intensity Reduction Target

We have established MPLX's "Focus on Methane" program as a holistic approach to voluntarily reduce methane emissions along all aspects of MPLX's natural gas gathering and processing operations.



Target: Reduce MPLX methane emissions intensity **50%** by 2025 from 2016 levels



WHY A METHANE REDUCTION GOAL?

Natural gas, which consists primarily of methane, emits half the carbon dioxide of coal when used to generate electricity.

Given this significant advantage, coal-to-gas switching for power generation is one of the best "quick win" strategies that can be employed to reduce near-term GHG emissions. Our commitment to voluntarily reduce methane emissions maximizes the climate benefits of natural gas investments.

MPLX Focus Areas for Methane Reductions

- **Pneumatic control valves:** Over 80% of our more than 25,000 pneumatic controllers are powered by compressed air, meaning they are not a source of methane. For the remaining gas-driven controllers we plan to replace the remaining ~300 high-bleed controllers by the end of 2022 and begin implementing a program to either convert ~3,000 intermittent bleed controllers to low bleed or compressed air or implement an LDAR program to assure performance.
- **Pipeline launchers and receivers:** As part of an agreement with U.S. EPA, we developed proprietary technology to minimize emissions from pipeline launchers and receivers. MPLX shared its solutions with nearly 1,000 people via in-person trainings, and our royalty-free patents are available on the [MPLX website](#).
- **Fugitive LDAR:** Currently, approximately 25% of our 180 compressor stations are being monitored under existing LDAR programs. We plan to implement LDAR programs at the remaining compressor stations by 2023.
- **Compressor rod packing:** We have completed trials to reduce emissions from compressor rod packing using a low-emission packing material and installing vent flow measurement. Over the next three years we will expand the use of this design across the business as part of routine rod packing replacements.
- **Maintenance venting:** We are optimizing necessary maintenance venting and blowdowns to reduce emissions going to the atmosphere, including using vapor recovery units and/or portable flares.



Largest

natural gas processor in the U.S.
facilitating approximately 250
million tonnes of CO₂e reductions
per year from coal to gas switching
in the power sector



Conserving Natural Resources

To meet society's current and future energy needs, we must do our part as responsible stewards of the environment we all share.

We recognize that our business activities can impact the ecosystems and communities in which we operate and that these must be managed and mitigated.

Safety and Environmental Stewardship is one of our core values. We are committed to minimizing our environmental impact and reducing our footprint through advanced practices and investments that conserve natural resources.

In 2020, we spent \$630 million, or 23% of our capital spend (excluding acquisitions) on environmental expenditures to improve the environmental performance of our assets.

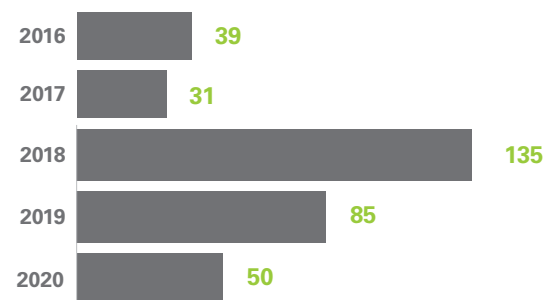
Enhanced Accountability through Environmental Management

Beginning in 2020, 100% of our company is in scope of our Operational Excellence Management System (OEMS), which is third-party reviewed for alignment with RC14001®. Our commitment to RC14001® ensures that we follow our environmental stewardship policies, which include responsibilities to assess, minimize and reduce our environmental impact and communicate with stakeholders about the environmental impacts of our products and operations.

Designated Environmental Incidents

The Designated Environmental Incidents (DEI) metric is an internal indicator to track our spills, environmental permit exceedances and agency enforcement actions. We use four DEI tiers to measure severity, with Tiers 1 and 2 being the least severe. We consider these leading indicators of potential problems that can be mitigated and addressed proactively, compared to the more severe Tier 3 and 4 DEIs.

Tier 3 and 4 DEIs¹ (count)



63% reduction in Tier 3 and 4 DEIs since 2018

¹DEIs 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. Andeavor assets included in 2018.

PRIORITY AREAS

At MPC, in addition to our extensive work on lowering the GHG emissions intensity of our operations and products, we emphasize these priority areas for conserving natural resources:



Protecting biodiversity



Reducing waste



Reducing freshwater withdrawal intensity



Improving air quality

Biodiversity

MPC and MPLX employ multiple proactive measures to protect plant and animal species and preserve their natural habitats. Our OEMS 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. EPA, U.S. Fish and Wildlife Service, U.S. Bureau of Land Management (BLM) and U.S. Army Corps of Engineers.

COMMITMENT TO BIODIVERSITY

- As one of our core values, we are steadfast in our commitment to environmental protection, stewardship and conservation efforts.
- When executing projects and operations, we apply a similar approach to that of the Mitigation Hierarchy¹ to identify and assess ways to first avoid, then minimize or offset impacts to biodiversity.
- Through the environmental focus of our formal and informal risk assessments, we seek to avoid proposed activities with the potential for negative impacts in ecologically sensitive areas. Early engagement with communities and local, state and federal government agencies informs project planning.
- Our various policies and processes are designed to protect the environmental quality of the habitats in and around our operations. We are mindful that operating within communities is a privilege, and we work to continually identify and minimize any impacts our operations may have on the public and the environment.



¹The Mitigation Hierarchy is a framework, established by the International Finance Corporation's Performance Standard 6, to aid development projects in preparation for impacts and aim to achieve no net loss of biodiversity. The Hierarchy follows avoidance, minimization, restoration and offsets in order to reduce development impacts and control any negative effects on the environment.

Protecting Biodiversity throughout the Pipeline Life Cycle

Our policies and practices for pipeline siting, construction, operation, maintenance and decommissioning are aligned with the International Finance Corporation's Performance Standards on Environmental and Social Sustainability¹.

At each stage of the pipeline life cycle we:

Identify and engage impacted stakeholders

including landowners, community partners and government agencies to solicit feedback that is utilized in our decision-making process.

Determine mitigation and enhancement initiatives

within the project through working with stakeholders, local biologists and other environmental specialists.

During new pipeline construction, our priority is to avoid ecologically sensitive areas by seeking engineering solutions, such as rerouting around the area or boring under the resource. When land disturbance in these areas is unavoidable, we use a variety of recognized best management practices and techniques to mitigate our impacts throughout the pipeline's life cycle, including:

- **Developing our construction schedules** to avoid species migration, spawning, nesting and other activities
- **Restoring all disturbed areas** to pre-construction conditions by seeding/hydroseeding with appropriate seed mixes
- **Adhering to Weed Management Plans** to ensure previously disturbed areas remain free of noxious weeds

Conduct environmental impact assessments

including field studies to evaluate natural resources and land use.

Implement mitigation plan and assess outcomes

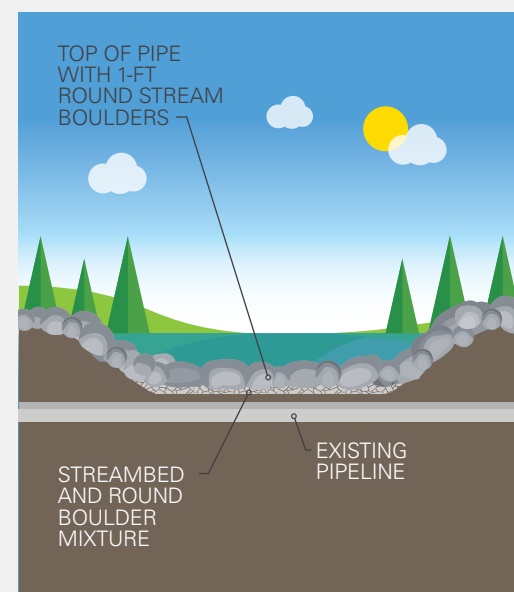
to drive an appropriate outcome of the plan.

- **Conducting post-construction surveys** to ensure sensitive areas have been appropriately restored
- **Monitoring wetland and waterway crossing sites** to confirm they are fully restored and functioning
- **Training employees and contractors** about maintaining pipeline rights of way in sensitive areas
- **Using signage** to indicate sensitive areas

In situations where restoration cannot be achieved, impacts to sensitive areas are offset in several ways, including purchasing mitigation credits through approved mitigation banking sources or using other mechanisms to provide perpetual protection to other similarly ecologically sensitive properties.

NEWBURY RIFFLE DESIGN

For several maintenance projects, MPLX has collaborated with governmental agencies to employ the leading-edge Newbury Riffle Design to enhance biodiversity habitat while providing pipeline protection at waterway crossings. Rock is placed within the streambed at a predetermined slope to reduce erosion and promote fish and aquatic organism passage. The installation of artificial riffles also increases habitat for some macroinvertebrates.



¹ International Finance Corporation's Performance Standards on Environmental and Social Sustainability include: Performance Standard 1 – Assessment and Management of Environmental and Social Risks and Impacts, Performance Standard 3 – Resource Efficiency and Pollution Prevention, Performance Standard 4 – Community Health, Safety, and Security, and Performance Standard 6 – Biodiversity Conservation and Sustainable Management of Living Natural Resources.

Protecting Endangered Species

Texas Hornshell Mussel

Due to the location and growth of our pipeline assets in the Permian Basin of West Texas, we have voluntarily entered into a conservation agreement with the U.S. Fish and Wildlife Service, the BLM, and the nonprofit conservation organization CEHMM to protect the endangered Texas Hornshell Mussel.

As a part of this agreement, we remain cognizant of the Texas Hornshell Mussel and take appropriate mitigation actions to protect their habitats throughout the life cycle of our assets. For example, we conduct boom deployment drills and exercises along the Pecos River to practice spill response tactics that best protect the species.

Brack's Fishhook and Brack Hardwall Cactus

In 2016, we engaged with the BLM and other agencies to determine the optimal route for a new pipeline project in northwest New Mexico. The route that was agreed upon impacted endangered Brack's Fishhook and Brack Hardwall cacti, as they were deemed unavoidable.

Partnering with biologists at San Juan College, we determined how to mitigate risks our construction project may have on the cacti. As a result, the cacti were transplanted using a nontraditional method while dormant to two other locations where they are known to exist. Biologists monitored the transplanted cacti for five years (2016-2020) and collected data on the health status, threats and trends of the transplants.

Data collected from monitoring the cacti will allow the BLM to establish management measures and policy to better protect this species from future threats and to determine if transplanting is a viable option for future vegetation disturbing activities.

Eastern Hellbender and Freshwater Mussels

During a recent pipeline maintenance project in northeast Ohio, we partnered with the Ohio Department of Natural Resources to protect and enhance habitat for listed threatened and endangered species.

We planted trees to provide a riparian buffer to Bull Creek and offset temporary impacts caused by the pipeline project on the state-listed scenic waterway. Freshwater mussels within the project footprint were moved upstream.

We also funded the installation of seven hellbender huts to create habitat for the Eastern hellbender. The huts were then placed in active restoration locations.



We own and maintain
1,300+
acres of WHC-certified habitat land
across **22 certified habitats**

PARTNERING TO PROTECT BIODIVERSITY

Wildlife Habitat Council

The Wildlife Habitat Council (WHC) is the only voluntary sustainability standard designed for broad-based biodiversity enhancement and conservation education activities on corporate landholdings. We actively participate in habitat certification and carry out community education, engagement programs and partnerships.

Pollinator Partnership

The Pollinator Partnership is the largest nonprofit organization dedicated exclusively to the health, protection and conservation of all pollinating animals. Our Robinson refinery was awarded the 2020 Monarch Sustainer of the Year by the Pollinator Partnership. The award recognizes a U.S. business that has shown exceptional leadership and action in providing habitat and awareness for monarchs along their migratory corridors. This is the second time that our Robinson refinery has been recognized. In total, there are seven sites where we conduct monarch-enhancing work through the Pollinator Partnership.

Spill Prevention

At MPC and MPLX, the safety of our employees, contractors, communities and the environment is our top priority. Our commitment to safety — including spill prevention — has remained as strong as ever during the pandemic. Acting quickly to put the proper precautions in place allowed our employees to continue the safe and reliable operations of our assets.

PIPELINE SPILL-PREVENTION TECHNOLOGY

Across MPLX we continue to make significant investments to improve pipeline in-line inspection and assessment technology programs. The combination of state-of-the-art pipeline inspection technology and advanced analysis techniques have been implemented to ensure the continued safety of the public and environment.

We are also analyzing and piloting ways to capture right-of-way imagery using cameras attached to aerial patrol aircraft. We have identified multiple opportunities to leverage this imagery in conjunction with computer visualization techniques to detect potential integrity threats such as geohazards, high-risk agricultural activities, new encroachments and spills.

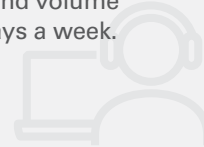
In 2020, Marathon Pipe Line LLC (MPL), a wholly owned subsidiary of MPLX, began developing computer vision models to detect potential integrity threats by harnessing artificial intelligence and machine learning. This technology can identify hard to detect leaks by leveraging the existing in-station operational cameras that monitor many pipeline facilities.

MPL has an expansive Unmanned Aircraft Systems (UAS) fleet with 45 UAS and 30 certified pilots. Currently, MPL uses UAS to capture project work, conduct assessments during emergency response, and complete inspections along our rights of way, water crossings and within facilities. In 2020, MPL utilized UAS and Geographic information system resources to calculate secondary containment volumes to increase accuracy in spill response planning.

LAND — Maintaining Pipeline Integrity

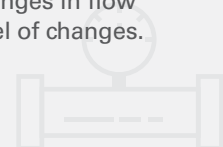
24/7 Pipeline Monitoring

Highly trained personnel monitor pipeline pressure, flow and volume 24 hours a day, seven days a week.



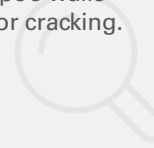
Leak Detection Technology

Sensors and gauges on pipelines detect drops in pressure or changes in flow rate and notify personnel of changes.



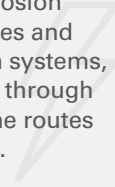
In-line Inspection (ILI) Tools

ILI tools travel through pipelines, scanning and measuring a pipe's walls for signs of dents, corrosion or cracking.



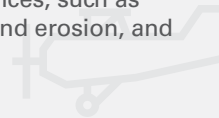
Corrosion Control

Protective coating that resists corrosion is applied to the outside of pipelines and storage tanks. Cathodic protection systems, which send small electric currents through the soil, are installed along pipeline routes to help prevent external corrosion.



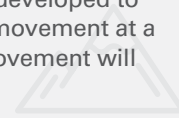
Above-Ground Inspections

Pipeline routes are visually inspected by air and/or by ground patrols to check for land disturbances, such as unauthorized digging and erosion, and pipeline leaks.



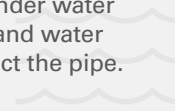
Geohazard Modeling

Geohazards such as landslides represent a significant threat to pipeline integrity. To combat this, models are developed to predict the amount of land movement at a location and whether the movement will impact the pipeline.



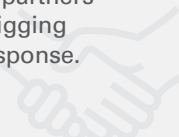
Waterway Crossing Inspections

High-resolution sonar equipment is used to inspect pipelines under water to determine how erosion and water channel changes may impact the pipe.



Pipeline Safety Engagement

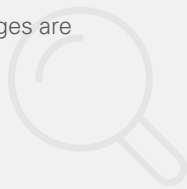
We educate landowners, first responders and community partners near our pipelines on safe digging practices and emergency response.



WATER — Proactive Management for Vessels and Barges

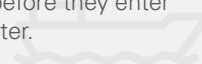
Vessel General Permit Inspections

Deck areas of vessels and barges are inspected daily.



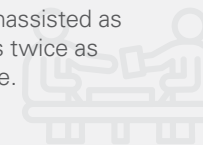
Deck Coaming and Drip Pan Containments

Approximately 98% of our barges are equipped with special drip pan containments that exceed regulatory requirements for barges. Drip pan containments capture spills before they enter rivers and other bodies of water.



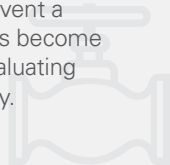
Training

We require our tankermen to assist on 10 loads and 10 discharges before conducting barge transfers unassisted as a credentialed mariner. That is twice as rigorous as regulations require.



Spill Valves

The majority of our barges are equipped with spill valves designed to prevent a catastrophic failure if a barge has become over-pressurized, and we are evaluating expanding use of this technology.



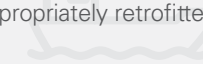
Spill Kit Inspections

Every six months we visually inspect all the contents of every spill kit to ensure they are intact and ready to use.



Double-Hulled Barges and Vessels

All of our barges used for river transport of raw materials and refined products are double-hulled. All new vessels entering or operating in U.S. waters are also double-hulled and existing vessels are either double-hulled or appropriately retrofitted.



U.S. COAST GUARD'S REAR ADMIRAL WILLIAM M. BENKERT MARINE ENVIRONMENTAL AWARD FOR EXCELLENCE

In 2020, MPLX's Terminal organization was named the silver winner of the U.S. Coast Guard's biennial Rear Admiral William M. Benkert Marine Environmental Award for Excellence, and our Marine organization was named an honorable mention. The award recognizes corporations and businesses involved in marine facility or vessel operations that have demonstrated sustained excellence and outstanding achievement in protecting the marine environment. It also encourages innovations in operations, pollution prevention and response, environmental outreach and partnerships and provides a means for award recipients to share their successful methods and techniques with others in the industry.



Emergency Preparedness

Robust preparedness is essential to ensuring we can respond effectively should an emergency event occur.

Consistently investing in our response capabilities equips us to mitigate and manage the impact in the event of an incident. We strive to perfect our initial response to an incident, which is critical to limiting the impacts on people and the environment.

All 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 to ensure proper execution in the event of an actual incident.

Several agencies review and approve our plans, including the EPA, the U.S. Coast Guard and the Pipeline and Hazardous Materials Safety Administration (PHMSA).

MPC's Emergency Preparedness Group (EPG) supports local teams by overseeing our response program and making sure we can respond rapidly and appropriately to an emergency incident anywhere we operate. The EPG staff coordinates with business components to share best practices and resources across the company.

For incidents that may require resources beyond those available at a local facility, our EPG maintains a Corporate Emergency Response Team (CERT). It comprises approximately 250 employees with response expertise and training in the Incident Command System (ICS), a globally recognized organizational structure designed to integrate resources across multiple agencies and organizations, should an emergency event occur.

Tiered Response System:

Tier 1	Incidents are directed by a local response team
Tier 2	Incidents are directed by a district/regional response team
Tier 3	Incidents are larger in scope and complexity and directed by the Corporate Emergency Response Team

Consistent Training and Improvement

To maintain readiness, our CERT members and other emergency response personnel participate in various exercises and work alongside federal, state and local responders, such as the EPA, the U.S. Coast Guard, state environmental protection or wildlife agencies and local emergency responders.

MPC and MPLX maintain an emergency response exercise program to test and continually improve our response capabilities:

- Our exercises follow the guidelines of the federal government's National Preparedness for Response Exercise Program (PREP), which meets the requirements of the Oil Pollution Act of 1990 and all federal, state, and local requirements.
- Exercises not only help prepare for emergency situations, but are also used to review, critique and improve our emergency response plans.
- We take a collaborative approach to emergency preparedness. In addition to training our own employees and contractors, we engage federal, state, local and tribal agencies, local fire departments and other first responders, and community members who have an interest in the design and development of our plans and exercises.

In 2020, we adjusted our approach for drills and exercises to align with protocols in place for the COVID-19 pandemic and completed all required exercises.



APPLYING TECHNOLOGY TO OIL SPILL RESPONSE

Due to remote working, social distancing and health precautions put in place due to COVID-19, MPC and MPLX worked with a variety of federal, state, local, and tribal agencies to find new and creative ways to use technology for oil spill response exercises.

We held multiple exercises via a "virtual command post." These exercises incorporated video feeds on field deployment activities using drone videos, FaceTime and smart helmet technology. They also fostered effective collaboration with participants, observers, stakeholders and evaluators to ensure responders maintain proficiency in their response planning and execution.

Waste

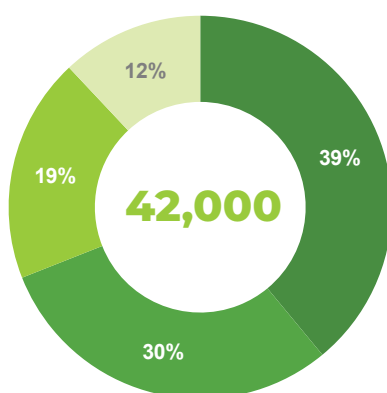
An important aspect of environmental stewardship is to actively manage waste. Our environmental engineers work with designated operations planners to minimize the waste we generate, and to recycle or beneficially reuse as much of the waste as possible.

We carefully contain and label drums, boxes, bins and roll-off containers of waste, send our waste materials to properly permitted waste disposal and recycling facilities, and verify their track record of compliance with state and federal waste regulations.

The volume of waste we generate in any given year varies significantly, depending on scheduled maintenance and remediation activities.

All potential nonhazardous and hazardous waste vendors must first be vetted and approved by our corporate environmental department. In selecting waste vendors, we use a structured process to determine environmental compliance and verify that our waste materials are disposed of legally and responsibly.

2020 Hazardous Waste Disposal
(tonnes)



- Recovery, including energy recovery
- Recycled
- Incineration
- Landfill

Energy Recovery

From Hazardous Waste to Cement

We partner with CIRCON Environmental to convert oil tank waste to cement. As refinery tanks are cleaned, the residual material is removed, placed in secure waste containers and trucked to a cement kiln for processing into waste-derived fuel. Since 2013, approximately 95,800 tonnes of waste from our refineries has become an alternative fuel source for the cement industry, avoiding approximately 230,000 tonnes of CO₂e emissions.

Historically, the primary fuel firing cement kilns has been coal. The waste-derived fuel blend from our waste reduces the amount of coal the cement manufacturer would otherwise need to use in its process. In addition, sand sediment, iron scale or other material in the fuel blend contributes to the cement product. By turning our wastes into fuel and cement, the cement manufacturers have reduced their coal use by over 60,000 tonnes. In 2020, more than 2 million gallons of waste-derived fuel was sent to cement kilns, which kept 5,650 tonnes of waste out of landfills, and avoided approximately 27,000 tonnes of CO₂e emissions.

Recycling

Catalyst Metals Reclamation

Catalysts are an important part of fuels manufacturing, facilitating a variety of critical chemical processes. In 2020, in lieu of landfill disposal, we delivered over 5,800 tonnes of spent catalyst to a recycler that 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 avoided nearly 50,100 metric tonnes of CO₂e emissions when compared to mining for virgin ore.

Prevented

37,000 tonnes

or 88% of hazardous waste from entering landfills.



