

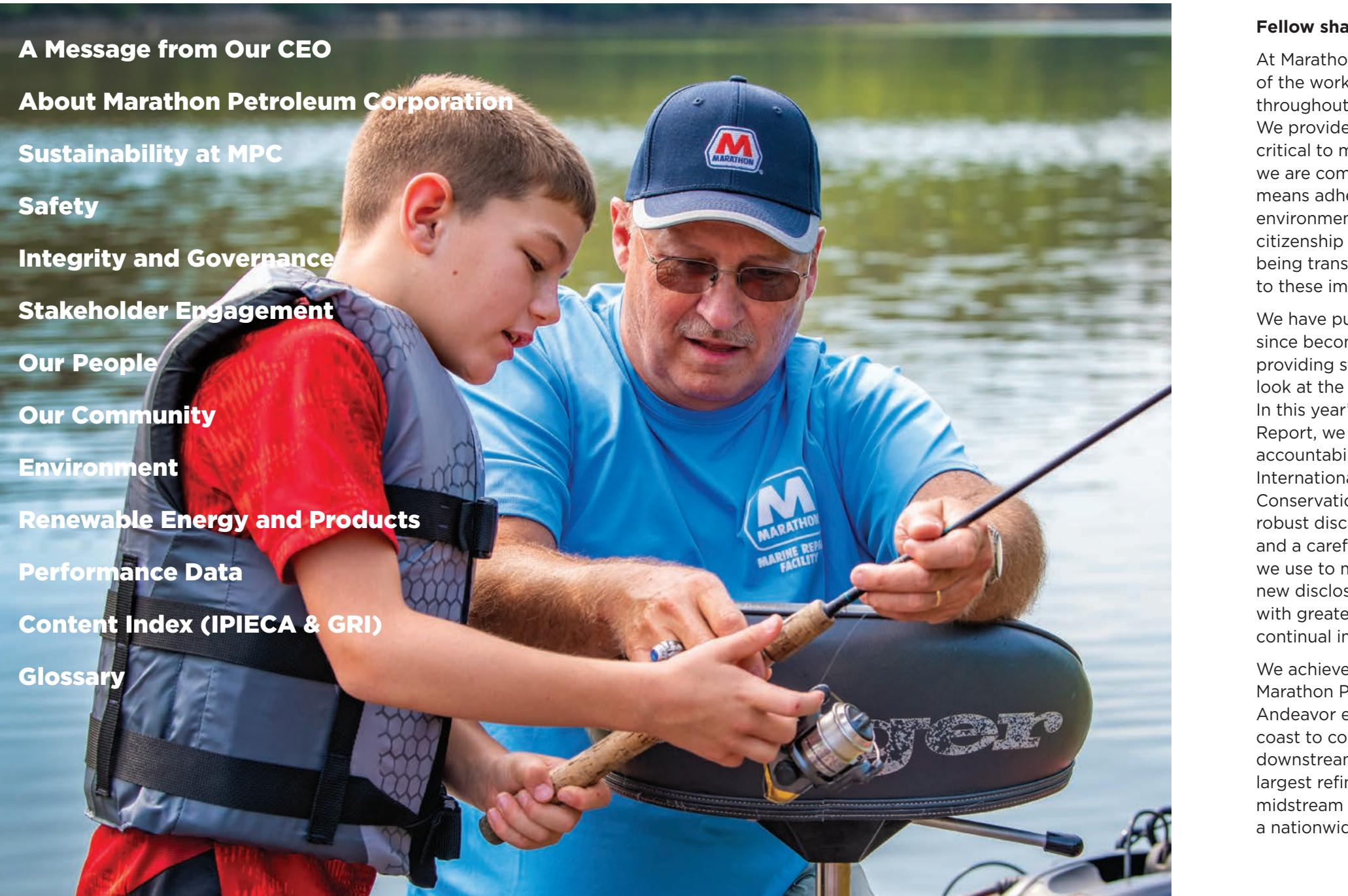


Marathon  
Petroleum Corporation

# 2018 SUSTAINABILITY REPORT

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# A Message from Our CEO

## Fellow shareholders, friends and neighbors,

At Marathon Petroleum Corporation, we are proud of the work we do to enhance life's possibilities throughout our nation and around the world. We provide energy and other products that are critical to millions of people's daily lives, and we are committed to doing it responsibly. That means adhering to our values of health and safety, environmental stewardship, integrity, corporate citizenship and an inclusive culture. It also means being transparent about our performance related to these important values.

We have published our annual Citizenship Report since becoming an independent company in 2011, providing stakeholders like you with an in-depth look at the many ways we live up to our values. In this year's report, renamed our Sustainability Report, we are bringing you an enhanced level of accountability by using reporting standards of the International Petroleum Industry Environmental Conservation Association. You will find here a more robust discussion of our corporate governance and a careful focus on the processes and programs we use to manage our performance. Through this new disclosure, our objective is to provide you with greater insight about how we work toward continual improvement.

We achieved a significant milestone in 2018, as Marathon Petroleum's strategic combination with Andeavor expanded our operational footprint from coast to coast. We are now a leading integrated, downstream energy company operating the nation's largest refining system. We are one of the largest midstream operators in North America and have a nationwide retail and marketing business.

As the world's need for reliable, affordable, plentiful energy continues to grow, our expanded scale gives us the opportunity to create shared value with so many more of our neighbors, communities and fellow human beings around the world.

In this report, you'll read about how we manage, measure and continually improve our safety performance and environmental stewardship, changes we are making to enhance our community involvement, and progress we are making toward ever greater diversity and inclusion. Our performance in these areas is top-down: driven, executed and monitored by our Board of Directors and Executive Leadership Team; and bottom-up: a result of our thousands of employees' enthusiasm and dedication to the values that make us successful.

Our success would not be possible without those of you who have a stake in our company's operations - whether you are one of our neighbors, an employee, a business partner, customer, appointed or elected official, or