Sharpening Our Focus on Water Conservation

MPC and MPLX strive to actively manage and monitor water use throughout all operations. Responsibly managing the use and sourcing of fresh water is especially critical in water-stressed regions in the U.S. We continually evaluate opportunities to reduce and manage our use of this shared resource, and to further our commitment to water conservation, we voluntarily set a companywide target to reduce freshwater withdrawal intensity by more than 20% by 2030 from 2016 levels.

In 2020, four of our refineries – Los Angeles, California; El Paso, Texas; Martinez, California; and Gallup, New Mexico – were in water-stressed regions, as defined by the Global Reporting Initiative and World Resources Institute assessment tools. By indefinitely idling our Gallup refinery in mid-2020, this decreased to three refineries. We also announced conversion of our Martinez refinery to a renewable fuels facility, which is expected to use 1 billion fewer gallons of water annually compared to its previous operations.

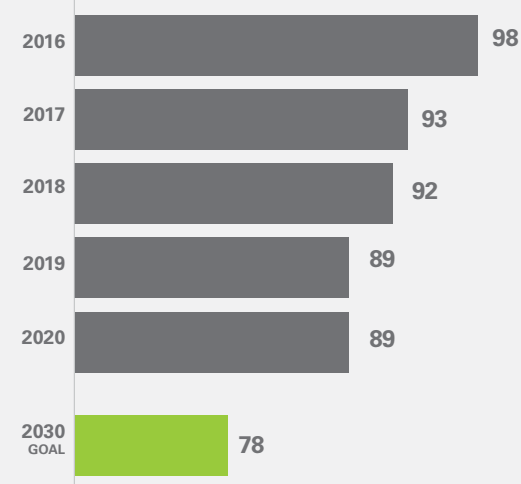


Freshwater Withdrawal Intensity Reduction Target



Target: Reduce freshwater withdrawal intensity by **20%** by 2030 from 2016 levels

Freshwater Withdrawal Intensity (megaliters/million BOE)



¹World Resources Institute Aqueduct Water Risk Atlas

Water Use within Our Operations

Water is essential to the refining process, and we continually evaluate ways to enable efficient reuse.

OUR RECENT WATER CONSERVATION EFFORTS IN THE REFINING PROCESS INCLUDE:

Reducing overall water usage

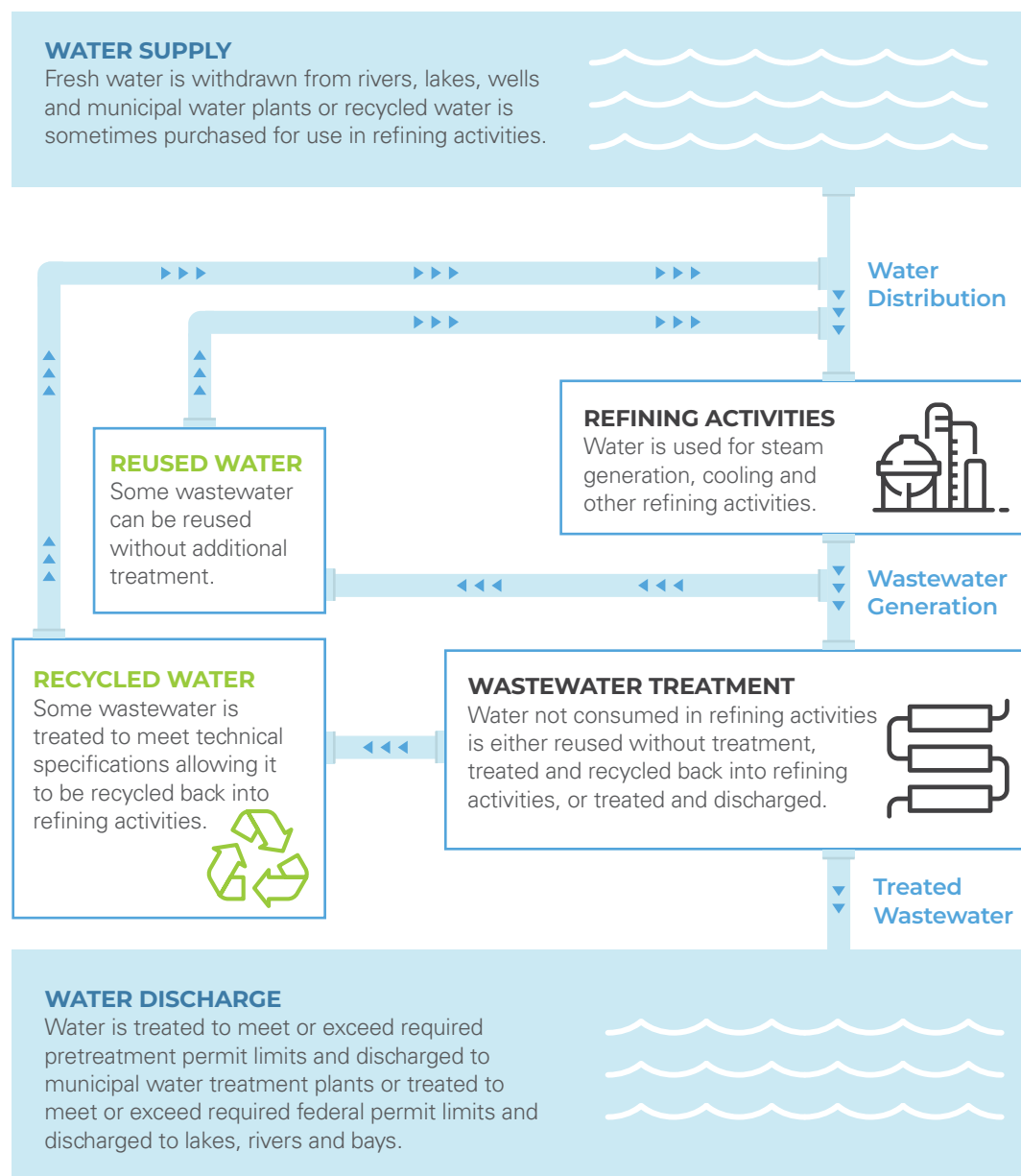
Evaluating water recycle and reuse options

Identifying opportunities for alternative water sourcing

MPLX gas processing plants are designed to use **little to no water** in their routine operations.

Nearly all plants have oil heaters that transfer heat to the process units instead of using steam. In addition, air-cooling units circulate hot product through air-cooled radiators instead of using water for cooling. These measures eliminate the need for cooling towers and steam boilers that rely on fresh water.

WATER USE IN THE REFINING PROCESS



Refining Focus on Water Program

Through a variety of innovations at our refineries, we have reduced our freshwater withdrawal intensity by over 9% since 2016 and have plans for additional reductions. In 2020, we adopted a formal, refinery-wide “Focus on Water” program to further assess water use, understand and mitigate water risks and identify opportunities to reduce water use. As a result, MPC refineries saved a combined 570 million gallons of fresh water. Included on this page are a few examples that contributed to this savings.

2020 FOCUS ON WATER PROGRAM RESULTS

570 million

gallons of fresh
water saved



Los Angeles refinery

SAVED
**159 MILLION
GALLONS**
OF FRESH WATER

by using a new anti-scaling dispersant to reduce cooling tower water use. The dispersant made it possible to increase the number of times water can be cycled back through the towers, which reduced the amount of fresh water required.



Detroit refinery

SAVED
**71 MILLION
GALLONS**
OF FRESH WATER

by continuing to use reverse osmosis (RO) units during warmer months of the year, which allowed the reuse of effluent from our wastewater treatment plant that otherwise would have been discharged to a municipal treatment plant. Plans are underway to invest in an RO system that is winterized and can be used throughout the entire year and allow for greater reuse of effluent.



Galveston Bay refinery

SAVED
**13.5 MILLION
GALLONS**
OF FRESH
WATER

by reducing the fresh water needed to operate the wet gas scrubber of a fluid catalytic cracking unit.



Robinson refinery

SAVED
**3.3 MILLION
GALLONS**
OF FRESH WATER

by recycling water it uses to treat flue gases from the fluid catalytic cracking unit and in turn reducing the demand of fresh water needed. Previously, all brine water produced from this system was disposed of as wastewater, and now a portion of that water is diverted back to the scrubber system for reuse.



The Catlettsburg refinery

was recognized by our water treatment product vendor, Solenis, with a

2020 SOLENIS SUSTAINABILITY AWARD

for decreasing water use in the operation of 18 anthracite filters that are part of the boiler feedwater pretreatment process. By reducing the backwash frequency of these filters, the refinery **saved 72.4 million gallons of fresh water.**

Air Quality and Emissions

Our commitment to improving air quality begins at our facilities and extends to the transportation fuels we produce.

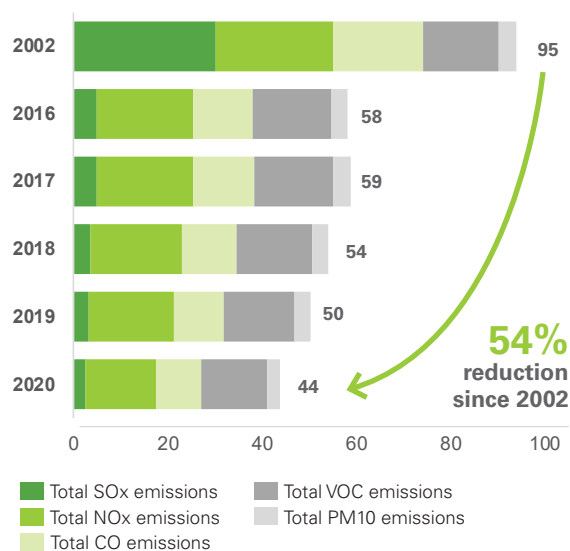
We have a comprehensive approach to improving air quality that targets lowering emissions of criteria pollutants by producing cleaner fuels, reducing gas flaring and minimizing fugitive emissions.

From 2002 through 2020,
we have achieved a

54%

reduction in criteria pollutant emissions
while the footprint of our refining and
natural gas assets expanded

Companywide Criteria Pollutant Emissions
(thousand tonnes)



HOW WE AIM TO IMPROVE AIR QUALITY

1. Producing Cleaner Fuels

Across the country, MPC refineries produce low-sulfur Tier 3 gasoline, a cleaner burning fuel that could reduce emissions by up to 80%¹ in vehicles of model year 2017 and newer, and up to 13%¹ in older models. This emission reduction ultimately improves air quality.



U.S. EPA Tier 3 compliant
low-sulfur gasoline

2. Reducing Gas Flaring

Avoidance of flaring is a key priority. Our refineries implement flare reduction programs that help prevent flaring while recovering gases and enabling effective combustion, if gases must be flared. In addition, flare gas recovery systems return gas to the refining process instead of flaring, reducing criteria pollutant emissions and GHG emissions.

45%

reduction in criteria pollutant emissions
from **refinery flares** since 2016

3. Minimizing Fugitive Emissions

Acoustic imaging cameras, also known as FLUKE® Imagers, are used to quickly and accurately locate air, gas and vacuum leaks in compressed air systems — even in noisy environments. These devices use extremely sensitive microphones to detect sounds both in the human hearing range and the ultrasonic range.

Initially they were used to identify air leaks at our compressor stations and gas plants. They are now being used to identify process leaks and methane leaks and may be used to confirm repairs are effective.

Optical imaging cameras, also known as FLIR cameras, are used across our operations to scan equipment for potential leak sources and make any necessary repairs.

28%

reduction in criteria pollutant
emissions from **MPLX operations**
since 2016

¹As defined by the U.S. EPA.

Innovate for the Future



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



Renewables and Emerging Technologies

Pictured: MPC Martinez facility in Contra Costa County, California

Renewables and Emerging Technologies

We are committed to meeting the world's growing energy needs while reducing carbon emissions intensity and pursuing lower carbon opportunities. Key objectives include:

- Increase the volume of renewable fuels we produce and market
- Seek ways to expand the use of renewable energy in our operations
- Innovate and deploy advanced technologies that reduce environmental impact while enhancing business performance

In 2020, we delivered approximately 2.1 billion gallons of renewable fuels to consumers, just over 300 million gallons of which we produced, including biodiesel and ethanol. This 2.1 billion gallon volume avoided nearly 9 million tonnes of customers' CO₂ transportation emissions. This was a slight decrease from 2019 due to lower blended volumes of renewables resulting from the COVID-19 pandemic. Over the next five years, MPC expects to increase renewable fuels production from just over 300 million gallons per year to nearly 1.2 billion gallons per year.

This will be achieved, in part, by converting petroleum refineries into renewable diesel facilities. In 2020, we completed the conversion of our 19,000 bpd Dickinson, North Dakota, refinery into a 12,000 bpd renewable diesel production facility. The Dickinson facility is currently the second largest renewable diesel production facility operating in the U.S. This is also a good example of using existing assets and workforce to support investment in an energy-diverse future.

We are also progressing the conversion of our 161,000 bpd Martinez, California, refinery into a 48,000 bpd renewable diesel production facility. When complete, the Martinez facility will be larger than any renewable diesel production facility operating in the U.S. today.



of 2021 planned growth
capital spend on **renewables**

Delivered approximately

2.1 billion

gallons of **renewable
fuels** to consumers in 2020

Avoided nearly

9 million

tonnes of customers' CO₂
transportations emissions in 2020



Dickinson Renewable Fuels

At our Dickinson refinery, we completed an approximately \$500 million project to convert to a 12,000 bpd renewable diesel facility.

This project also included the purchase and expansion of a rail loading and receiving terminal in Dickinson that receives soybean and corn oils for processing in the new plant. The terminal also ships Dickinson's renewable diesel product to California and other low carbon markets.

OPPORTUNITIES

To contribute further to meeting the increasing demand for low-carbon intensive fuels, we are continuing to explore projects at our Dickinson facility that have the potential to produce a net-zero fuel.



Renewable Electricity

Five 2.3 megawatt wind turbines are being installed on-site to provide 45% of the facility's electricity needs and are expected to be operational by late 2022.



Carbon Capture, Utilization and Sequestration (CCUS)

We are evaluating the installation of a system to capture the CO₂ produced from the on-site hydrogen plant and then pumping the CO₂ deep below the site where it will remain sequestered.



Regenerative Agriculture

MPC is working with farmers to identify and optimize practices that reduce greenhouse gas emissions and increase carbon storage in agricultural lands.



DICKINSON RENEWABLE DIESEL FACILITY

**~184
million**
gallons/year **capacity**

2nd
largest in the U.S.

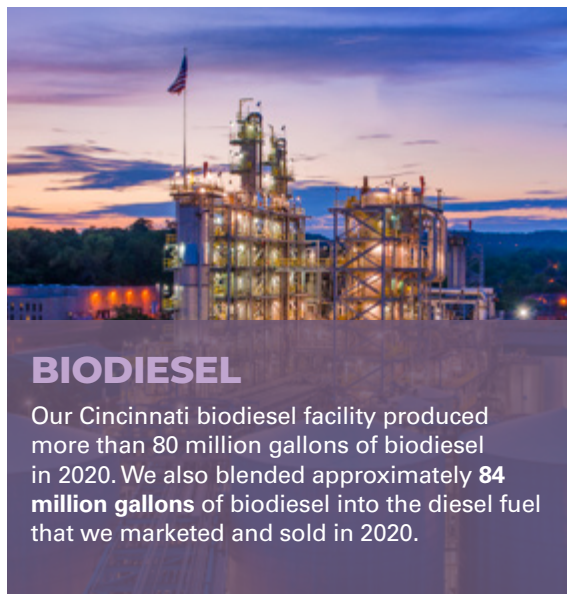


**Renewable
Diesel and
Naphtha**

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

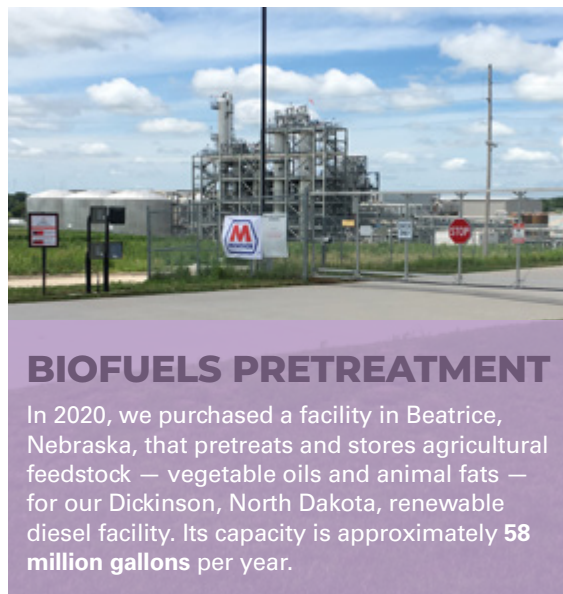
A Range of Renewable Fuels Solutions

Our current portfolio includes a diverse mix of renewable fuels.



BIODIESEL

Our Cincinnati biodiesel facility produced more than 80 million gallons of biodiesel in 2020. We also blended approximately **84 million gallons** of biodiesel into the diesel fuel that we marketed and sold in 2020.



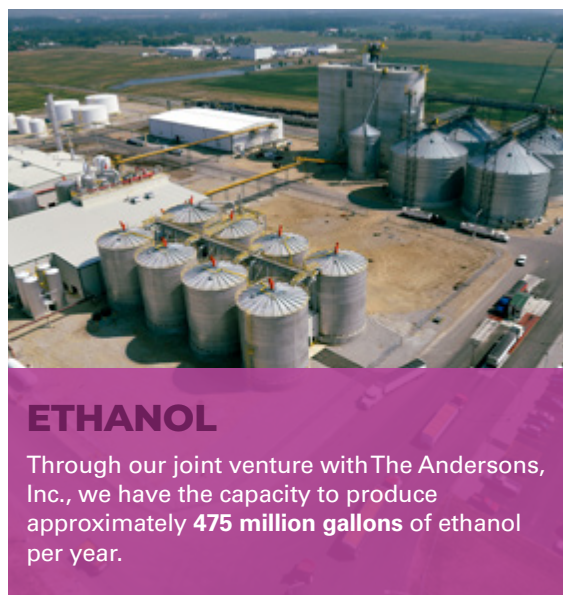
BIOFUELS PRETREATMENT

In 2020, we purchased a facility in Beatrice, Nebraska, that pretreats and stores agricultural feedstock — vegetable oils and animal fats — for our Dickinson, North Dakota, renewable diesel facility. Its capacity is approximately **58 million gallons** per year.



BIOCRUDE

We are working with Fulcrum BioEnergy to process approximately **800 bpd** of biocrude derived from municipal solid waste.



ETHANOL

Through our joint venture with The Andersons, Inc., we have the capacity to produce approximately **475 million gallons** of ethanol per year.

Carbon Capture, Utilization and Sequestration

MPC and MPLX support the continued development and use of carbon capture, utilization and sequestration (CCUS) technology as a strategy to reduce emissions of CO₂.

~421,000

tonnes of CO₂ captured from MPC operations and joint ventures in 2020



industrial
applications



food and
beverage industry

CCUS Site	Tonnes CO ₂ captured
Los Angeles, California, refinery	~111,000
Martinez, California, refinery	~22,000
Catcher Ranch, Oklahoma, gas plant	~46,000
Albion, Michigan, ethanol plant	~89,000
Greenville, Ohio, ethanol plant	~91,000
Denison, Iowa, ethanol plant	~62,000
Total CO₂ captured	~421,000

Martinez Renewable Fuels Project

We are repositioning our Martinez refinery to become Martinez Renewable Fuels, a renewable fuels manufacturing and terminal facility that will be able to produce approximately 730 million gallons of renewable fuels per year. The Martinez facility is expected to start producing renewable diesel and other renewable fuels in 2022, with a build to full capacity in 2023.

MPC estimates its conversion of the Martinez facility from petroleum refining to renewable fuels production will reduce the facility's manufacturing greenhouse gas emissions by 60%, total criteria pollutant emissions by 70% and water use by 1 billion gallons every year.

COMMERCIALIZING SUSTAINABLE AVIATION FUEL

MPC entered into a memorandum of understanding (MOU) with Southwest Airlines Co. in early 2021 that is intended to facilitate the development and production of commercialized sustainable aviation fuel (SAF). Air transport will continue to be one of the primary ways people build connections with each other and the world around them, and how goods are moved rapidly around the world. SAF is a way to lower the carbon intensity of these critical activities. MPC is currently providing renewable diesel to the California fuels market, and conversion of our Martinez refinery to renewable fuels production will enable us to augment that supply.

Our permitting process for the project includes discussion of possible future uses, and SAF is part of that discussion. Our MOU with Southwest includes a variety of possibilities toward increasing SAF production:

- Advocating for policies that would support affordable, reliable SAF availability
- Working together to advance research and development that would help commercialize and lower the carbon intensity of SAF
- Collaborating to raise public awareness of SAF's benefits to society

MARTINEZ RENEWABLE FUELS

Project benefits:

730
million

gallons/year **capacity**

1
billion

gallons **less water**
used annually¹



60%

reduction in
GHG emissions¹



70%

reduction in **criteria**
pollutant emissions¹

Additional information about the Martinez Renewable Fuels project can be found on its website, MarathonMartinezRenewables.com.

¹ Compared to Martinez previous operations as petroleum refinery



EVOLVING TECHNOLOGY

As technology is evolving, we are exploring partnerships and investments



**Sustainable
Aviation Fuel**



Waste to Fuels



**Renewable
Natural Gas**

Virent – Advanced Biofuels Research and Development

Virent, a wholly owned subsidiary of MPC, is creating alternatives to petroleum-based products by developing the chemicals and fuels the world demands using a wide range of naturally occurring, renewable resources.

\$200 million+

invested in research and development since 2002

22,000+

gallons of BioFormate produced for fuels testing

14+

tonnes of bio-paraxylene, 100% renewable polyester, produced for testing and market demonstrations

240+

patents issued or allowed, including 120 pending patent applications worldwide

Virent is working to commercialize its BioForming® Platform for converting biobased feedstocks into low-carbon renewable fuels and chemicals. Using a novel catalytic process, Virent's technology converts sugar from the carbohydrate portion of plants into fossil-free products.

Its BioForm® gasoline has been approved by the EPA for blending in gasoline up to 45%, while its BioForm® SAK (Synthesized Aromatic Kerosene) jet fuel has proven to reduce particulate emissions at altitude through flight testing and engine performance monitoring. It is also developing technology to produce hydrogen from sugar and glycerol.

In addition to fuels, the process produces bio-paraxylene, a key raw material for renewable polyester fibers and packaging, and bio-benzene, a raw material for renewable plastics, detergents and packaging.

Virent's process can utilize a variety of carbohydrate feedstocks, including agriculture and forestry wastes and plant sugars like corn, sugar cane and beet. This optionality allows for responsiveness to commodity markets, avoids competition with oilseed and protein feedstocks, and provides further opportunities for growth and deployment.

Virent also offers the potential for net-zero or carbon negative fuels and chemicals through value chain optimization utilizing wind, solar, carbon capture and sequestration, renewable natural gas, blue/green hydrogen and regenerative agriculture.

With well-demonstrated technology, a strong family of patents and technology packages ready for licensing, Virent is working towards commercial deployment.

Broad Market Potential for Bio-based Products



Ground transportation fuel



Aviation fuel



Fabric and textiles



Plastics



Packing and packaging



VIRENT

AT A GLANCE:

Delivering Growth and Value through BioForming® Deployment

- Converting sugars to aromatics to provide renewable gasoline and Synthetic Aromatic Kerosene jet fuel
- Providing technology licensing package for renewable fuels and chemicals
- Expanding sugar feedstock options

Embed Sustainability



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

- Engaged and Energized Workforce
- Embracing a Culture of Safety
- Engaging Our Stakeholders and Communities
- Advancing Supply Chain Sustainability
- Accountable and Transparent Governance

Pictured: United Way Days of Caring, Findlay, Ohio

Engaged and Energized Workforce

Our Commitment to Our People

Our people are our greatest asset and essential to the success of our business. We believe in providing a collaborative and safe work environment that embraces diversity, equity and inclusion (DE&I) to ensure we attract, develop and retain the best talent. Providing opportunities for long-term engagement and career growth are top priorities. We want our employees to feel that they are valued for their work and impact on the business, that we reward them fairly and competitively, and that we are invested in their development.

The COVID-19 pandemic challenged us in ways we could not have anticipated, including school closings, economic anxiety and concern over vulnerable family members and friends.

As we all navigated ongoing challenges, continuing to support our employees' well-being and enabling them to continue working safely remained top priorities.

We adopted flexible policies that empowered people to work remotely and address child care and school-at-home needs. To help employees avoid financial difficulty, we provided continuing pay for those affected directly by COVID-19. For example, if an employee was not able to work remotely and considered high risk based on U.S. Centers for Disease Control and Prevention (CDC) guidelines, the employee still received a paycheck. While the year proved to be difficult in many ways, our people remained focused on our core values, delivering results and caring for their families and one another.



Forbes Just 100
Named one of the top 100 companies leading in responsible capitalism



Human Rights Campaign Foundation Corporate Equality Index
100% Score - Recognized as a Best Place to Work for LGBTQ Equality

Our Core Values

Our values guide the way we treat each other and all our stakeholders. We believe how we do our work is just as important as what we do.

Safety and Environmental Stewardship



- Protect our people and the world we all share
- Aim for an accident-free, incident-free workplace
- Commit to safe and environmentally responsible operations

Integrity



- Set high expectations for ourselves and build trust in each other, with business partners, shareholders and the communities where we work and live
- Say what we're going to do — and then do it

Respect



- Treat everyone professionally, with courtesy, honesty and trust
- Consider how other people's ideas can improve what we do and encourage everyone to openly share their perspectives, ideas and concerns

Inclusion



- Value diversity in culture, background, perspective and experiences
- 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

Collaboration



- Actively partner with our stakeholders to find and create shared value, making a positive difference together
- Foster constructive, solution-oriented dialogues
- Genuinely listen to one another and seek out perspectives different from our own

Promoting Diversity, Equity and Inclusion

As we challenge ourselves to be a leader in sustainable energy, a diverse workforce is essential to our success. We want to attract, develop and retain the best talent and create a diverse and inclusive work environment. We strive to always go further in creating a culture of belonging where everyone has the sense that they are appreciated, respected and can bring their true selves to work.

To support our commitment to creating a more diverse workforce and to hold ourselves accountable, we set company goals designed to drive our strategy to increase representation of women, Black, Indigenous and people of color in our workforce. In April 2021, we were the first U.S. independent downstream energy company to link executive and employee compensation to DE&I metrics.

Guided by a dedicated DE&I team and supported by leadership companywide, our strategy focuses on:

- Building awareness of the benefits of diverse perspectives
- Increasing representation across the organization
- Ensuring success through commitment to ongoing programs that support diverse employees
- Applying measurement and accountability to foster an inclusive work environment with opportunities for all employees to grow and develop

“

As a company, MPC will continue to stand against racism, intolerance, discrimination, hatred and violence of any kind, and we will stand with all of our employees, customers and communities who face inequity and injustice. MPC's culture is defined by each and every one of us, and our actions must demonstrate our core values of respect and inclusion.

– Mike Hennigan, MPC CEO

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DIVERSITY, EQUITY AND INCLUSION STRATEGY

DIVERSITY FOCUS AREAS:



Building Awareness

- Education and DE&I workshops
- Employee DE&I panels
- Community outreach
- Employee Network Groups



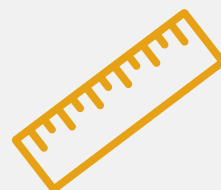
Increasing Representation

- Balanced slates
- Focused external recruitment
- Black, Indigenous & People of Color (BIPOC) and female campus initiatives to recruit interns
- Employee Network Groups



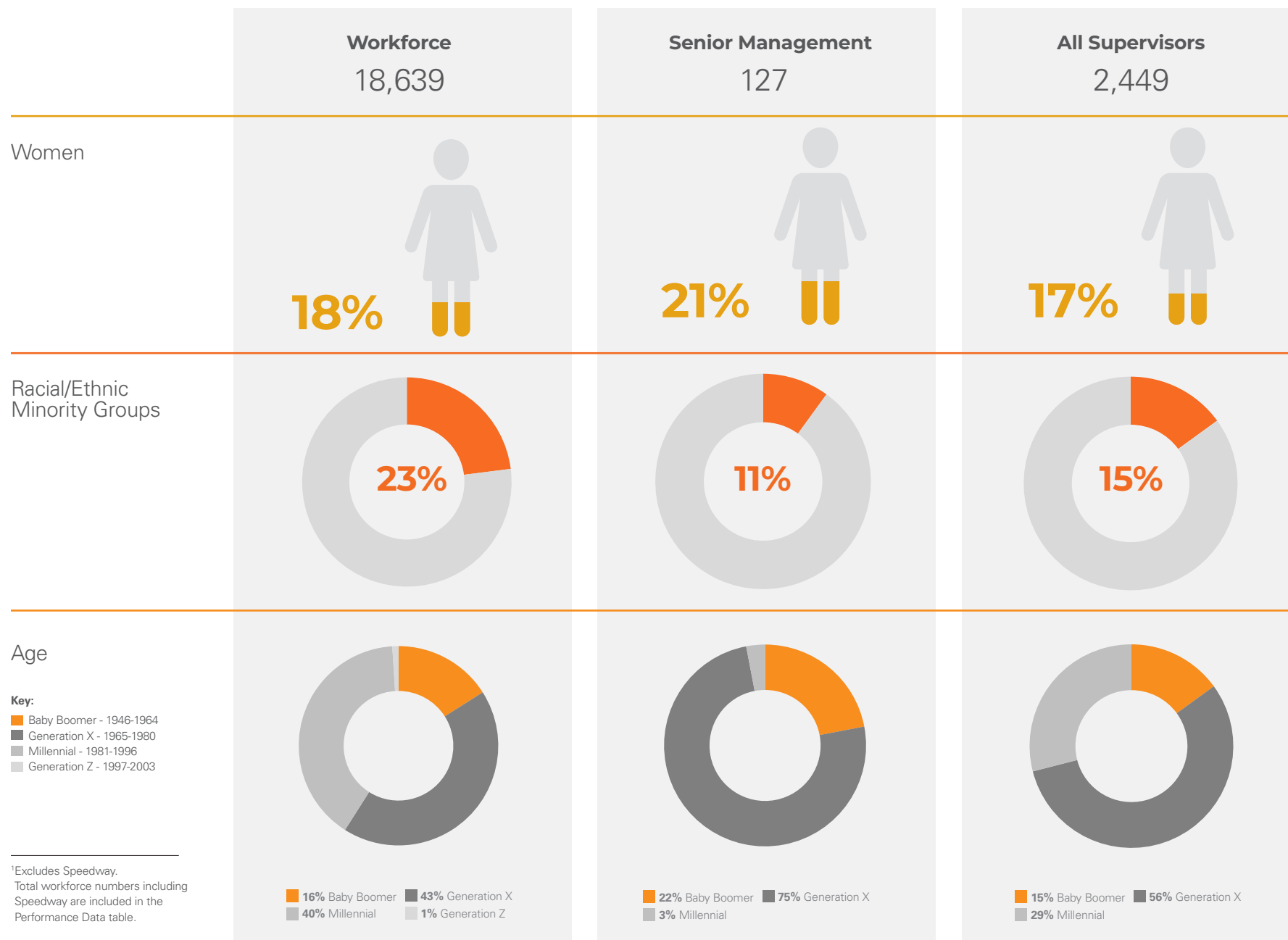
Ensuring Success

- Career development
- Mentoring
- DE&I assessments and interventions
- Employee Network Groups



Measurement and Accountability

- Scoring and performance
- Succession planning
- Participation in federal compliance programs
- Bonus metric

2020 Workforce Metrics¹

Employee Networks

Employee Networks provide forums for discussion, development and connection to our communities and play an important role in our DE&I strategy. Open to all employees, these groups support a diverse workforce and inclusive environment. They also connect colleagues from across the company and provide opportunities for personal and professional development, networking and community involvement.

All networks encourage ally membership. Nearly 2,700 employees participated in our Employee Networks in 2020. The groups, which focus on six populations — Asian, Black, Hispanic, Veterans, Women and LGBTQ+ — are led by employees with guidance and active involvement from executive leadership sponsors.

62
chapters across
the company

~2,700
employees
participating in groups

40%
increase in employees
participating since 2019

Importance of the Employee Networks to our Employees



Lisa Lim
Human Resources Partner
Carson, California

The Asian Employee Network (HOPE)

“Being a part of the Asian Employee Network has created a sense of community among our Asian American employees both locally and companywide. I’m encouraged by the range of experiences within our network and how willing people are to share and learn from each other. It’s inspiring to see individuals so proud of their cultural backgrounds and share how it helped shape who they are. HOPE creates a space that highlights our diverse cultures, while also nurturing an environment to discuss the challenges that Asian Americans face.”



Gilbert Garcia
Audio Visual Technician,
San Antonio, Texas

The LGBTQ+ Employee Network (PRIDE)

“Being a leader in PRIDE has allowed me to be a part of a cross-functional team dedicated to ensuring that all employees feel safe and comfortable to bring their whole selves to work, regardless of sexual orientation. We strive to attract top talent, engage our community and foster loyalty among our employees and customers.”



Tasia Lane
Analyst, Findlay, Ohio

The Black Employee Network (PROMISE)

“When I was asked to be a part of the PROMISE leadership team, I thought it would be a great opportunity to collaborate with others and influence change to promote understanding and acceptance at MPC. I want to see more people who look like me throughout all levels of the company. I want minorities to feel empowered when they come to work and have the opportunity to connect with others just like themselves. PROMISE is a community, a safe space for our members to share experiences and uplift one another.”



Lisa Bielamowicz
Product Control Manager
El Paso, Texas

The Women’s Employee Network (ARISE)

“ARISE is a dynamic forum of both women and men who continually provide support to one another through engaging dialogue and thought-provoking discussion. We are always looking for opportunities to help employees find their voice and become stronger overall. ARISE has helped me advocate for others and myself in a more confident manner.”



Steve Hernandez
Graphic Services Coordinator
San Antonio, Texas

The Hispanic Employee Network (FAMILIA)

“Being a member of the Hispanic Employee Network has allowed me to grow personally. It’s given me a unique opportunity to make a difference in the world and a positive impact within our community. As a member, I can network with other professionals and allies to educate and expand our Hispanic Employee Network.”



Greg Zerr
Analyst, Findlay, Ohio

The Veterans Employee Network (HONOR)

“As a U.S. Marine Corps veteran, HONOR has given me an opportunity to get to know other veteran employees across the company and educate our workforce and community on the unique challenges veterans face. It’s a pleasure to work for a company that values diversity and cares about our people.”

SIX WOMEN TRANSPORT DRIVERS ARE ON THE MOVE IN SOUTHERN CALIFORNIA

Hear How They Got Started in the Industry and Why they Enjoy Working for MPC



Tammy Boliou
Long Beach, California

Tammy has driven fuel tanker trucks throughout her entire 36-year career, safely driving over 1.7 million miles and spending 21 of those years as a driver trainer. "Growing up I always had an affinity for trucks, and as a girl dreamed of myself behind the wheel," she said. "By 1985 I was blessed with the opportunity to start driving for a major oil company. Having been inspired by two pioneering women of our industry, I was fully aware that women were few. Knowing this I worked hard to establish myself as a competent and efficient driver. I hope to see more women consider a transport career and enjoy positive working conditions, great benefits and the security offered by MPC and the industry. Overall the years have taught me to accept change, rise to the challenge and look forward to a good retirement!"



Wendy B. Johnson
South Gate, California

Wendy B. Johnson, Transport Manager for MPLX's Transport and Rail Fleet Operations, started her career in the trucking industry in 1996. From an early age, she had always loved trucks and knew she would one day find herself behind the big wheel. Today, she supervises a team of 55 at the Vinvale terminal. The trucking industry is a predominantly male field. The U.S. Bureau of Labor Statistics reported in 2020 less than 8% of truck drivers were women. "It amazes me that there are not more women in the industry because it is a great way to make a living," Wendy said. "When most people hear of truck driving, they think of long hours over the road, but as transport drivers at MPC, we safely deliver to regional customers, so our schedules are flexible, allowing us to spend time with our families."



Angelica Arenas
South Gate, California

Angelica is a driver trainer at MPC and has been in the field for more than 20 years. "Ever since I was a little girl, I was fascinated by trucks," Angelica said. "By my late teen years, I wanted to get into the field, but my mother said no because she thought it was a job for men only. Later in life, I decided to go for it, and I'm very happy I did. I love truck driving and training others in the company. I always tell people, don't be afraid to ask questions. It's the only way you learn. For women who aspire to drive trucks, I'd say if your heart's in it – then you can do it. I also tell them that the benefits are great, and as a mom to five children, transport driving really does offer a good work-life balance."



Rhoda Pratt
South Gate, California

Inspired by her late father who was also a truck driver, Rhoda has been a transport driver for more than 17 years. When asked by other women how they can get involved with trucking, Rhoda tells them, "It's important to find a good school that is going to properly train you and that you can do it if you put your mind to it." Rhoda tells people not to be intimidated by the truck's size. "I drive my truck better than my car," she said. "You sit very high up in a truck, so you're able to see everything. You'll go through some challenging periods, but in the end, it's all worth it. I love my job and enjoy meeting new people at every station I visit."



Danielle Pearl
Long Beach, California

Danielle has been a fuel truck driver for more than seven years. "I had always wanted to drive something big, but never thought it would be a fuel truck," Danielle said. "As a woman driver, I've had to prove myself to those who said I couldn't be successful in this field. I'm very determined to go above and beyond to get the job done and enjoy meeting people each day. Driving is not just for men, and more women should get involved. My male peers seem to have found a new respect for women drivers."



Amber Bensema
Bloomington, California

Amber has been driving trucks for more than five years. "I started out driving buses and loved it," she said. "From there, I wanted to try something different and got involved with trucking. Not only are the benefits excellent, but the culture at MPC is the best. For anyone who wants to join the industry, I tell them it's a process. Sometimes, you have to try different areas of truck driving to get where you want to be. There's a lot of career opportunities in trucking. I see people move up the chain in this industry all the time, so there's room for career growth."

Compensation and Benefits

Compensation and benefits are some of the most direct ways to acknowledge and encourage quality performance and meaningful contributions from our employees. To ensure we are offering competitive pay packages, we annually benchmark compensation, including base salaries and incentive targets.

All employees participate in our annual incentive programs, which represent a critical component of our compensation. These programs provide rewards for MPC's achievements against preset financial and operational goals, encouraging performance and a sense of employee ownership.

Workforce Impacts of the Pandemic

Amid continued declines in fuel consumption due to the COVID-19 pandemic and the indefinite idling of our refineries in Martinez, California and Gallup, New Mexico, MPC was faced with the need to reduce its workforce by approximately 12% (excluding Speedway employees) in the fall of 2020. For those employees whose jobs were impacted by the staffing reduction, we provided severance pay and the extension of certain benefits.

Severance payments included not only an allowance linked to their rate of pay and tenure with the company, but also a prorated payment equivalent to the employees' target bonuses for the year.

Impacted employees who were enrolled in MPC's medical, dental and/or vision plans had the option to continue their coverage for up to six months at active employee rates, followed by 18 months at COBRA rates. Our Employee Assistance Plan (EAP) was available to impacted employees at no cost for three years. The EAP includes services such as professional counseling for a variety of issues, referrals for child/elder care and access to a host of educational resources.

We also provided out-placement assistance, including job search and resume writing provided by a third party, or up to \$1,500 to pay for education expenses and/or program fees for certification and licensing programs that enhance current or develop new skills.

Key Benefits



HEALTH BENEFITS

Medical, dental, vision, wellness benefits



EDUCATIONAL REIMBURSEMENT

Financial assistance of approved degree programs, certifications and licensing



PAID PARENTAL LEAVE

Eight weeks for birthing parent, four weeks for nonbirthing parent



RELOCATION

Relocation assistance to help make the transition as easy as possible



SCHOLARS PROGRAM

Competitive college scholarships for children of employees



VACATION

Up to six weeks paid time off



RETIREMENT BENEFITS

Pension, savings



GIVING AND VOLUNTEERISM

Company match for qualified employee giving and volunteer hours



FAMILY LEAVE

Unpaid time off for certain family and medical reasons



EMPLOYEE ASSISTANCE PROGRAM

Free counseling, identity protection and more



COMPETITIVE BENEFIT PROGRAMS

Annual bonus program



ADOPTION ASSISTANCE

Helping pay for adoptions

Health and Wellness

Our Corporate Health Services team operates 21 clinics across our locations with medical professionals providing on-site access to health services. We also provide a nurse hotline, available 24/7/365, on-site amenities such as fitness and wellness resources, and virtual and on-site educational sessions on a variety of health topics delivered by a team of dedicated health and wellness professionals.

ENGAGING AND ENERGIZING EMPLOYEES DURING THE PANDEMIC

In 2020 we initiated several resources to support our people in managing challenges associated with the pandemic:

- **Mental Health Workshops** – Decreasing stigma on mental health and coping with the stresses of the pandemic
- **Healthy Living Webinars** – Maintaining good health, especially when working from home
- **Well-Being Challenges** – Taking care of yourself in the age of COVID-19



Well ALL Ways Program

Our Well ALL Ways program is part of our ongoing wellness program. Its mission is to inspire and empower our employees and their families to thrive in all areas of well-being. That became particularly important during the pandemic as employees sought out ways to maintain the health of their families, even as they dealt with stress from working at home.

The Well ALL Ways program places a significant emphasis on preventive health — with a financial incentive. For example, eligible employees who complete an online health assessment and a preventive physical exam with an approved health care provider can earn a \$400 payroll stipend.

9,000+

employees took
online health assessments

~10,000

preventive physicals completed by
employees and spouses



Leadership Development and Employee Training

Growing and developing leaders, from new supervisors to senior leaders, is fundamental to our success. We have several programs in place designed to meet the needs of people at different levels and stages of their careers. A key focus is equipping leaders for success in current roles, while also providing opportunities to develop in ways that enable them to grow professionally.

We believe networking and access to our executive team are key leadership success factors. MPC incorporates these opportunities into our programs, including virtual environments, to promote meaningful dialogue between small groups and executive leadership.

In 2020, there were 558 participants in 24 MPC development programs. During the year, we also conducted a pilot for a new nomination-based Aspiring Leader program designed for employees who desire to become leaders of people. We anticipate more than 60 people will complete this program in 2021 — completely virtual and conducted over several months.

A Progression of Leadership Programs

Aspiring Leader Experience

Leadership Skills for Extraordinary Safety

Marathon Supervisor Development Program

Commercial Skills

Marathon Strategic Leadership Program

Marathon Leadership Experience

Marathon Advanced Leadership Program

Executive Development

Performance Accountability

Our performance accountability process is designed to help employees focus on the core aspects of their job, clearly understand expectations and balance accomplishments with how they were achieved.

Supervisors and employees establish up to five performance commitments annually. At the end of the performance cycle, employees receive a scorecard that summarizes results, including assessing performance in terms of values, knowledge and competencies.

Each year, nearly 100% of our salaried exempt and salaried nonexempt employees participate in our annual performance accountability process.



Building Partnerships with Universities

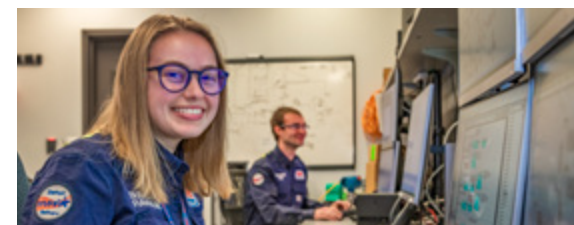
University partnerships are an important component of MPC's campus recruiting strategy, creating additional opportunities for the company to engage with premier talent and more effectively build our early career pipeline.

One of the ways MPC demonstrates its commitment to science, technology, engineering and mathematics education is by supporting Bridge Programs at partner universities. The Bridge Programs:

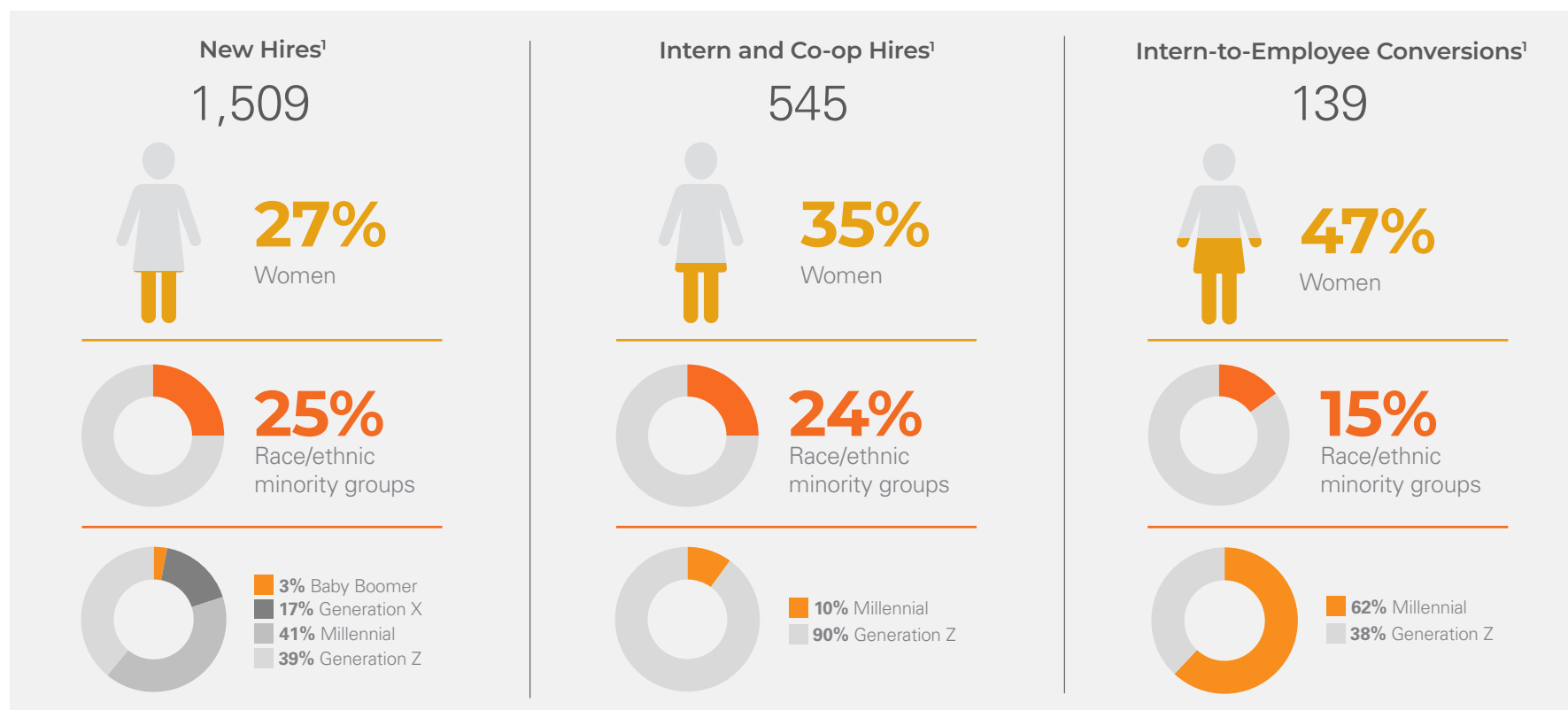
- Prepare selected students from underrepresented groups to make a successful transition from high school to a university

- Give students the opportunity to adjust to the academic, personal and social challenges they may encounter
- Promote a structured environment conducive to building the fundamental skills to successfully complete a baccalaureate degree

While 2020 was a challenging year for these programs, some of our university partners were able to continue leveraging a virtual platform. At the remaining schools, the funds MPC provided were redirected to students' areas of greatest need due to COVID-19, while maintaining focus on recruiting and retention of underrepresented minority students.



We adapted our intern and co-op program to the pandemic environment and welcomed over 500 students to MPC in 2020.



¹ Excludes Speedway.

Respecting Human Rights

MPC's and MPLX's Policy on Human Rights, Including the Rights of Indigenous People 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 bargain collectively, and promoting diversity and inclusion. We prohibit harassment and discrimination and the use of coerced, forced and child labor. Click [here](#) to view our Policy on Human Rights, Including the Rights of Indigenous People.

We Support

- Goals and principles of the United Nations Universal Declaration of Human Rights
- Voluntary Principles on Security and Human Rights

Our Commitments

- Policy on Human Rights, Including the Rights of Indigenous People
- Code of Business Conduct
- Supplier Code of Conduct
- Our Core Values



HUMAN RIGHTS FOCUS AREAS

Labor Rights

- Provide a safe and healthy work environment
- Provide competitive wage, benefits and work hours in accordance with legal requirements
- Prohibit all forms of harassment and discrimination
- Prohibit use of child labor
- Prohibit use or support of forced or coerced labor
- Respect right to freedom of association and collective bargaining

Security

- Ensure private security departments respect human rights

Communities

- Commit to the fair treatment and meaningful involvement of all people, including Indigenous people
- Maintain a positive role in the communities where we operate
- Strive to ensure that communities and stakeholders are informed and engaged with respect to our project activities

Suppliers and Business Partners

- Require our suppliers, contractors and other business partners to likewise respect human rights and remediate human rights impacts in their respective activities

Embracing a Culture of Safety

The safety of our employees, contractors, business partners, customers and the community is our number-one priority. Consistent with our core values, we approach our work with the highest commitment to safety and a focus on care for the environment. To continually reinforce these values and drive strong performance, we use a combination of best practice-based operational standards, documented work processes, proven management systems and behavior-based programs designed to train, protect and empower our employees and contractors.

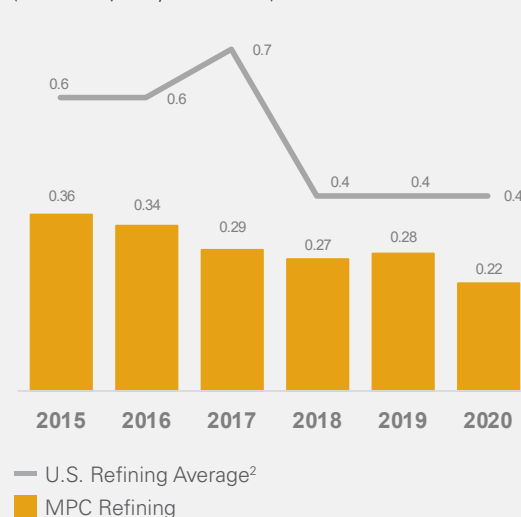
Personal Safety

It is critical that everyone at MPC and MPLX is empowered to create and maintain a safe and healthy workplace. Employees and contractors are held to the same high standards and expectations, and are authorized to stop any work if they feel at risk. Part of our effort to promote safety includes our OEMS, a management system based on the principles of RC14001® and the Plan-Do-Check-Act continual improvement cycle. Together, these components provide us with a comprehensive approach to managing risks and preventing incidents, illnesses and fatalities. The personal safety standards that we implement comply with and in many cases exceed local, state and federal regulations. Employees and contractors are trained on these standards, and audits and quality assurance visits are frequently conducted to assess effectiveness. Strict adherence to processes and procedures that help avoid safety and environmental incidents is integral to our safety culture.

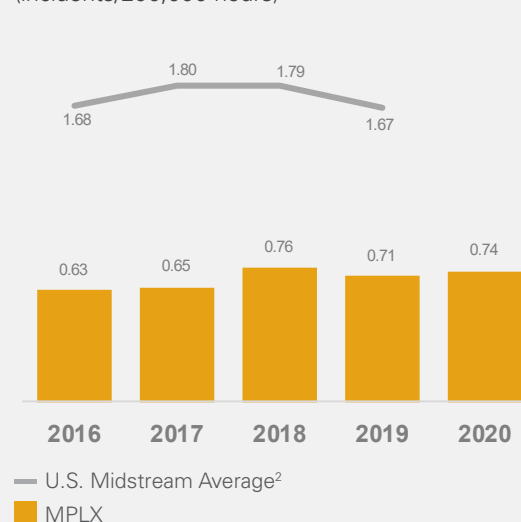
¹ Data includes both employees and contractors. To present comparable year over year data, this chart does not include COVID-19 cases that MPC conservatively recorded as work-related. Including these cases, MPC's 2020 Refining OSHA Recordable Rate is 0.32 and MPLX's 2020 OSHA Recordable Rate is 0.82.

² Based on the U.S. Bureau of Labor Statistics data.

MPC Refining OSHA Recordable Rate¹
(incidents/200,000 hours)



MPLX OSHA Recordable Rate¹
(incidents/200,000 hours)



OSHA'S VOLUNTARY PROTECTION PROGRAM

OSHA's Voluntary Protection Program (VPP) is a cooperative program between regulators and industry that recognizes and helps drive outstanding safety performance at all levels of an organization. To achieve VPP status, applicants must complete a rigorous application and inspection process by OSHA. There are three levels of designation: Demonstration, Merit and Star, which is the highest level.

33

**VPP Star
certifications earned**

COVERING

44

MPC and MPLX facilities



Promoting the Health and Safety of Our Workforce During a Global Pandemic



From the start of the global COVID-19 pandemic, our people came together to ensure that the health and safety of our employees and contractors, including essential personnel, remained our top priority.

MPC activated its CERT to consistently and aggressively respond to needs across our company. In coordination with MPC's Health Services Department, and in alignment with recommendations from the CDC, CERT implemented MPC's wide-ranging pandemic response plan. This included distributing to employees and contractors the personal protective equipment (PPE) from our central inventory when the pandemic began — respirators, surgical masks and

nitrile gloves — as well as acquiring and distributing additional PPE and sanitation materials. CERT worked with the Information Technology (IT) department to increase capabilities for noncritical employees to work remotely, developed safe work and travel policies, and implemented a number of protective measures to ensure the health of employees and contractors as essential personnel 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 include:

- Enhancing our **cleaning and disinfection measures** at all of our locations, focusing on high touch points, common areas, and workstations.
- Providing appropriate **PPE**.
- Implementing **social-distancing procedures** for our essential employees (federally designated Essential Critical Infrastructure Workers) and work-from-home requirements, where practicable.
- Requiring daily **COVID-19 self-screening** per the CDC screening checklist before entering the workplace.
- Providing **educational resources** including videos, emails and signage around facilities.
- 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** — fielding over **12,000 calls**.
- Managing a **COVID-19 email address** — MPC medical professionals responded to over **15,000 emails** from employees.
- Providing oversight to local COVID-19 initiatives and case management with **Health Services teams** positioned at each of our refineries.
- Establishing a **strong communication network** with key contractors so information could be shared, and providing an avenue for the contractors to report positive cases to MPC.
- Establishing a **phased-in approach** for return to offices based on state and local requirements and restrictions, as well as a sustained local reduction in COVID-19 case positivity rates.
- Facilitating a robust campaign educating employees on the **vaccines**, directly administering or scheduling over 2,400 people across the company through local public health or closed points of distribution.

Safety From the Top Down and Bottom Up

From our operations leadership to our frontline workers, everyone is expected to hold themselves and others accountable to our safety standards. This is communicated through a robust onboarding process for both employees and contractors, and reinforced through recurrent trainings and safety discussions. We ensure that employees and contractors alike know that if they feel a task is being performed unsafely, they each have the authority to stop the work in progress until the safety concern is addressed, no matter how big or small the job may be. Our field leadership team members emphasize our focus on safety by personally conducting regular safety meetings with employees to ensure two-way communication and continuous learning.

Contractor Safety

Our strong commitment to safety is reflected in the rigorous process undertaken to select service providers. As part of a comprehensive evaluation process, potential partners must:

- Prove an exemplary record of safety.
- Demonstrate a strong health and safety culture for their employees and concern for our community.
- Practice sound environmental stewardship.
- Utilize innovative technology and tools to improve safety and performance.
- Meet all federal and state regulations.
- Receive training for their specific roles.

To support this disciplined selection process, prospective contractors' health and safety programs and safety data, including total recordable incident rates and federal OSHA logs, are vetted by an independent third party before we will sign contracts with them.

After a job is awarded, and prior to starting work at any of our facilities, all contractors and subcontractors conducting what MPC and MPLX define 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 an MPC employee with input from the contractor.

Promoting a collaborative approach to safety, 12 of our nested contractors have become VPP certified at our sites with us serving as sponsors.

830,000+

hours of health and safety
training for MPC employees



Driving Improved Safety Performance

Behavior-Based Safety Programs

Our behavior-based safety (BBS) programs empower employees and contractors to enhance safety practices in the workplace through peer observations. These programs manage 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 we have found that BBS programs drive strong safety performance.

BBS Programs:

- Help identify the reasons for operational choices made.
- Reinforce safe behaviors.
- Identify safer ways to perform tasks.
- Start conversations that lead to safer decisions before injury can occur.

Incident Reporting and Tracking

All employees and contractors have the right to report an incident or injury without reprisal. We utilize a company-wide software system to actively report, track and identify trends in incidents and injuries. The system enables tracking and documentation of incident investigations and corrective actions, with management oversight until an incident is closed, if needed.



TRANSPORTATION SAFETY

Throughout the pandemic MPC's transport drivers have continued to safely deliver essential transportation fuels to gas stations and other locations around the country. In 2020, our transport drivers drove more than 57 million miles with an at-fault accident rate of 0.3 per million miles.

Transport Safe Driving Programs – Keeping the Roads Safe

- **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 Observation Program** – Driver observation program composed of observed and unobserved 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.

57 million+

miles driven by MPC transport
drivers in 2020

Process Safety

Keeping our Operations Safe

By applying good practice in the design and implementation of the equipment and systems we use and keeping safety risks and their mitigation at the forefront, we strive to continually improve the safety of our operations. Through our OEMS and adherence to Process Safety Management (PSM), we work to reduce the number and severity of process safety events. This is achieved by maintaining equipment integrity, managing change, and enforcing safe work practices and operating procedures.

MPC and MPLX maintain standards for PSM that emphasize managing hazards by using technologies, procedures and management practices. We also maintain a rigorous auditing schedule to ensure facilities are assessed across all 14¹ process safety elements, which are listed below.

Process Safety Elements¹

1. Employee Participation
2. Process Safety Information
3. Process Hazard Analysis
4. Operating Procedures
5. Hot Work Permit
6. Contractors
7. Training
8. Pre-Start-up Safety Review
9. Mechanical Integrity
10. Management of Change
11. Emergency Preparedness and Response
12. Trade Secrets
13. Incident Investigation
14. Compliance Audits

Our program provides a framework and systematic approach to:

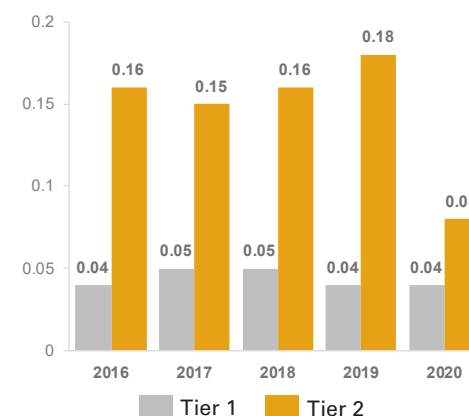
- Identify and address environmental, health and safety risks.
- Prevent or mitigate an incident's consequences and assure ongoing operations.
- Continuously learn to improve the safety and integrity of our assets.

Focusing on Continual Improvement

On our journey of continual improvement, we have and continue to implement tools and programs, such as Learning Teams and the American Fuel & Petrochemical Manufacturers (AFPM) Walk the Line program.

- Learning Teams are sessions in which the team and facilitator discuss a specific task or an unplanned event to better understand the context of how the work is done.
- AFPM's Walk the Line program reinforces the fundamental responsibility of employees to know with 100% certainty where a material will flow between any two points in a process unit. If they do not, they need to "walk the line." Walk the Line upholds a culture of consistency in which we can reduce errors while supporting operators and frontline supervisors in operational discipline and readiness.

Refining Process Safety Event² (PSE) Rate
(events/200,000 hours)



2020 SAFETY AUDIT HIGHLIGHT: SMART HELMETS

In 2020, due to the COVID-19 pandemic, widespread travel restrictions and our focus on maintaining the health and safety of our employees, we conducted some safety audits virtually by utilizing a "smart" helmet.

A smart helmet is a remote collaboration wearable device equipped with a camera and audio capabilities, allowing auditors to communicate with and see what the field representative sees.

Just as we would do for in-person audits, when issues were identified, they were documented in our incident tracking tool and the findings were tracked to closure.



¹ We also comply with the state of California's additional requirements.

² PSEs are unplanned or uncontrolled releases of a material from a process. The PSE rate is the count of events per 200,000 hours of work. Tier 1 PSEs are the most serious type. PSE rates for Andeavor Refining have been included in this chart, including years prior to our strategic combination.

Industry Safety Awards

AFPM Safety Awards

Eight MPC refineries were recognized by AFPM for outstanding occupational and process safety programs and performance in 2020.

AFPM DISTINGUISHED SAFETY AWARD: **ROBINSON REFINERY**

The Distinguished Safety Award is awarded to the top sites with outstanding safety performance, program innovation and safety leadership.



AFPM ELITE GOLD AWARD: **DETROIT REFINERY**

The Elite Gold Award recognizes facilities with safety performances in the top 1% of the industry, and that have demonstrated superior and consistent safety performance, program innovation and leadership.



AFPM ELITE SILVER AWARD: **ANACORTES REFINERY AND THE DICKINSON RENEWABLE FUELS FACILITY**

The Elite Silver Award recognizes those sites that have attained top industry safety performance for the application year and demonstrated excellent program innovation and leadership over time.



API'S DISTINGUISHED PIPELINE SAFETY AWARD



In 2020, MPLX's wholly owned subsidiary, Marathon Pipe Line LLC, was awarded the American Petroleum Institute (API) 2019 Distinguished Pipeline Safety Award. The recognition was based on selection by pipeline industry peers, and acknowledged the company for fostering a culture of safety, sharing and implementing best practices, and actively participating in and contributing to API policy and technical work.



AFPM SAFETY ACHIEVEMENT AWARD: **CANTON REFINERY, EL PASO REFINERY, MANDAN REFINERY AND SALT LAKE CITY REFINERY**

The Safety Achievement Award recognizes those sites that have attained above average safety performance.

Engaging Our Stakeholders and Communities

Our Approach to Stakeholder Engagement

Our approach to stakeholder engagement is guided by our commitment to creating shared value with our many stakeholders including the communities where we operate. Building strong relationships and maintaining continuous dialogue within communities allows us to maximize our positive impacts. We are focused on understanding our stakeholders' goals, perspectives and concerns, and incorporating stakeholder feedback into our business strategies. Our engagement programs ensure that we establish regular communications with our local stakeholders, assess community impacts and provide opportunities for stakeholders to share any concerns. We will continue to evolve and expand our approach to stakeholder engagement to meet the changing needs of our company and our stakeholders.

COMMUNITY HOTLINES

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 hotlines allow neighbors and communities to call any time 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

Stakeholder Engagement Plans aid in identifying key stakeholders and issues, along with strategies to build and maintain relationships and open dialogue, surface concerns and develop solutions, and forge partnerships, where appropriate. We believe it is important to coordinate across the organization to understand and address our stakeholder needs and interests and drive progress toward our shared goals. Stakeholder Engagement Plans are in place for 100% of our refineries and owned and operated renewable fuels facilities. Our stakeholder engagement process:

- Helps MPC leaders and teams engage stakeholders in open dialogue to understand needs and concerns, define priorities, identify resources and pursue shared goals.
- Guides facilities to engage key stakeholders and audiences in ways that are tailored to their circumstances.
- Recognizes that each community where we operate is unique.

Stakeholder Engagement Planning



**Define Priorities,
Impacts and Issues**



**Identify Stakeholders
and Resources**



**Purposeful
Communication**



**Sustainable
Investment**



**Deliberate
Engagement**



**Track and Measure
Engagements**



Shared Value

Building Relationships and Earning Trust

Through its industry-leading public engagement program, MPLX's wholly owned subsidiary, Marathon Pipe Line LLC (MPL), engages and educates landowners, community members, schools and public officials on pipeline safety and infrastructure.

Earning trust is at the heart of MPL's mission. In 2020, MPL enhanced its public engagement program, Earning Your Trust, by implementing a data-driven strategy to reduce third-party damage and near-miss incidents as MPL continues to "drive to zero" spills. Using data analytics, MPL focused on specific locations to provide relevant informational and educational messages for landowners.

Staying Engaged

Throughout 2020, MPL reached out to partner schools, nursing homes and hospitals near MPL-operated pipelines to promote consistent engagement throughout the pandemic and understand their needs and where MPL could help. MPL also engaged the public by sending emails and holding focused social media campaigns. Virtual Emergency Preparedness meetings were held with 26 schools in proximity to MPL pipelines to promote pipeline safety.

Listening to Landowners

MPL leverages data to focus outreach efforts where they are needed most. In the first three months of 2020, MPL held seven events that reached more than 400 landowners in locations where pipelines are located in agricultural areas. When in-person events were canceled early in the year, MPL adapted its engagement approach to include communications via phone, email and social media. MPL also completed a five-year landowner mail campaign along the pipeline to build relationships, earn trust and increase pipeline safety knowledge. **Survey results showed that the mail campaign was effective — 98% of landowners were aware of MPL-operated pipelines located on their property, compared to 69% in 2016.**

LEVERAGING TECHNOLOGY

In 2020, the Marathon Pipeline Finder app for smartphones underwent significant design and functionality upgrades to serve as a valuable safety resource to stakeholders near MPL-operated pipelines. The app allows users to:

- Easily locate MPL-operated pipelines.
- Learn what products are transported.
- Call 811 and review steps for safe digging.
- Call MPL's emergency phone number and access emergency response basics.
- Find and contact local MPL representatives.
- Report pipeline concerns.



WORKING WITH OUR NEIGHBORS

Community Advisory Panels

Our refineries convene independent groups of local stakeholders through Community Advisory Panels (CAPs) to formalize engagement with local community leaders and residents. When COVID-19 brought about some challenges with traditional face-to-face engagement, CAPs turned to virtual options to continue meeting during 2020.

CAPs meet on a regular basis and consist of representatives from the community, which may include teachers, retirees, business owners, elected officials, residents who live near our facilities, community organizers and other interested parties. CAPs provide a forum for:

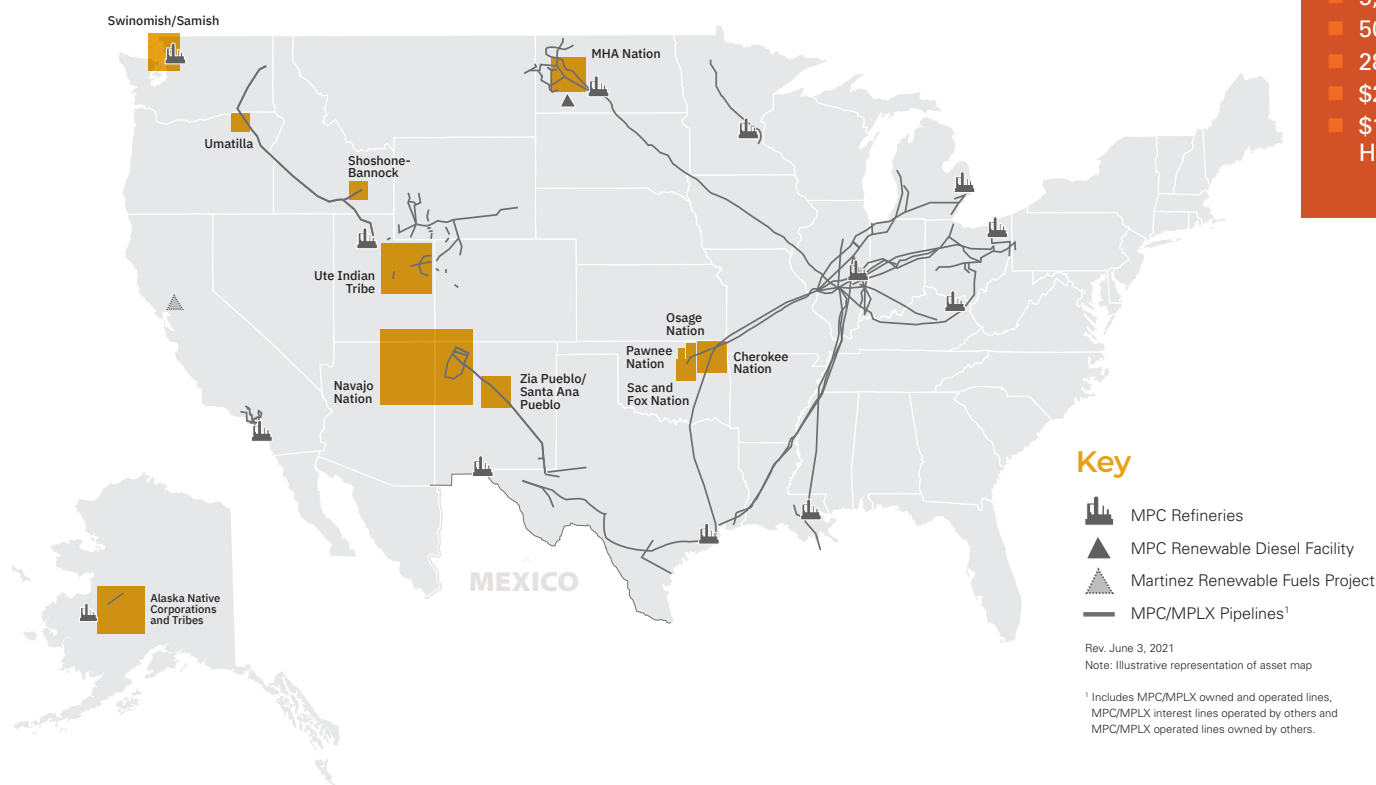
- Listening and gaining insight into activities, issues, concerns and opportunities within our communities.
- Updates from refinery leadership on safety and environmental performance, significant projects and other key activities within the refinery.
- Identifying ways to further enhance our engagement where we live and work.



Engaging with Indigenous Communities

MPC and MPLX are committed to building strong relationships with Indigenous communities near our facilities and respecting the diversity of culture and unique history, traditions and beliefs of each tribe. We strive to listen to and address the specific priorities, goals and concerns of the Indigenous communities near our projects and operations through engagement and collaboration. Indigenous perspectives on safety and the preservation of cultural and environmental resources inform our planning and execution of projects and operational activities. To strengthen this commitment, we continue to provide cultural awareness education programs to key stakeholders across our company to improve understanding of Indigenous history, traditions, rights, cultures and governance.

The MPC Tribal Affairs Working Group drives proactive approaches to building sustained relationships with the 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. While the COVID-19 pandemic made it more difficult to have face-to-face engagement in 2020, we were still able to partner with several organizations and strengthen relationships with Indigenous stakeholders.



NAVAJO NATION COVID-19 SUPPORT

Regular meetings were held with the Navajo Nation government officials throughout 2020 to identify needs and priorities as the community was hit hard with COVID-19. The Navajo Nation Attorney General shared the challenges they were experiencing from COVID-19 at one of our MPC Tribal Affairs Working Group meetings, and multiple meetings were held with Navajo Nation Vice President Myron Lizer. MPC was able to provide the community with supplies and funding, including:

- 20,000 N95 respirator masks
- 5,000 surgical masks
- 5,000 basic cloth face coverings
- 500 thermometers
- 28 5-gallon buckets of hand sanitizer
- \$25,000 to Navajo Nation Medical System
- \$130,000 to Manuelito Navajo Children's Home

Tribal Partners

- Alaska Native Corporations and Tribes
- Cherokee Nation
- MHA Nation
- Navajo Nation
- Osage Nation
- Pawnee Nation
- Sac and Fox Nation
- Samish Indian Nation
- Santa Ana Pueblo
- Shoshone-Bannock
- Swinomish
- Umatilla
- Ute Indian Tribe
- Zia Pueblo

Community Investment

Our community investment strategy is centered around strengthening communities and helping make people's lives better. MPC and MPLX focus on contributions and partnerships with charitable organizations that reflect the priorities of our community stakeholders, align with our core values, amplify our sustainability strategy and enable us to make a positive, measurable impact.

Through company supported programs such as MPC Gives, employees are encouraged to be engaged with and involved in their communities.

In 2020, we initiated an evaluation of our community investment focus areas, including a community needs assessment across our operating locations. As a result of this process and with input from internal and external stakeholders, we are updating our investment priorities to focus on these areas:



This approach will foster continued support of certain key partnerships in areas like STEM and public safety, while also enabling us to focus on an expanded set of community needs and innovative new partnerships in the areas of workforce development and sustainability.

2020 COMMUNITY INVESTMENT BY THE NUMBERS

\$17 million+

invested in communities by MPC, MPLX and our employees

\$3.3 million



donated to COVID-19
relief efforts

\$4.6 million



employee donations
to nonprofits

900+



nonprofits supported

44,000+



employee volunteer
hours

120+



first responder
grants issued

~900



employee volunteer
projects

Charitable Contributions and Grants

Our partnerships and investments across the areas where we live and work are designed to help advance, progress and strengthen communities.

Education and Workforce Readiness Support

SOUTH BAY CENTER FOR COUNSELING, ENERGY PATHWAY PROGRAM

**LOS ANGELES COUNTY,
CALIFORNIA**

Over the last 40 years, South Bay Center for Counseling (SBCC) has developed a full range of innovative programs that reach more than 10,000 families across Los Angeles County, including our operation areas in Wilmington, Carson and Long Beach. SBCC's Energy Pathway Program is a 16-month, industry-tailored training initiative that prepares participants for careers as Process Operators. Over the 10-year history of the program, Energy Pathway has achieved an impressive 72% placement rate and an 85% employment retention rate for jobs in petroleum and process technology-related fields. Many graduates have gone on to become Process Operators at MPC.

Enhancing First Responder Capabilities

SPOKANE COUNTY FIRE DISTRICT 10

**SPOKANE COUNTY,
WASHINGTON**

A contribution to the Spokane County Fire District 10 helped the district purchase medical equipment, a LUCAS Chest Compression device, for one of their rescue trucks. Just four days after receiving it, the device was used on a patient for 45 minutes of continuous auto CPR. The patient recovered, was released from the hospital and was able to enjoy Thanksgiving with their family.

Advancing Conservation

GALVESTON BAY FOUNDATION

**GALVESTON COUNTY,
TEXAS**

MPC has developed a partnership with the Galveston Bay Foundation to help preserve and enhance Galveston Bay as a healthy and productive place for generations to come. In order to help protect the eroding shoreline, MPC partners with the Galveston Bay Foundation to plant cord grasses at the 2,300-acre Texas City Prairie Preserve. Additionally, MPC helps fund the Galveston Bay Foundation's Eco Explorers program in area schools. Eco Explorers is a combination of classroom STEM workshops and field experiences, providing students and teachers a two-pronged environmental education experience during the school year.

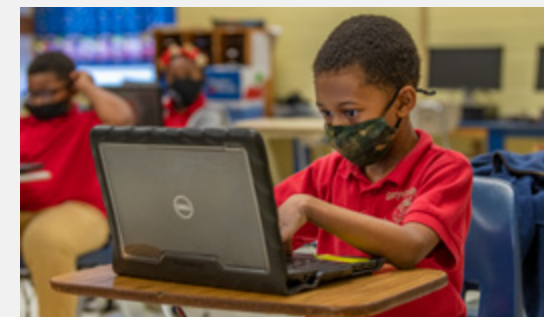
SUPPORT FOR COMMUNITIES DURING COVID-19

In 2020, amid the global COVID-19 pandemic, we sought opportunities to support communities in areas of critical need and where we could make the most impact. During the year, we donated \$3.3 million to COVID-19 relief efforts including:

- American Red Cross disaster and crisis relief initiatives.
- Remote learning initiatives, including laptops, WiFi hotspots, and programming support.
- Priority needs, including shelter, food and mental health counseling.
- PPE to first responders.

We also contributed more than 500,000 N95 respirator masks to 45 health care organizations in the U.S. and approximately 350,000 pieces of PPE in Mexico.

Our people also stepped up in a big way in 2020, contributing more than \$4 million to communities, so we increased our matching gifts to eligible non-profits to further support their efforts.



Through a \$120,000 contribution for the purchase of laptops, students at Garyville-Mt. Airy Math and Science Magnet School and the St. John STEM Magnet High School Program were able to experience expanded learning opportunities at home and in the classroom.

Employee Giving and Volunteer Program

Part of being a valued member of the community is being there when people need you the most. One way we enable support to our communities is through MPC Gives, an employee-directed, open giving program that encourages employees to support the organizations and community efforts that are important to *them*. We support their efforts by matching employee donations and funding volunteer incentive awards, and in 2020 we increased our company match to employee donations from 60% to 100%.

Our employees responded by finding creative ways to contribute and strengthen our communities. They helped make people's lives a little better during one of the most challenging periods of most of our lives.



Throughout 2020, our employees gave of their time and money to support local communities during the pandemic.

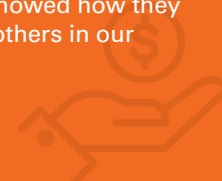
FIGHTING YOUTH HUNGER THROUGH EMPLOYEE DONATION MATCH

**Stark County Hunger Task Force
Stark County, Ohio**

Like people throughout the country, residents of Stark County, Ohio, keenly felt the impact of the pandemic. In a typical month, the Stark County Hunger Task Force (SCHTF) provides about 33,000 meals to members of the community. With the number of people served reaching new records in 2020, the organization needed to find a way to keep its pantry stocked.

Support came in the form of donations from employees at our Canton, Ohio, refinery, who raised more than \$36,000 — which grew to \$73,000 after MPC matched the funds. The funds supported the SCHTF backpack program, which provides non-perishable food items for students on weekends, when the school-provided meals are not available. The backpacks include servings for two breakfasts, two lunches and two dinners, and are designed so the students, usually third to fifth graders, can prepare these meals on their own.

What made this campaign a success was the imagination and motivation of our employees who initiated and led the effort. Our Canton employees showed how they truly care about helping others in our community.



Political Contributions and Advocacy

We believe participating in the political process is an essential part of advancing the meaningful exchange of information and views on issues that affect our company and our stakeholders.

MPC takes part in the political process in several ways, including lobbying, contributing to grassroots activity, advocacy for specific issues, participating in trade associations, supporting an active employee political action committee, and, where lawful, directly supporting political candidates and ballot issues.

All these activities are subject to oversight by our Board of Directors, general counsel and senior vice president of Government Affairs, and senior management.

For comprehensive reporting on these activities, please visit our [website](#).

Climate Policy

As it relates to climate change, our public policy engagement is guided by our commitment to sustainability, including lowering the carbon intensity of our operations and products, expanding renewable fuels and technologies, conserving natural resources, engaging stakeholders and contributing in our communities. We support policies that complement this strategy and the investments that continue to transform our company.

Trade Associations

Taking part in trade associations is an important part of our role as an active member of our industry and the business communities in which we operate.

Trade associations provide important ways for us to engage in the development of industry standards and practices, and to share advances in science and engineering that inform the best practices of the future.

When our trade associations engage on climate policy, we encourage them to take positions that are consistent with our commitment to sustainability.

Because we do not control the position of any trade association, many times they don't endorse our preferred positions. Our company may take positions that are different from — or extend beyond the scope of — trade association platforms.

We are encouraged by several of our major trade associations' recent positions on climate change, and we believe our industry has an opportunity to coalesce around the development and delivery of solutions.

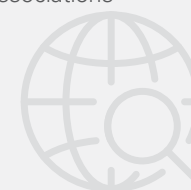
Each year, our senior management reviews trade association memberships and assesses the effectiveness of the respective groups and the utility of MPC's new or continued participation.



FOR MORE INFORMATION ON OUR:

- Engagement with trade associations
- Contributions
- Issue advocacy

Please visit our [website](#).



Advancing Supply Chain Sustainability

We prioritize integrating ESG within supply chain strategy and extend our commitment to sustainability across the value chain.

Selecting Trusted Partners

MPC and MPLX have relationships with thousands of suppliers that enable us to operate in a safe and efficient manner. We depend on these suppliers to provide goods and services, such as materials, equipment, construction, labor, transportation, office products and services, benefits administration, and accounting, legal and engineering services. We value our relationships with suppliers and rely on them not only to provide essential goods and services, but also to align with our core values and drive for superior results.

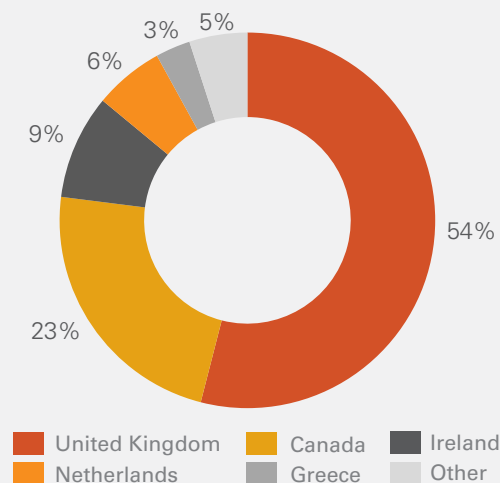
MPC and MPLX strive to partner with suppliers that maintain high safety and ethical standards; demonstrate a commitment to sustainability; offer innovative, value-added capabilities; understand our business; embrace quality procedures and processes; and offer superior technology, cost or service advantages.

We manage risk, in part, through the selection of suppliers. A robust procurement process evaluates potential suppliers against key safety metrics and programs. Between the use of predominantly U.S. domestic suppliers bound by U.S. laws and regulations and focused vetting of international suppliers, our strategic procurement decisions reduce supply chain risks related to personnel safety, environmental issues and human rights.

No significant changes to our Tier 1 supply chain occurred in 2020 that would cause or contribute to significant economic, environmental or social impacts.

¹ Excludes crude/feedstock purchases

2020 Non-U.S. Spend by Country¹
(non-U.S. spend %)



Supplier Code of Conduct

In 2020, we implemented a standalone, tailored Supplier Code of Conduct. As a precondition to participating in our standard bidding process, potential suppliers must first acknowledge and accept the Supplier Code of Conduct.

The Supplier Code of Conduct emphasizes expectations of suppliers in the areas of:

- Environmental, health, safety and security
- Legal and ethical compliance
- Conflict minerals
- Conflicts of interest
- Human rights
- Diversity
- Compliance assurance
- Reporting unethical or illegal acts

Suppliers must also comply with our Code of Business Conduct.

Compliance Assurance

In 2020, we partnered with EcoVadis, a worldwide provider of business sustainability ratings, intelligence and performance improvement tools for global supply chains, to initiate supplier ESG performance assessments and evaluate compliance with the Supplier Code of Conduct. Utilizing a risk-based approach, this will initially focus on Tier 1 Critical Suppliers.

Additionally, we make available a toll-free Integrity Helpline and encourage all suppliers to anonymously report suspected unethical or illegal acts.

All supply chain employees received Supplier Code of Conduct training in 2020. They also receive annual training on sustainable procurement topics, including compliance and ethics, human rights, diversity and environmental issues. This empowers employees to be educated, aware and proactive to minimize risk through supplier selection, contracting and compliance assurance.

8,000+

hours of supply chain sustainability-related training

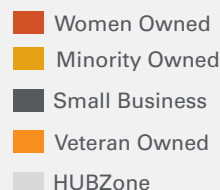
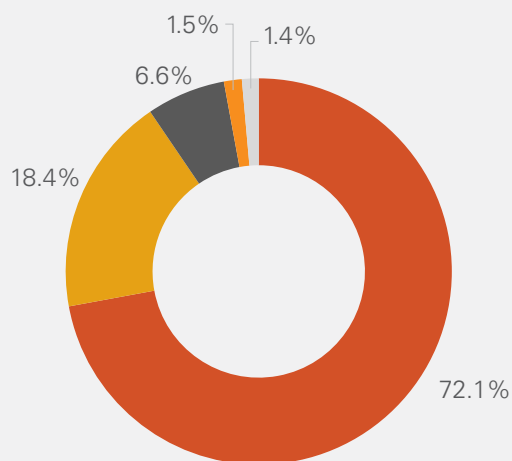
Implemented in 2020, our **SUPPLIER CODE OF CONDUCT** extends our commitment to sustainability across the value chain.

Fostering a Diverse Supply Chain

MPC and MPLX take a proactive approach to supplier diversity with the goal of increasing the number of small and diverse supply chain partners. We aim to do this by providing potentially underrepresented companies an equal opportunity to become a trusted business partner and encouraging participation in our Supplier Diversity Program.

\$277 million

Total Supplier Diversity
Program Spend for 2020



Each year, we select a class of small or diverse companies that are not currently MPC or MPLX suppliers to participate in a seven-month Leadership, Engagement and Development (LEAD) mentorship program. We use this program to help each participant strengthen their general business and industry knowledge, as well as to provide networking and business opportunities.

In 2021, we look forward to expanding and redeveloping this offering into a web-based program that will allow for additional participants and integrate the participation of MPC and MPLX subject matter experts. Using follow-up surveys and input from suppliers, we plan to continuously adjust program content to provide the most value for participants.

Supplier Recognition Awards

Our annual Supplier Recognition Awards program is designed to recognize refining and MPLX suppliers for outstanding performance in alignment with our core values. A total of **10 awards** were given in the following categories:

- Sustainability Partnership
- Innovative Partnership
- Exceptional Partnership
- Diverse Supplier of the Year
- Supplier of the Year

THE BENEFITS OF DIVERSITY

Partnering with small and diverse businesses, including local suppliers, attracts qualified providers of goods and services, stimulates local economic development, drives innovation and creates lasting social benefits in the communities where we live and work.

CHAPMAN CORPORATION RECEIVES THE DIVERSE SUPPLIER OF THE YEAR AWARD IN 2020 FOR THE SECOND YEAR IN A ROW.

Chapman Corporation is a woman-owned business headquartered in Washington, Pennsylvania. Chapman has been providing customers with highly specialized civil, mechanical and electrical construction services for over 60 years, with a focus on midstream gas processing facilities.

Chapman's thorough attention and responsiveness to bid requirements has enabled them to offer value engineering, constructability and sequencing opportunities to reduce costs and improve schedules.

They have also successfully managed challenging environments, collaborated effectively and achieved project targets.

As a result, Chapman has been a long-term partner and contributed to our operating success by constructing 31 MPLX cryogenic gas plants in the Marcellus Shale area.



Accountable and Transparent Governance

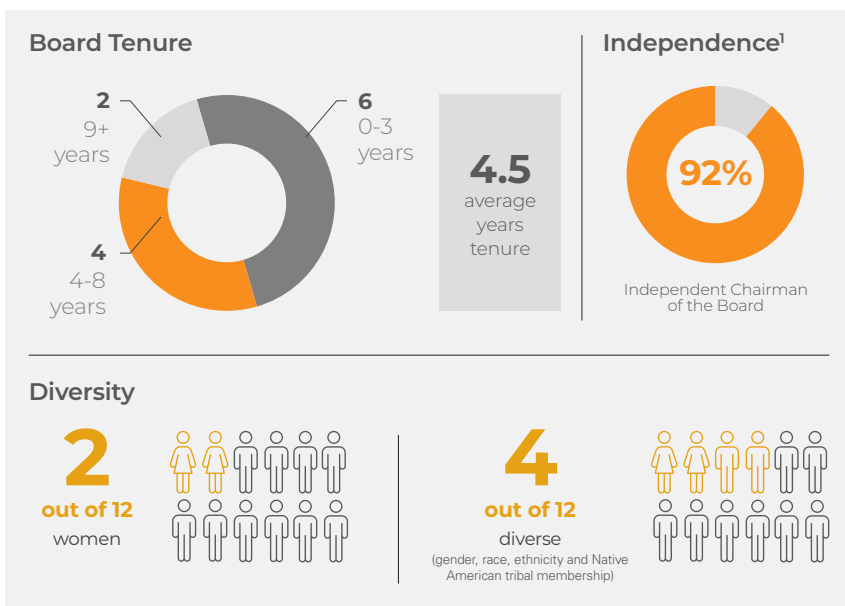
Our Board of Directors

Our Board oversees the management of our business and affairs. The Board believes that MPC's commitment to 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 ESG and sustainability objectives.

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

Our Corporate Governance Principles affirm our Board's long-standing commitment to actively seeking diverse Board candidates with a focus on women and candidates of diverse ethnic and racial backgrounds.

In April 2020, our Board elected John P. Surma as independent chairman. In April 2021, Frank M. Semple joined the Board replacing retiring director James E. Rohr.



¹ As defined by the independence rules of the New York Stock Exchange and applicable rules of the U.S. Securities and Exchange Commission

Director Skills and Experience

	Senior Leadership	Industry	Sustainability & Public Policy	Finance & Accounting	Risk Management	Operations	Government, Legal & Regulatory	Public Company Governance
Abdulaziz F. Alkhatayal	•	•	•		•	•		•
Evan Bayh	•		•	•	•		•	•
Charles E. Bunch	•	•	•	•	•	•		•
Jonathan Z. Cohen	•	•		•	•		•	•
Steven A. Davis	•	•	•	•	•	•		•
Edward G. Galante	•	•	•		•	•		•
Michael J. Hennigan	•	•	•	•	•	•		•
Kim K.W. Rucker	•	•	•		•		•	•
Frank M. Semple	•	•	•	•	•	•		•
J. Michael Stice	•	•	•	•	•	•		•
John P. Surma	•	•	•	•	•	•	•	•
Susan Tomasky	•	•	•	•	•		•	•

Sustainability Governance

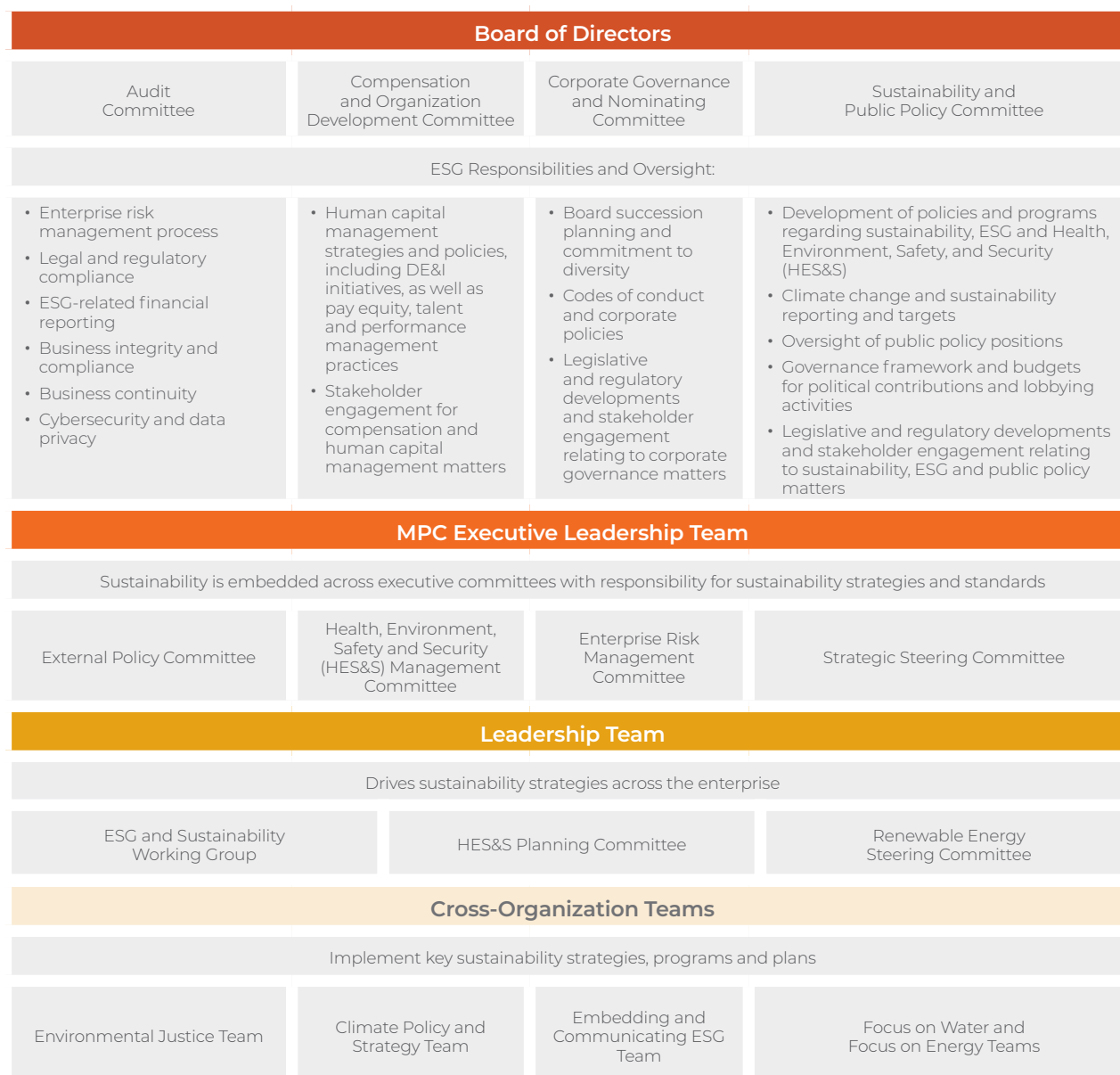
At MPC, our impacts, risks and opportunities related to ESG topics are identified and managed by company leadership with the oversight of our Board.

The Board has four committees, each of which is 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 sustainability strategies and standards. Sustainability is embedded in several cross-functional leadership committees that help ensure our objectives are incorporated into our OEMS standards and sustainability strategies. These are in turn cascaded throughout the organization. These standards and strategies are developed by committees of the executive leadership team and aligned with related procedures and plans at the operational level.

Communication and collaboration among the Board, its committees and management are critical to maintaining our aligned direction on sustainability matters.

Good governance is our way of ensuring MPC adheres to our mission and is accountable to our shareholders, our customers, our strategic partners and our employees.



Operational Excellence Management System

We believe that everyone — including our employees, contractors and business partners — shares responsibility for our sustainability performance.

We conduct business in a safe, responsible, and cost-effective manner, as set forth in our policies, standards and procedures and managed through our OEMS.

A Foundation of Best Practices

We began formalizing our OEMS over 15 years ago with adherence to the Responsible Care® Management System (RCMS). In 2018, we combined our RCMS into a more comprehensive RC14001® management system. RC14001® is built on the globally recognized ISO 14001 environmental management system, and includes health, safety and security requirements.

In 2020, we published our new integrated OEMS, which expands on the RC14001® scope and aligns with ISO 9001, incorporating quality and an increased stakeholder and process focus.



Beginning in 2020, **100%** of our company is in scope of our OEMS, which has been third-party reviewed for alignment with RC14001® and ISO 9001.

OEMS supports our ability to manage risks and internal and external requirements, engage with our stakeholders and further deliver on our sustainability objectives.

A Systematic Approach

OEMS provides a systematic approach to advancing performance by outlining requirements that will enable us to achieve our goals and ensure our long-term success.

We complement our OEMS with performance-based standards that set organizational expectations. We periodically review and update these standards to reflect changes in laws or regulations, incorporate recommendations arising from audits and incident investigations, incorporate stakeholder feedback and continually improve performance.

MPC's HES&S Management Committee, made up of Executive Leadership Team members, oversees implementation of our OEMS.

Click [here](#) to learn more about our OEMS.



OEMS IN ACTION

OEMS helps us right-size the rigor we build around our processes and programs to ensure we put the right resources and controls in place.

- "I identified a gap in the process with how we were reviewing the data coming in from the field. I made a change to review data daily to help improve data quality and address immediate issues. This review helped prevent a potential release." – Process Leader
- "Even with excellent standards and caring, dedicated employees, there are opportunities for errors. OEMS provides a documented and structured platform to bring all of those resources together for continual improvement." – Field Area Manager

MPLX's wholly owned subsidiary, Marathon Pipe Line LLC (MPL), incorporates an OEMS based on API RP 1173 – Pipeline Safety Management Systems, RC14001® and Operational Excellence process-focused principles.

- "During the pandemic, our OEMS became the vehicle that navigated us through unprecedented times. It provided a systematic approach to ensure we were staying focused on the right things and managing our risks effectively." – Shawn Lyon, MPL President

Risk Management

Enterprise Risk Management Program

Enterprise Risk Management (ERM) is how we identify, assess and manage enterprise-level risks and review the effectiveness of risk-mitigation strategies.

Enterprise-level risks include environmental, social and governance risks such as climate and compliance-related risks, as well as other risks described in our Annual Report on Form 10-K and other filings with the Securities and Exchange Commission.

ERM Process

Our ERM process is continuous and dynamic to help us identify emerging risks that may impact our ability to operate and efficiently allocate resources. The process involves a cross-functional review of potential enterprise-level risks, including sustainability risks. Our enterprise risk manager leads the process through quarterly leadership workshops that 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 strategies to mitigate risks — imminent and potential — and position the company to capitalize on new opportunities.

ERM Community

We have formed an ERM community to support the ERM Committee. It comprises mid-level risk and assurance representatives across our value chain and meets quarterly to discuss, develop, standardize and integrate risk management best practices throughout the company to support risk-based decision-making.

The Board and Executive Leadership Team routinely review and discuss enterprise-level risks and strategies, and the Board's Audit Committee further reviews our ERM process and performance trends and oversees internal controls and audits to evaluate their effectiveness.

Climate-Related Risk

We carefully review, evaluate and manage climate-related risks and opportunities to ensure our ability to adapt and strengthen our resiliency. These include both transitional and physical risks, which we routinely discuss with the Board's Sustainability and Public Policy Committee and executive and senior leadership committees.

For more information on how we manage climate-related risks and opportunities and the role cross-functional committees play, please see Page 34 of our [2021 Perspectives on Climate-Related Scenarios Report](#).

Compliance-Related Risk

As part of our ERM process, our Board oversees risks related to the regulatory landscape, including emerging and proposed regulations related to issues that have the potential to impact our business, such as GHG and other air emissions, water withdrawals and effluents, hazardous materials management, product specifications, and employee health and safety.

Roles and Responsibilities



Identification and Disclosure of Risks

We disclose material risks to our company in the Risk Factors section of our Annual Report on Form 10-K and Quarterly Reports on Form 10-Q that are filed with the Securities and Exchange Commission. Categories of risk described in these reports:

- Business and Operational Risks
- Financial Risks
- Legal and Regulatory Risks
- Strategic Transaction Risks
- General Risk Factors

Compliance and Ethics

Dedicated to the Highest Ethical Standards

MPC and MPLX are committed to operating in an honest and ethical manner. Through the many facets of our Compliance and Ethics Program and Business Integrity and Compliance initiatives, we strive to adhere to the highest standards of conduct.

Roles and Responsibilities

MPC's Chief Compliance Officer	
Oversight of Compliance and Ethics	
Business Integrity Committee	
Promotes the effectiveness of enterprisewide Compliance and Ethics Program	
Executive Leadership Team	Senior Management

Legal Compliance

At a foundational level, we comply with legal requirements governing all aspects of our business. It's our expectation that our employees are knowledgeable about applicable legal requirements and act accordingly.

Our approach to ethics goes beyond compliance with evolving laws and regulations to include implementation of proactive initiatives to safeguard our business reputation, the environment and the communities where we live and work. Selecting contractors, suppliers and other business partners that demonstrate similar commitments is also critical.

Code of Business Conduct

Operating with the highest standards of integrity is part of our culture. These standards are woven into our day-to-day work and through our [Code of Business Conduct](#), which is based on the overarching principle that we always strive to do the right thing.

Our Code lays the foundation for sound business decisions. It defines expectations for ethical decision-making, accountability and responsibility for every employee at all levels of MPC, including those providing services to MPLX. It also requires that employees immediately report any suspected illegal or unethical conduct connected with the business of MPC or its affiliates.

Approved by the Board, the Code of Business Conduct speaks to matters such as:

- Our Anti-Corruption Program
- Our Anti-Discrimination and Anti-Harassment Policies
- Anti-Trust and Fair Competition compliance
- Our Conflicts of Interest Policy
- Our Insider Trading Policy
- Money Laundering compliance

Code Training and Certification

All new employees are required to take Code of Business Conduct training and complete a new-hire questionnaire. Salaried employees are required to complete an annual Code of Business Conduct certification that enables employees to disclose issues that could present a violation of the Code.

Business partners — including suppliers, consultants, and contract workers — are expected to comply with both the Code of Business Conduct and the law, and to support effective compliance programs in their own organizations. Suppliers must also comply with our Supplier Code of Conduct.

TRAINING METRICS

100%

of new MPC employees completed Code of Business Conduct **training**



100%

of all salaried MPC employees completed the Code of Business Conduct **certification**



99%

of employees who **travel internationally** for business completed comprehensive anti-corruption training



Integrity of Financial Records

The chief executive officer, chief financial officer, controller, treasurer and other leaders performing similar roles at MPC and MPLX 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 that we expect of our senior executives with the responsibility to prepare and certify our financial statements.

In responding to and reporting any alleged Code of Ethics violation, our Business Integrity and Compliance group has direct access to the Board chairman, chief executive officer, chief financial officer, vice president of Audit and the chair of the Board's Audit Committee.

24/7 Anonymous Integrity Helpline

The Integrity Helpline enables employees, contractors, vendors, customers, community members and others to ask questions or raise allegations related to workplace behavior or ethics. While all our employees are encouraged to speak with their immediate supervisors if they have questions or concerns related to ethics and the Code, the helpline is an additional avenue to do so anonymously.

Every allegation received through the helpline is investigated in a manner and to the extent appropriate, based on the nature of the allegation. The goal is to resolve all matters within 90 days.

Where warranted, investigations may result in discipline, 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. Helpline statistics are reported to the Audit Committee of the Board of Directors, with certain types of allegations escalated rapidly. These include certain allegations regarding financial statements and reporting and allegations of Code violations by directors or officers.

24/7 ANONYMOUS INTEGRITY HELPLINE



Phone Number:

855-857-5700

Web Address:

fuelingintegrity.com

POLICIES

Human Rights

Our Policy on Human Rights, Including the Rights of Indigenous People, represents our commitment to respect the human, cultural and legal rights of all individuals and communities. 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 the freedom to associate and bargain collectively, and promoting diversity, equity and inclusion. Harassment and discrimination and the use of coerced, forced, and child labor are prohibited.

Discrimination

As an Equal Opportunity Employer, we give consideration for employment to qualified applicants without discrimination on the basis of race, color, religion, creed, sex, gender (including pregnancy, childbirth, breastfeeding or related medical conditions), sexual orientation, gender identity, gender expression, age, mental or physical disability, medical condition or AIDS/HIV status, ancestry, national origin, genetic information, military or veteran status, marital status, citizenship or any other status protected by applicable federal, state or local laws.

Anti-Corruption

We maintain a zero-tolerance policy for bribes or facilitation payments in any form and require compliance with all applicable laws regarding bribery and corruption, including the U.S. Foreign Corrupt Practices Act.

Whistleblowing

Our Whistleblowing as to Accounting Matters Policy specifically addresses complaints we may receive 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.

Conflicts of Interest

Our Conflicts of Interest Policy helps employees recognize and resolve real or apparent conflicts of interest. This policy acknowledges that business decisions on behalf of the company must be made by exercising independent judgment in the company's best interest and not influenced by the personal interests of decision-makers.

Cybersecurity and Privacy

To manage cybersecurity risks, we implement several policies, practices and standards to protect our computer systems, data, assets, infrastructure and computing environments from cybersecurity threats — and to safeguard confidentiality, integrity and availability. MPC's Chief Information Security Officer is responsible for our cybersecurity program and provides periodic briefings to the Audit Committee and the Board.

Our Best Defense: Vigilant Employees

Our employees and contractors receive training to equip them in managing cybersecurity risks. Informed employees and contractors use common sense and situational cybersecurity awareness to do the same things that physical and digital firewalls do — keep good things in and bad things out. Both employees and contractors act as bidirectional control agents for what comes into and goes out of both company networks and personal home networks. Security on these personal networks is even more important given current expanded work-from-home arrangements.

A simulated phishing program is used to train and test MPC email account users on how to act as a "human firewall." Users are shown how to identify and report phishing emails, and periodically simulated phishing emails are sent to test users' awareness of phishing attacks. Our phishing program provides immediate feedback to users and notifies the individual's management in the event of repeated failures.



~300,000

spam email blocked daily by
MPC cybersecurity tools



99%

of MPC employees
completed cybersecurity
awareness training



100%

of MPC email account
holders receive phishing
simulations



Cybersecurity Policies

Our Computer Security Policy governs our cybersecurity efforts and compliance with all legal requirements. The policy is implemented through a governance process that includes standards, procedures, risk management, defense strategy and compliance reviews.

Cybersecurity policies apply to MPC and MPLX entities, employees and third parties that own, manage, administer, support, develop or work on company information systems, and to all our computing environments, whether connected to or segregated from our corporate network, including business partners and suppliers. We emphasize policy awareness for employees through training and supervisor engagement, and implement policy compliance through a structured escalation program, if needed.

Our Code of Business Conduct further addresses protection of company assets, information systems, social media, business records retention and confidential information.

Managing Technology Risks

We manage technology risks through a resilient system of layered security architecture. Security limits are placed on physical access, we segment business and operational networks, and align critical applications to withstand cyberattacks by using data centers protected by additional layers of security.

Internal IT controls allow us to detect centralized security events by allowing seamless bidirectional data flow between each system and the enterprise security control center.

Our cybersecurity program aligns with the National Institute of Standards and Technology (NIST) – Cybersecurity Framework, a control framework that helps companies develop a standardized model on which to build their information technology and operational technology cybersecurity program and subsequently measure their maturity in this important area.

Addressing Third-Party Risks

Utilizing both internal and third-party vendor-provided capabilities, we maintain a proactive, data-centric cybersecurity risk assessment and management program. As part of the approach, employees are trained to report and escalate suspicious incidents and cyberthreats to our IT Service Desk. We continue to expand our due diligence capabilities in response to a changing cloud landscape.

Threat awareness and prevention training begins when an employee is hired and continues throughout each employee's tenure, delivering training and materials through multiple channels. Contractors also participate in these initiatives.

Privacy is Vital

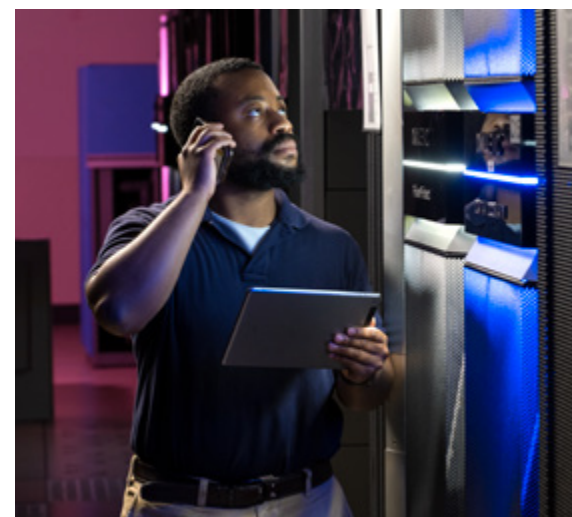
Protecting any and all personal data we receive is a top priority. We comply with applicable privacy laws, as well as applicable privacy regulations and safeguards, which have been applied to our operations across the country.

MPC adheres 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 engage a third-party Qualified Security Assessor to assess our compliance annually.

Our cybersecurity program is aligned with NIST Cybersecurity Framework and relevant NIST publications, such as NIST SP 800-53, NIST SP 800-82.

THE IMPORTANCE OF BEING PREPARED

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



About This Report

MPC's and MPLX's 2020 Sustainability Report reflects our long-standing commitment to transparency and accountability around the environmental, social and governance dimensions of our business. We have publicly reported on these matters since 2011, and this report communicates our sustainability strategy and performance in accordance with the Sustainability Accounting Standards Board (SASB) metrics and Global Reporting Initiative (GRI) Standards, as well as other recognized reporting frameworks.

Please visit the following websites for additional information on our sustainability priorities.

- MPC – marathonpetroleum.com/sustainability
- MPLX – mplx.com/sustainability

Reporting Frameworks

SASB

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

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.

TCFD

We annually publish a separate risk assessment report that follows guidelines set forth by the Financial Stability Board Task Force on Climate-related Financial Disclosures (TCFD). Click [here](#) for our latest Perspectives on Climate-Related Scenarios Report.

Reporting Framework Cross-Reference

See Reporting Framework Cross-Reference for mapping of our most significant reporting topics to SASB and GRI standards, as well as IPIECA indicators. See also our SASB and GRI indices provided separately on our [website](#).

Scope of Report

The information and data in this report covers all MPC entities, including Speedway LLC and MPLX LP, for the calendar year 2020, unless otherwise indicated.

Data Quality

Information and data in this report covers all MPC entities, for the calendar year 2020, 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 through 2020. Click [here](#) to view the external assurance statement from Lloyds Register Quality Assurance, Inc. relating to our GHG data.

Performance Data

Company Performance

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
Economic Performance⁽¹⁾									
Sales and Other Operating Revenue	\$ millions		201-1a.i		63,339	74,733	96,504	123,949	69,779
Income from Operations	\$ millions				2,386	4,018	5,571	5,576	(12,247)
Net Income Attributable to MPC	\$ millions		201-1a.iii		1,174	3,432	2,780	2,637	(9,826)
Capital Expenditures and Investments (excludes acquisitions)	\$ millions				3,059	3,106	4,304	6,133	2,754
Environmental Expenditures (capital and expense) ⁽²⁾⁽³⁾	\$ millions				883	792	957	1,213	630
Operational Performance⁽⁴⁾									
MPC Manufacturing Inputs	million boe				1,588	1,669	1,717	1,817	1,627
Refining Manufacturing Inputs	million boe	EM-RM-000.A			1,075	1,107	1,111	1,142	940
MPLX Gas Plant Manufacturing Inputs	million boe				513	562	605	675	687
Crude Oil Refining Capacity	thousand bpcd	EM-RM-000.B			2,927	2,848	3,021	3,067	2,874
Natural Gas Gathering Volumes	mmcf/d	EM-MD-000.A						5,967	5,331
MPLX Crude and Refined Products Transported	mbpd	EM-MD-000.A						5,114	4,712
MPLX Crude Oil Transported	mbpd	EM-MD-000.A						3,228	2,998
MPLX Refined Products Transported	mbpd	EM-MD-000.A						1,886	1,714
Total Addressable Market for Advanced Biofuels and Associated Infrastructure	\$ billions	EM-RM-410a.2						2.8	3.7
Market Share of Total Addressable Market for Advanced Biofuels and Associated Infrastructure ⁽⁵⁾	%	EM-RM-410a.2						2	2

Environmental Performance

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
Greenhouse Gas Emissions⁽⁴⁾⁽⁶⁾									
Total Scope 1 and Scope 2 GHG Emissions	million tonnes CO₂e			CCE-4 - C1	46.2	45.3	45.2	45.0	40.2
Scope 1 & 2 GHG Intensity (excludes Retail and GHG associated with exported power from cogen)	tonnes CO₂e/mboe input		305-4a	CCE-4 - C4	28.0	26.1	25.3	23.8	23.7
Total Scope 1 and 2 GHG Intensity Reduction Since 2014	%		305-5a		-6	-13	-15	-21	-21
Total Scope 1 GHG Emissions⁽⁷⁾⁽⁸⁾	million tonnes CO₂e		305-1a	CCE-4 - C1	37.7	37.5	37.0	36.8	32.2
Total Scope 1 CO ₂ Emissions	million tonnes CO ₂			CCE-4 - C1	36.7	36.6	36.2	35.9	31.3
Total Scope 1 CH ₄ Emissions	thousand tonnes CH ₄			CCE-4 - C1	33	31	29	31.7	32.7
Total Scope 1 N ₂ O Emissions	thousand tonnes N ₂ O			CCE-4 - C1	0.3	0.2	0.2	0.2	0.2
Total Scope 1 SF ₆ and Tracer Emissions	tonnes SF ₆ and tracer			CCE-4 - C1	1	0	2	1	0
Refining Scope 1 GHG Emissions	million tonnes CO₂e	EM-RM-110a.1		CCE-4 - C3	32	32	32	31	27
Refining Scope 1 GHG Covered by Emissions-limiting Regulation ⁽⁹⁾	%	EM-RM-110a.1			27	27	28	27	25

Environmental Performance continued

Metric	Unit of Measure	SASB Map	GRI Map	IPIECA Map	2016	2017	2018	2019	2020
Greenhouse Gas Emissions⁽⁴⁾⁽⁶⁾ continued									
MPLX Scope 1 GHG Emissions⁽¹⁰⁾	million tonnes CO₂e	EM-MD-110a.1		CCE-4 - C3	5	5	5	6	5
MPLX Scope 1 GHG Emissions from Methane (CO ₂ e basis) ⁽¹⁰⁾	%	EM-MD-110a.1			13	13	11	11	13
MPLX Scope 1 GHG Covered by Emissions-limiting Regulation ⁽¹⁰⁾	%	EM-MD-110a.1						< 2	< 2
MPLX G&P Scope 1 Methane Emissions Intensity	%				0.037	0.032	0.026	0.026	0.029
Total Scope 2 GHG Emissions⁽¹¹⁾	million tonnes CO₂e		305-2a	CCE-4 - C2	9	8	8	8	8
Refining Scope 2 GHG Emissions	million tonnes CO ₂ e			CCE-4 - C3	4	4	4	4	4
MPLX Scope 2 GHG Emissions ⁽¹⁰⁾	million tonnes CO ₂ e			CCE-4 - C3	4	3	4	4	4
Scope 3, Category 11: Use of Sold Products - Refinery Yield Method ⁽¹²⁾	million tonnes CO ₂ e		305-3a	CCE-4 - A2				426	352
Scope 3, Category 11: Use of Sold Products - Marketing Method including MPLX-owned natural gas and NGLs ⁽¹³⁾	million tonnes CO ₂ e		305-3a	CCE-4 - A2				487	417
Scope 3, Category 11: Use of Sold Products - MPLX G&P Processed Volume Owned by MPLX ⁽¹²⁾⁽¹³⁾	million tonnes CO ₂ e		305-3a	CCE-4 - A2				2	2
Energy Use⁽⁴⁾⁽⁶⁾									
Total Energy Use	billion gj		302-1a	CCE-6 - C1	0.6	0.6	0.6	0.6	0.6
Refining Energy Use	billion gj				0.5	0.5	0.5	0.5	0.5
MPLX G&P Energy Use	billion gj				0.0	0.1	0.1	0.1	0.1
Energy Intensity	gj/boe		302-3a	CCE-6 - A2	0.4	0.4	0.4	0.3	0.3
Refining Energy Intensity	gj/boe			CCE-6 - A2	0.5	0.5	0.5	0.5	0.5
MPLX G&P Energy Intensity	gj/boe			CCE-6 - A2	0.1	0.1	0.1	0.1	0.1
Avoided Energy Consumption from Efficiency Efforts	million gj		302-4a		26	18	20	18	13
Air Emissions⁽⁴⁾⁽⁶⁾									
Total Criteria Pollutant Emissions	thousand tonnes				58.0	58.6	54.0	50.3	43.9
Total SO _x Emissions	thousand tonnes		305-7a.ii	ENV-5 - C1	4.9	4.7	3.5	3.3	2.5
Total NO _x Emissions	thousand tonnes		305-7a.i	ENV-5 - C1	20.5	20.5	19.6	17.9	14.8
Total CO Emissions	thousand tonnes		305-7a.vii	ENV-5 - A1	12.6	13.1	11.4	10.8	9.7
Total VOC Emissions	thousand tonnes		305-7a.iv	ENV-5 - C1	16.5	16.9	16.0	15.0	14.1
Total PM ₁₀ Emissions	thousand tonnes		305-7a.vi	ENV-5 - A1	3.5	3.4	3.5	3.4	2.9
Total Criteria Pollutant Emissions Intensity	tonnes/million boe				36.5	35.1	31.4	27.7	27.0
Refining Criteria Pollutant Emissions	thousand tonnes			ENV-5 - A3	37.0	35.4	33.2	32.8	28.8
Refining SO _x Emissions	thousand tonnes	EM-RM-120a.1		ENV-5 - A3	4.8	4.6	3.4	3.2	2.4
Refining NO _x Emissions	thousand tonnes	EM-RM-120a.1		ENV-5 - A3	12.8	12.2	11.8	11.9	10.0
Refining CO Emissions	thousand tonnes			ENV-5 - A3	8.4	8.2	7.7	7.6	7.0
Refining VOC Emissions	thousand tonnes	EM-RM-120a.1		ENV-5 - A3	7.9	7.5	7.4	7.3	6.9
Refining PM ₁₀ Emissions	thousand tonnes	EM-RM-120a.1		ENV-5 - A3	3.1	2.9	2.9	2.8	2.5
Refining H ₂ S Emissions ⁽¹⁴⁾	thousand tonnes	EM-RM-120a.1			0.09	0.09	0.08	0.09	0.08

Environmental Performance continued

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
Air Emissions⁽⁴⁾⁽⁶⁾ continued									
Refining Criteria Pollutant Emissions from Flaring	thousand tonnes				3.8	3.0	2.6	2.5	2.1
Refining Criteria Pollutant Emissions Intensity	tonnes/million boe			ENV-5 - A3	34.4	32.0	29.8	28.7	30.6
Hazardous Air Pollutant Emissions ⁽¹⁴⁾	thousand tonnes		305-7a.v		1.1	1.0	1.0	0.9	0.9
Number of Refineries in or Near Areas of Dense Population	count	EM-RM-120a.2						12	12
MPLX Criteria Pollutant Emissions⁽¹⁰⁾	thousand tonnes			ENV-5 - A3	21.0	23.2	20.8	17.4	15.1
MPLX SO _x Emissions	thousand tonnes	EM-MD-120a.1		ENV-5 - A3	0.1	0.1	0.1	0.1	0.1
MPLX NO _x Emissions	thousand tonnes	EM-MD-120a.1		ENV-5 - A3	7.7	8.3	7.8	5.9	4.8
MPLX CO Emissions	thousand tonnes			ENV-5 - A3	4.2	4.9	3.7	3.2	2.7
MPLX VOC Emissions	thousand tonnes	EM-MD-120a.1		ENV-5 - A3	8.6	9.4	8.7	7.7	7.1
MPLX PM ₁₀ Emissions	thousand tonnes	EM-MD-120a.1		ENV-5 - A3	0.4	0.5	0.6	0.5	0.4
Water⁽⁴⁾⁽⁶⁾									
Total Water Withdrawal	megaliters		303-3a		155,988	154,975	158,823	162,831	145,269
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-3c.i	ENV-1 - C1	155,664	154,601	158,427	161,537	144,014
Other water (> 1,000 mg/L total dissolved solids)	megaliters		303-3c.ii	ENV-1 - A4	324	374	396	1,294	1,256
Surface Water Withdrawal	megaliters		303-3a.i		84,230	82,228	86,133	87,693	79,001
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-3c.i		84,230	82,228	86,133	87,693	78,999
Groundwater Withdrawal	megaliters		303-3a.ii		21,995	21,727	20,647	21,496	22,861
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-3c.i		21,995	21,727	20,647	21,496	22,861
Seawater Withdrawal	megaliters		303-3a.iii		0	0	0	87	75
Other Water (> 1,000 mg/L total dissolved solids)	megaliters		303-3c.ii		0	0	0	87	75
Third-party Withdrawal	megaliters		303-3a.v		49,763	51,020	52,044	53,555	43,331
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-3c.i		49,439	50,646	51,648	52,348	42,153
Other Water (> 1,000 mg/L total dissolved solids)	megaliters		303-3c.ii		324	374	396	1,207	1,178
Total Freshwater Recycled	megaliters			ENV-1 - A5	8,179	7,706	7,669	9,167	26,055
Refining Freshwater Withdrawal	megaliters	EM-RM-140a.1			153,833	152,707	156,644	159,855	142,398
Refining Freshwater Recycled ⁽¹⁵⁾	%	EM-RM-140a.1			5	5	5	6	18
Refining Freshwater Withdrawal in High Baseline Water Stress Areas as Percentage of Total Freshwater Withdrawal	%	EM-RM-140a.1			28	29	28	28	27
Refining Freshwater Consumed in High Baseline Water Stress Areas as Percentage of Total Freshwater Consumed	%	EM-RM-140a.1			31	32	34	31	31
Total Water Withdrawal in Stressed Areas	megaliters		303-3b	ENV-1 - C4	43,644	43,829	44,636	44,069	37,968
Surface Water Withdrawal in Stressed Areas	megaliters		303-3b.i		0	0	0	0	0
Groundwater Withdrawal in Stressed Areas	megaliters		303-3b.ii		14,078	12,517	11,212	11,911	14,765
Third-party Withdrawal in Stressed Areas	megaliters		303-3b.v		29,566	31,312	33,424	32,158	23,203
Total Freshwater Recycled in Stressed Areas	megaliters				7,009	6,516	5,781	5,267	15,173
Total Freshwater Recycled in Stressed Areas	%				16	15	13	12	40

Environmental Performance continued

Metric	Unit of Measure	SASB Map	GRI Map	IPIECA Map	2016	2017	2018	2019	2020
Water⁽⁴⁾⁽⁶⁾ continued									
Total Freshwater Withdrawal Intensity	megaliters/million boe			ENV-1 - A2	98	93	92	89	89
Total Water Consumption	megaliters		303-5a	ENV-1 - C2	75,662	75,242	75,443	76,299	64,784
Total Water Consumption in Stressed Areas	megaliters		303-5b		22,882	23,569	24,942	22,757	19,780
Water Consumption Intensity	megaliters/million boe				48	45	44	42	40
Total Water Discharge	megaliters		303-4a	ENV-2 - A5	82,849	82,410	85,657	89,483	82,478
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-4b.i		80,301	79,701	83,354	86,427	79,825
Other Water (> 1,000 mg/L total dissolved solids)	megaliters		303-4b.ii		2,548	2,709	2,303	3,056	2,652
Surface Water Discharge	megaliters		303-4a.i	ENV-2 - A6	47,299	47,132	51,819	52,047	49,453
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-4b.i	ENV-2 - A5	47,299	47,132	51,819	52,047	49,404
Other Water (> 1,000 mg/L total dissolved solids)	megaliters		303-4b.ii		0	0	0	0	49
Groundwater Discharge (includes deepwell injection)	megaliters		303-4a.ii	ENV-2 - A6	2,523	2,677	2,276	2,951	1,993
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-4b.i		0	0	0	32	2
Other Water (> 1,000 mg/L total dissolved solids)	megaliters		303-4b.ii		2,523	2,677	2,276	2,919	1,991
Seawater Discharge	megaliters		303-4a.iii	ENV-2 - A6	5,734	6,574	6,416	6,377	3,841
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-4b.i		5,734	6,574	6,416	6,290	3,766
Other Water (> 1,000 mg/L total dissolved solids)	megaliters		303-4b.ii		0	0	0	87	75
Third-party Discharge	megaliters		303-4a.iv	ENV-2 - A5	27,293	26,027	25,145	28,108	27,191
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-4b.i		27,267	25,995	25,119	28,059	26,653
Other Water (> 1,000 mg/L total dissolved solids)	megaliters		303-4b.ii		25	33	27	49	538
Total Water Discharge in Stressed Areas	megaliters		303-4c	ENV-2 - A7	20,761	20,260	19,694	21,312	18,188
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters		303-4c.i		20,761	20,260	19,694	21,312	18,188
Other Water (> 1,000 mg/L total dissolved solids)	megaliters		303-4c.ii		0	0	0	0	0
Seawater Discharge in Stressed Areas	megaliters			ENV-2 - A7	5,734	6,574	6,416	6,290	3,757
Third-party Discharge in Stressed Areas	megaliters			ENV-2 - A7	15,027	13,686	13,278	15,022	14,431
Incidents of Noncompliance with Discharge Limits	count		303-4d.iii					92	92
Incidents of Noncompliance with Water Quality Permits, Standards and Regulations with Enforcement	count	EM-RM-140.a2						13	13
Waste⁽⁴⁾⁽⁶⁾⁽¹⁶⁾									
Total Hazardous Waste	thousand tonnes		306-2a	ENV-7 - C3			37	42	42
Hazardous Waste - Recycle	thousand tonnes		306-2a.ii	ENV-7 - C3			11	13	13
Hazardous Waste - Recovery (including energy recovery)	thousand tonnes		306-2a.iv	ENV-7 - C3			13	19	16
Hazardous Waste - Incineration (mass burn)	thousand tonnes		306-2a.v	ENV-7 - C3			9	7	8
Hazardous Waste - Landfill	thousand tonnes		306-2a.vii	ENV-7 - C3			5	3	5
Refining Hazardous Waste Generated	thousand tonnes	EM-RM-150a.1						38	41
Refining Hazardous Waste Recycled	thousand tonnes	EM-RM-150a.1						13	13
Refining Hazardous Waste Recycled	%	EM-RM-150a.1						34	31

Environmental Performance continued

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
Waste⁽⁴⁾⁽⁶⁾⁽¹⁶⁾ continued									
Underground Storage Tanks (USTs)	count	EM-RM-150a.2						15,872	15,753
UST Releases Requiring Cleanup	count	EM-RM-150a.2						32	80
UST Releases Requiring Cleanup in States with UST Financial Assurance Funds	%	EM-RM-150a.2						47	85
Total Nonhazardous Waste	thousand tonnes		306-2b	ENV-7 - C3				381	211
Nonhazardous Waste - Reuse	thousand tonnes		306-2b.i	ENV-7 - C3				2	0
Nonhazardous Waste - Recycle	thousand tonnes		306-2b.ii	ENV-7 - C3				93	56
Nonhazardous Waste - Composting	thousand tonnes		306-2b.iii	ENV-7 - C3				11	0
Nonhazardous Waste - Recovery (including energy recovery)	thousand tonnes		306-2b.iv	ENV-7 - C3				21	20
Nonhazardous Waste - Incineration (mass burn)	thousand tonnes		306-2b.v	ENV-7 - C3				1	0
Nonhazardous Waste - Deep Well Injection	thousand tonnes		306-2b.vi	ENV-7 - C3				0	0
Nonhazardous Waste - Landfill	thousand tonnes		306-2b.vii	ENV-7 - C3				253	135
Spills⁽⁴⁾⁽⁶⁾									
Tier 3 and Tier 4 DEI Spills - volume	bbls		306-3					4,594	681
Tier 3 and Tier 4 DEI Spills	count		306-3					8	3
Oil Spilled to Land >1 bbl - volume	bbls			ENV-6 - A3	3,469	3,639	2,207	5,340	515
Count of Oil Spills to Land >1 bbl	count			ENV-6 - A3	98	79	133	140	59
Oil Spilled to Water >1 bbl - volume	bbls			ENV-6 - A3	871	50	1,473	106	488
Count of Oil Spills to Water >1 bbl	count			ENV-6 - A3	11	27	25	20	2
MPLX Hydrocarbon Spills >1 bbl	count	EM-MD-160a.4						41	34
MPLX Hydrocarbon Spills >1 barrel - volume	bbls	EM-MD-160a.4						2,232	855
MPLX Hydrocarbon Spills >1 barrel - volume to land	bbls	EM-MD-160a.4						2,127	293
MPLX Hydrocarbon Spills >1 barrel - volume to water	bbls	EM-MD-160a.4						105	488
MPLX Hydrocarbon Spills >1 barrel - volume in Artic	bbls	EM-MD-160a.4						0	0
MPLX Hydrocarbon Spills >1 barrel - volume in Unusually Sensitive Areas ⁽¹⁷⁾	bbls	EM-MD-160a.4						0	0
MPLX Hydrocarbon Spills >1 barrel - volume recovered	bbls	EM-MD-160a.4						2,140	781
Reportable Pipeline Incidents	count	EM-MD-540a.1						14	12
Reportable Pipeline Incidents - Significant	%	EM-MD-540a.1						28.6	33
Rail Transportation Accident Releases	count	EM-MD-540a.3						0	0
Rail Transportation Non-accident Releases	count	EM-MD-540a.3						5	6
Natural Gas Pipelines Inspected ⁽¹⁸⁾	%	EM-MD-540a.2						100	100
Hazardous Liquid Pipelines Inspected ⁽¹⁸⁾	%	EM-MD-540a.2						100	100
Designated Environmental Incidents (DEIs)⁽¹⁹⁾									
Number of Tier 2, 3 and 4 DEIs	count				119	98	228	228	151
Tier 2 DEIs	count				80	67	93	143	101
Tier 3 and 4 DEIs	count				39	31	135	85	50

Environmental Performance continued

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
Ecological Impacts									
Wildlife Habitat Council Certified Habitats Owned and Maintained	count				21	21	23	23	22
Acres of Wildlife Habitat Council Certified Habitats Owned and Maintained	acres				1,327	1,352	1,347	1,317	1,313
Land Owned, Leased, and/or Operated within Areas of Protected Conservation Status or Endangered Species Habitat ⁽²⁰⁾	%	EM-MD-160a.2	304-1						23
Terrestrial Acreage Disturbed ⁽²¹⁾	acres	EM-MD-160a.3						3,294	4,644
Impacted Areas Restored	%	EM-MD-160a.3						100	92

Social Performance

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
U.S. Equal Employment Opportunity Commission Statistics (EEO-1 data) (excluding Speedway)									
Total Employees									
Women	%		405-1	SOC-5 - C2				18.6	18.1
Hispanic or Latino	%		405-1	SOC-5 - C2				12.3	12.5
Black or African American	%		405-1	SOC-5 - C2				4.8	4.8
Asian	%		405-1	SOC-5 - C2				3.1	2.8
American Indian or Alaskan Native	%		405-1	SOC-5 - C2				1.2	0.8
Native Hawaiian or Pacific Islander	%		405-1	SOC-5 - C2				0.3	0.3
Two or More Races	%		405-1	SOC-5 - C2				1.4	1.3
Total Minority Representation	%		405-1	SOC-5 - C2				23.1	22.6
White	%		405-1	SOC-5 - C2				76.9	77.4
Executive/Senior Officials and Managers									
Women	%		405-1	SOC-5 - C2				22.6	23.1
Hispanic or Latino	%		405-1	SOC-5 - C2				3.2	3.8
Black or African American	%		405-1	SOC-5 - C2				0	0
Asian	%		405-1	SOC-5 - C2				0	0
American Indian or Alaskan Native	%		405-1	SOC-5 - C2				0	0
Native Hawaiian or Pacific Islander	%		405-1	SOC-5 - C2				0	0
Two or More Races	%		405-1	SOC-5 - C2				0	0
Total Minority Representation	%		405-1	SOC-5 - C2				3.2	3.8
White	%		405-1	SOC-5 - C2				96.8	96.2
First/Mid-level Officials and Managers									
Women	%		405-1	SOC-5 - C2				12.9	14.2
Hispanic or Latino	%		405-1	SOC-5 - C2				7.4	7.4
Black or African American	%		405-1	SOC-5 - C2				3	3.2

Social Performance continued

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
U.S. Equal Employment Opportunity Commission Statistics (EEO-1 data) (excluding Speedway) continued									
Asian	%		405-1	SOC-5 - C2				2	1.9
American Indian or Alaskan Native	%		405-1	SOC-5 - C2				0.7	0.4
Native Hawaiian or Pacific Islander	%		405-1	SOC-5 - C2				0.2	0.3
Two or More Races	%		405-1	SOC-5 - C2				1.1	1.2
Total Minority Representation	%		405-1	SOC-5 - C2				14.4	14.5
White	%		405-1	SOC-5 - C2				85.6	85.5
Professionals									
Women	%		405-1	SOC-5 - C2				29.9	30.6
Hispanic or Latino	%		405-1	SOC-5 - C2				10.4	10.5
Black or African American	%		405-1	SOC-5 - C2				3.1	2.6
Asian	%		405-1	SOC-5 - C2				5.4	5.3
American Indian or Alaskan Native	%		405-1	SOC-5 - C2				0.3	0.3
Native Hawaiian or Pacific Islander	%		405-1	SOC-5 - C2				0.1	0.1
Two or More Races	%		405-1	SOC-5 - C2				1.5	1.4
Total Minority Representation	%		405-1	SOC-5 - C2				20.8	20.1
White	%		405-1	SOC-5 - C2				79.2	79.9
Workforce									
Total Workforce - All Employees	count						60,350	60,910	58,015
Total Workforce - Women	%		405-1	SOC-5 - C2			46	46	46
Total Workforce - Racial/Ethnic Minority Groups	%		405-1	SOC-5 - C2			31	32	32
Workforce - All Employees (excluding Speedway)	count						20,120	20,520	18,639
Workforce - Women	%		405-1				19	19	18
Workforce - Racial/Ethnic Minority Groups	%		405-1				22	23	23
Workforce - Full-time Employment	%							98	99
Employees by Age Group Baby Boomers	%		405-1	SOC-5 - C3			23	20	16
Employees by Age Group Generation X	%		405-1	SOC-5 - C3			42	42	43
Employees by Age Group Millennials	%		405-1	SOC-5 - C3			35	37	40
Employees by Age Group Generation Z	%		405-1	SOC-5 - C3			0	1	1
Unionized Employees - All Employees	count						4,780	4,650	4,081
Board of Directors (excluding Speedway)									
Board of Directors - Women	%		405-1	SOC-5 - C3			17	17	17
Board of Directors - Racial/Ethnic Minority Groups	%		405-1	SOC-5 - C3			25	25	25
Board of Directors by Age Group Baby Boomers	%		405-1	SOC-5 - C3				83	83
Board of Directors by Age Group Generation X	%		405-1	SOC-5 - C3				17	17
Officers (excluding Speedway)									
Officers - Women	%		405-1	SOC-5 - C3			21	22	25
Officers - Racial/Ethnic Minority Groups	%		405-1	SOC-5 - C3			4	4	5

Social Performance continued

Metric	Unit of Measure	SASB Map	GRI Map	IPIECA Map	2016	2017	2018	2019	2020
Workforce continued									
Officers by Age Group Baby Boomers	%		405-1	SOC-5 - C3				67	55
Officers by Age Group Generation X	%		405-1	SOC-5 - C3				29	40
Officers by Age Group Millennials	%		405-1	SOC-5 - C3				4	5
All Senior Management (excluding Speedway)	count		405-1	SOC-5 - C3				134	127
Senior Management - Women	%		405-1	SOC-5 - C3			15	17	21
Senior Management - Racial/Ethnic Minority Groups	%		405-1	SOC-5 - C3			9	9	11
Senior Management by Age Group Baby Boomers	%		405-1	SOC-5 - C3				31	22
Senior Management by Age Group Generation X	%		405-1	SOC-5 - C3				67	75
Senior Management by Age Group Millennials	%		405-1	SOC-5 - C3				2	3
All Supervisors (excluding Speedway)	count			SOC-5 - C3				2,581	2,449
Supervisors - Women	%		405-1	SOC-5 - C3				18	17
Supervisors - Racial/Ethnic Minority Groups	%		405-1	SOC-5 - C3				14	15
Supervisors by Age Group Baby Boomers	%		405-1	SOC-5 - C3				22	15
Supervisors by Age Group Generation X	%		405-1	SOC-5 - C3				54	56
Supervisors by Age Group Millennials	%		405-1	SOC-5 - C3				24	29
Total Hires - All Employees (excluding Speedway)	count		401-1				2,650	2,750	1,590
Total Hires - Women	%		401-1				24	25	27
Total Hires - Racial/Ethnic Minority Groups	%		401-1				19	21	25
Total Hires by Age Group Baby Boomer	%		401-1	SOC-5 - C3				7	3
Total Hires by Age Group Generation X	%		401-1	SOC-5 - C3				23	17
Total Hires by Age Group Millennials	%		401-1	SOC-5 - C3				49	41
Total Hires by Age Group Generation Z	%		401-1	SOC-5 - C3				21	39
Intern/Co-op Hires - Total (excluding Speedway)	count			SOC-5 - C3			519	529	545
Intern/Co-op Hires - Women	%		405-1	SOC-5 - C3			36	35	35
Intern/Co-op Hires - Racial/Ethnic Minority Groups	%		405-1	SOC-5 - C3			24	25	24
Interns by Age Group Millennials	%		405-1	SOC-5 - C3				24	10
Interns by Age Group Generation Z	%		405-1	SOC-5 - C3				76	90
Intern to Employee Conversions - Total (excluding Speedway)	count			SOC-7 - A2			119	136	139
Intern to Employee Conversions - Women	%		405-1	SOC-7 - A2			35	32	47
Intern to Employee Conversions - Racial/Ethnic Minority Groups	%		405-1	SOC-7 - A2			20	19	15
Intern to Employee Conversions by Age Group Baby Boomer	%		405-1	SOC-7 - A2				1	0
Intern to Employee Conversions by Age Group Generation X	%		405-1	SOC-7 - A2				1	0
Intern to Employee Conversions by Age Group Millennials	%		405-1	SOC-7 - A2				80	62
Intern to Employee Conversions by Age Group Generation Z	%		405-1	SOC-7 - A2				18	38
Community Investment⁽²²⁾									
Community Investment Dollars	\$ million			SOC-13 - C2			21.7	18.7	13
Non-profits Supported	count						921	534	937

Social Performance continued

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
Community Investment⁽²²⁾ continued									
Schools Supported	count							128	123
Employee Donations to Non-profits	\$ million						3.35	5.6	4.61
Employee Volunteer Hours	hours						43,765	55,525	44,433
Operations Where Indigenous Communities are Present	count		OG-9					13	14
Number of Significant Disputes With Local and Indigenous Peoples	count		OG-10					0	0
Operations Where Involuntary Resettlement Took Place with Indigenous Communities	count		OG-12	SOC-11				0	0
Supply Chain									
Supply Chain Spend (excluding crude/feedstock purchases)	\$ billion							19.7	15
Diverse Supplier Spend (excluding Speedway and crude/feedstock purchases)	\$ million							395	277

Safety Performance

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
Personal Safety Performance									
Total Count of Safety Incidents⁽²³⁾									
Refining	count				105	85	78	86	54
Employee	count				45	37	25	37	20
Contractor	count				60	48	53	49	34
MPLX	count				89	110	130	139	113
Employee	count				70	55	34	76	80
Contractor	count				19	55	96	63	33
Retail	count				683	612	681	559	528
Employee	count				682	612	680	559	528
Contractor	count				1	0	1	0	0
Fatalities⁽²⁴⁾									
Total Company - Fatalities	count			SHS-3 - C1	2	1	2	0	1
Employee	count			SHS-3 - C1	0	0	1	0	0
Contractor	count			SHS-3 - C1	2	1	1	0	1
Total Company - Fatality Rate	per 200,000 hrs worked		403-9	SHS-3 - C1	0.002	0.001	0.002	0.000	0.002
Employee	per 200,000 hrs worked	EM-RM-320a.1	403-9	SHS-3 - C1	0.000	0.000	0.002	0.000	0.000
Contractor	per 200,000 hrs worked	EM-RM-320a.1	403-9	SHS-3 - C1	0.008	0.004	0.004	0.000	0.005
OSHA Recordable Incident Rate⁽²⁵⁾									
Total Company (excluding retail)	per 200,000 hrs worked		403-9	SHS-3 - C1	0.41	0.40	0.43	0.42	0.39
Employee	per 200,000 hrs worked		403-9	SHS-3 - C1	0.52	0.42	0.26	0.47	0.45
Contractor	per 200,000 hrs worked		403-9	SHS-3 - C1	0.31	0.39	0.58	0.38	0.33

Safety Performance continued

Metric	Unit of Measure	SASB Map	GRI Map	IPIECA Map	2016	2017	2018	2019	2020
Personal Safety Performance continued									
Refining	per 200,000 hrs worked		403-9	SHS-3 - C1	0.34	0.29	0.27	0.28	0.22
Employee	per 200,000 hrs worked	EM-RM-320a.1	403-9	SHS-3 - C1	0.36	0.30	0.20	0.29	0.18
Contractor	per 200,000 hrs worked	EM-RM-320a.1	403-9	SHS-3 - C1	0.33	0.28	0.32	0.27	0.27
MPLX	per 200,000 hrs worked		403-9	SHS-3 - C1	0.63	0.65	0.76	0.71	0.74
Employee	per 200,000 hrs worked		403-9	SHS-3 - C1	0.93	0.73	0.45	0.95	0.98
Contractor	per 200,000 hrs worked		403-9	SHS-3 - C1	0.29	0.59	1.00	0.55	0.46
Retail	per 200,000 hrs worked		403-9	SHS-3 - C1	2.08	1.81	1.99	1.64	1.67
Employee	per 200,000 hrs worked		403-9	SHS-3 - C1	2.08	1.82	1.99	1.64	1.67
Contractor	per 200,000 hrs worked		403-9	SHS-3 - C1	1.32	0.00	1.44	0.00	0.00
Days Away Rate⁽²⁶⁾									
Total Company (excluding retail)	per 200,000 hrs worked			SHS-3 - C1	0.11	0.09	0.10	0.09	0.10
Employee	per 200,000 hrs worked			SHS-3 - C1	0.16	0.12	0.10	0.11	0.15
Contractor	per 200,000 hrs worked			SHS-3 - C1	0.07	0.06	0.10	0.07	0.04
Refining	per 200,000 hrs worked			SHS-3 - C1	0.07	0.04	0.04	0.05	0.04
Employee	per 200,000 hrs worked			SHS-3 - C1	0.07	0.07	0.07	0.07	0.05
Contractor	per 200,000 hrs worked			SHS-3 - C1	0.07	0.02	0.02	0.03	0.03
MPLX	per 200,000 hrs worked			SHS-3 - C1	0.23	0.19	0.20	0.17	0.22
Employee	per 200,000 hrs worked			SHS-3 - C1	0.36	0.25	0.19	0.22	0.34
Contractor	per 200,000 hrs worked			SHS-3 - C1	0.08	0.14	0.21	0.14	0.07
Retail	per 200,000 hrs worked			SHS-3 - C1	1.10	0.97	1.20	0.87	0.94
Employee	per 200,000 hrs worked			SHS-3 - C1	1.10	0.98	1.20	0.87	0.94
Contractor	per 200,000 hrs worked			SHS-3 - C1	1.32	0.00	0.00	0.00	0.00
Total Count of Health Illnesses⁽²⁷⁾									
Total Company	count		403-10					0	36
Process Safety Performance									
Process Safety Event Rate - Tier 1 Refining	(total tier 1 count/total work hrs) × 200,000	EM-RM-540a.1	OG-13	SHS-6 - C1	0.04	0.05	0.05	0.04	0.04
Process Safety Event Rate - Tier 1 MPLX	(total tier 1 count/total work hrs) × 200,000		OG-13	SHS-6 - C1	0.00	0.05	0.07	0.08	0.07
Process Safety Event Rate - Tier 2 Refining	(total tier 2 count/total work hrs) × 200,000	EM-RM-540a.1	OG-13	SHS-6 - A1	0.16	0.15	0.16	0.18	0.08
Process Safety Event Rate - Tier 2 MPLX	(total tier 2 count/total work hrs) × 200,000		OG-13	SHS-6 - A1	0.06	0.14	0.14	0.11	0.17

Governance Performance

Metric	Unit of Measure	SASB Map	GRI Map	IPECA Map	2016	2017	2018	2019	2020
Governance									
Board Composition - Independent Directors	%			GOV-1 - A1				92	92
Board Composition - Independent Directors	count			GOV-1 - A1				11	11
Board Composition - Board Diversity (women + ethnic minorities)	%		405-1	GOV-1 - A1				33	33
Board Composition - Women	count		405-1	GOV-1 - A1				2	2
Board Composition - Ethnic Minorities	count		405-1	GOV-1 - A1				3	3
Board Experience - Significant Refreshment Since 2017	%			GOV-1 - A1				50	50
Total Amount of \$ Losses from Legal Proceedings Associated with Federal Pipeline and Storage Regulations	\$ million	EM-MD-520a.1						0	1.29
Total Amount of \$ Losses from Legal Proceedings Associated with Price Gouging, Price Fixing or Price Manipulation ⁽²⁸⁾	\$ million	EM-RM-520a.1						22.5	0
Cybersecurity									
MPC Email Account Holders Receiving Phishing Simulations (including Speedway)	count							32,000	36,228
MPC Email Account Holders Receiving Phishing Simulations (including Speedway)	%							100	100

Notes

- (1) As reported in the MPC 2020 Annual Report on Form 10-K for 2020 data. As a result of the agreement to sell Speedway, its results are reported separately as discontinued operations. Previous years' data is as reported in the MPC 2019 Annual Report on Form 10-K.
- (2) Based on the American Petroleum Institute's definition of environmental expenditures.
- (3) These amounts include spending charged against remediation reserves, where permissible, but exclude non-cash provisions recorded for environmental remediation.
- (4) 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.
- (5) No significant difference between total addressable market and market Marathon serves.
Non-revenue generating initiatives to commercialize biofuels.
MPC has participated in numerous precompetitive research projects around biofuels, including:
- Coordinating Research Council - nonprofit organization that directs engineering and environmental studies on the interaction between automotive/other mobility equipment and petroleum products.
 - U.S. DRIVE Fuels Working Group - researching higher levels of biofuels into gasolines. U.S. DRIVE is a voluntary government-industry partnership focused on advanced automotive and related energy infrastructure technology research and development.
- Virent collaborates with many key industry and government partners around advanced biofuels:
- Synthetic Aromatic Kerosene (SAK) – working with key partners such as the Federal Aviation Administration, University of Dayton Research Institute, Air Force Research Lab, GE Aviation, ASTM, and others on the production and certification of SAK for use as a sustainable aviation fuel.
 - Renewable Gasoline – working with key partners such as Southwest Research Institute, Johnson Matthey and Cargill on the production and distribution of renewable gasoline.
 - Distillate Fuels from Biomass – working with the University of Colorado-Boulder in partnership with the National Renewable Energy Laboratory (NREL) and Royal Dutch Shell on the production of distillate fuels from woody biomass.
 - Conversion Process for Lignocellulosic Feedstocks: Virent's BioForming technology's current focus is on using sugars from commercial crops to enable faster commercialization of advanced biofuels such as renewable gasoline, SAK and diesel blendstocks, and to provide a pathway for commercializing conversion processes for lignocellulosic feedstocks and cellulosic sugars. Current and prior development activities include work with a number of industry and government partners developing cellulosic sugar technologies, as well as the development of Virent's proprietary lignocellulosic conversion technology under competitive grant awards from the US DOE, USDA, DOT and Commerce and in collaboration with various National Laboratories, universities, and Wright Patterson Air Force Base.
- (6) Environmental performance reported for facilities of which MPC has operational control.
- (7) Scope 1 direct GHG emissions include those from Refining, MPLX and 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 February 2020.
- (8) Inclusive of carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and Sulfur Hexafluoride (SF₆). Hydrofluorocarbons (HFC), and perfluorocarbons (PFC) emissions are considered to not be material to our operations and are therefore excluded.
- (9) The Martinez and Los Angeles refineries are currently subject to the California Cap-and-Trade Program.
- (10) MPLX emissions data includes emissions from all midstream facilities and, as such, a small amount of MPLX reported emissions are from MPC-owned midstream facilities.
- (11) Location-based Scope 2 emissions that include indirect GHG emissions from consumption of purchased electricity, heat or steam.
- (12) See page 7 and 8 of MPC's and MPLX's [June 2021 Perspectives on Climate-Related Scenarios report](#) for an explanation of Scope 3 emissions.
- (13) Over 99% of the natural gas and 97% of the NGLs processed through our MPLX assets are not owned or marketed by MPLX. Scope 3 emissions from processed volumes owned by third parties were 188 million tonnes of CO₂e in 2019 and 191 million tonnes of CO₂e in 2020.

Notes continued

- (14) As reported in the Toxic Release Inventory (TRI) Program.
- (15) 2020 water recycle data not comparable to prior years due to enhanced water accounting that arose from the Focus on Water program that was launched in 2020.
- (16) The legal or regulatory frameworks used to define hazardous waste and recycled hazardous waste is 40 CFR 260-261.
- (17) Volume of spills in Unusually Sensitive Areas is inclusive of PHMSA-reportable spills only.
- (18) MPC conforms to inspection frequency requirements contained in 40 CFR 195.452(j)(3). Non-regulated pipelines are not included. Metric reflects % of natural gas pipelines or hazardous liquid pipelines inspected that were scheduled to be inspected in 2020. This equates to 18.1% of our natural gas pipelines and 19.3% of our hazardous liquid pipelines.
- (19) 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. Andeavor assets included in 2018.
- (20) The USGS Protected Areas Database v.2.1 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 Service (FWS) Critical Habitat, US FWS National Wildlife Refuge and US Endangered Species Habitat data sets were 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.
- (21) Includes land impacted during the 2020 reporting year. Disturbed land is defined as that which required regulatory review and subsequent permitting (1 acre or greater) OR was identified within an otherwise environmentally sensitive area. Disturbed land does not include either (1) previously disturbed agricultural fields, (2) pipeline work on our current (previously disturbed) right-of-way, or (3) right-of-way maintenance vegetation clearing on previously disturbed land required by PHMSA to enable aerial pipeline inspections.
- (22) Includes Marathon Petroleum Foundation dollars.
- (23) To present comparable year over year data, the data presented for Count of Safety Incidents does not include COVID-19 cases that MPC conservatively recorded as work-related. Including these cases Refining Count of Employee Safety Incidents is 44, MPLX Count of Employee Safety Incidents is 92, and Retail Count of Safety Incidents is 557.
- (24) To present comparable year over year data, the data presented for Fatalities does not include COVID-19 cases that MPC conservatively recorded as work-related. Including these cases Total Company Employee Fatalities is 1 and Total Company Employee Fatality Rate is .004.
- (25) To present comparable year over year data, the data presented for OSHA Recordable Incident Rate does not include COVID-19 cases that MPC conservatively recorded as work-related. Including these cases Total Company (excluding retail) Employee OSHA Recordable Incident Rate is .60, Refining Employee OSHA Recordable Incident Rate is .39, MPLX Employee OSHA Recordable Incident Rate is 1.13, and Retail Employee OSHA Recordable Incident Rate is 1.76.
- (26) To present comparable year over year data, the data presented for Days Away does not include COVID-19 cases that MPC conservatively recorded as work-related. Including these cases Total Company (excluding retail) Employee Days Away is .31, Refining Employee Days Away Rate is .26, MPLX Employee Days Away Rate is .49, and Retail Employee Days Away Rate is 1.04.
- (27) Total Count of Health Illnesses include COVID-19 related health illnesses.
- (28) In May 2007, the Kentucky attorney general filed a lawsuit against MPC and Speedway LLC in state court in Franklin County, Kentucky, for alleged violations of Kentucky's emergency pricing and consumer protection laws following Hurricanes Katrina and Rita in 2005. The lawsuit alleged that we overcharged customers by \$89 million USD during September and October 2005. The complaint sought disgorgement of these sums, as well as penalties, under Kentucky's emergency pricing and consumer protection laws. In May 2011, the Kentucky attorney general amended his complaint to include a request for immediate injunctive relief as well as unspecified damages and penalties related to our wholesale gasoline pricing in April and May 2011 under statewide price controls that were activated by the Kentucky governor on April 26, 2011 and which have since expired. The court denied the attorney general's request for immediate injunctive relief. In July 2019, MPC and the attorney general reached a settlement to resolve this litigation, which included a payment of \$22.5 million USD. We disputed the allegations made against us by the attorney general's office and expressly denied any liability, wrongdoing or violation of the law. With this resolution the attorney general's office acknowledged no admission of liability or wrongdoing. Press releases on this settlement by both MPC and the Kentucky attorney general's office can be found at <http://ir.marathonpetroleum.com/file/Index?KeyFile=398985240> and <https://kentucky.gov/Pages/Activity-stream.aspx?n=AttorneyGeneral&prId=807>, respectively. We recommended that settlement funds be used for the purpose of improving rural roads, navigable waterways, and/or emergency management to mitigate the impact of weather events.

Glossary

AFPM: American Fuel & Petrochemical Manufacturers

API: American Petroleum Institute

BBL: Barrel — 42 U.S. gallons

BIODIESEL: 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.

BIOFUELS: 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.

BIPOC: Black, Indigenous and People of Color

BLM: U.S. Department of the Interior Bureau of Land Management

BOE: Barrel of oil equivalent — a unit of energy based on the energy released by burning one barrel of crude oil or 5.8 million British thermal units.

BPD: Barrels per day

BPCD: Barrels per calendar day — the average of how much crude oil or other feedstock a refinery processes over a period of time, divided by the number of days in that period, typically 365 days (a common rate measure for petroleum refineries).

CERT: Corporate Emergency Response Team — a highly trained group of MPC professionals across the company with nationally recognized response expertise.

CO₂: Carbon dioxide

CO₂E: Carbon dioxide equivalent — a common unit of measurement converting all greenhouse gases to carbon dioxide. MPC calculates CO₂e emissions using the EPA factors identified in Table A-1 at 40 CFR Part 98.

DEI: Designated Environmental Incident — a metric adopted by MPC and MPLX to capture several categories simultaneously. It includes releases to the environment (including to air, land or water), permit exceedances and agency enforcement actions. MPC and MPLX rank 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

- Release of oil or other hazardous material onto the land greater than or equal to 1,000 bbl
- Release of oil or other hazardous material to a regulated water body greater than or equal to 100 bbl
- Reportable release to air of a hazardous material greater than or equal to 100 times the reportable quantity

TIER 3

- Release of oil or other hazardous material onto the land greater than or equal to 100 bbl but less than 1,000 bbl
- Release of oil or other hazardous material to a regulated water body greater than or equal to 10 bbl but less than 100 bbl
- 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

TIER 2

- Release of oil or other hazardous material onto the land greater than or equal to 10 bbl but less than 100 bbl
- Safety system failure or bypass
- Release of oil or other hazardous material into a regulated water body greater than or equal to 1 bbl but less than 10 bbl
- Release to air of a hazardous material greater than or equal to 80% of a reportable quantity but less than an established reportable quantity

TIER 1

- Release of oil or other hazardous material onto the land that is less than 10 bbl (if less than 1 bbl., release must also be reported)

ENERGY STAR®: A program of the U.S. Environmental Protection Agency recognizing energy efficiency. To achieve this status, applicants must perform in the top quartile for energy efficiency and have no unresolved environmental compliance actions from state or federal regulators.

EPA: The U.S. Environmental Protection Agency

ERM: Enterprise Risk Management

ESG: Environmental, social and governance

G&P: Gathering and Processing organization

GHG: Greenhouse gases, such as carbon dioxide and methane

GJ: Gigajoule — a measurement unit of energy. One gigajoule is roughly equivalent to 1 million British thermal units.

GRI: Global Reporting Initiative

HES&S: Health, Environment, Safety and Security

IPIECA: International Petroleum Industry Environmental Conservation Association

ISO 9001: International Organization for Standardization's quality management system criteria

MPC: Marathon Petroleum Corporation

MPL: Marathon Pipe Line LLC — a wholly owned subsidiary of MPLX that specializes in operating pipelines, storage tanks and marine facilities.

MPLX: A diversified, large-cap master limited partnership formed by Marathon Petroleum Corporation that owns and operates midstream energy infrastructure and logistics assets and provides fuel distribution services.

OEMS: MPC's Operational Excellence Management System — a framework used to manage work and achieve health, environmental, safety, security, product quality and sustainability goals in an intentional and continual manner.

OSHA: The U.S. Occupational Safety and Health Administration

OSHA RECORDABLE INCIDENT: 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.

PSE: Process safety event — an unplanned or uncontrolled release of a material from a process. Tier 1 PSEs, which we report in this publication, are the most serious PSEs. Below are detailed descriptions of the PSE Tiers:

TIER 1

- Loss of primary containment (LOPC) exceeding Tier 1 threshold quantity
- LOPC resulting in a fatality, lost time injury, community evacuation or shelter-in-place
- LOPC with fire or explosion damage > \$100,000

TIER 2

- LOPC exceeding Tier 2 threshold quantity
- LOPC resulting in a recordable injury
- LOPC with fire or explosion damage > \$2,500

RC14001®: A management system that combines Responsible Care with the globally recognized ISO 14001 environmental management system, established by the International Organization for Standardization.

RENEWABLE DIESEL: 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.

SASB: Sustainability Accounting Standards Board

SCOPE 1 EMISSIONS: All direct greenhouse gas emissions by a company. This includes fuel combustion, company vehicles and fugitive emissions.

SCOPE 2 EMISSIONS: Indirect greenhouse gas emissions from consumption of purchased electricity, heat or steam.

SCOPE 3 EMISSIONS: Other indirect greenhouse gas emissions that occur in a company's value chain that are not captured by Scope 2.

TONNE: Metric ton — 2,205 pounds



Pictured: MPC employees plant cord grasses to protect eroding shoreline at the Texas City Prairie Preserve.

Forward-Looking Statements

This publication includes forward-looking statements that are subject to risks, contingencies or uncertainties. You can identify our forward-looking statements by words such as “anticipate,” “believe,” “commitment,” “could,” “design,” “estimate,” “expect,” “forecast,” “goal,” “guidance,” “imply,” “intend,” “may,” “objective,” “opportunity,” “outlook,” “plan,” “policy,” “position,” “potential,” “predict,” “priority,” “project,” “proposition,” “prospective,” “pursue,” “seek,” “should,” “strategy,” “target,” “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 business and industry. 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. Material differences between actual results and any future performance suggested in our forward-looking statements could result from a variety of factors, many of which are beyond our control, including without limitation the risks and uncertainties discussed under “Disclosures Regarding Forward-Looking Statements” and “Risk Factors” in our annual report on Form 10-K for the year ended Dec. 31, 2020, quarterly Form 10-Q filings and other filings made with the SEC from time to time; the effects of any divestitures on the business or our financial condition, results of operations and cash flows; consumer demand for refined products and renewable fuels; the success or timing of completion of ongoing or anticipated capital or maintenance projects, including the potential conversion of the Martinez Refinery to a renewable fuels facility; the receipt of relevant third party and/or regulatory approvals; our ability to successfully implement our sustainable energy and emission reduction principles, strategies, initiatives and targets, including our GHG intensity, methane intensity and freshwater withdrawal intensity targets, and realize the expected benefits thereof; the development and competitiveness of sustainable energy and emission reduction technologies; unforeseen technical or operating difficulties; general economic, political or regulatory developments, including changes in governmental policies relating to refined petroleum products, crude oil, natural gas or NGLs, regulation or taxation and other economic and political developments (including those caused by public health issues and outbreaks); and compliance with federal and state environmental, economic, health and safety, energy and other policies and regulations, including the cost of compliance with the Renewable Fuel Standard, and/or enforcement actions initiated thereunder. MPC undertakes no obligation to update any forward-looking statement except to the extent required by applicable law. Copies of MPC’s Form 10-K, Forms 10-Q and other SEC filings are available on the SEC’s website, MPC’s website at <https://www.marathonpetroleum.com/Investors/> or by contacting MPC’s Investor Relations office.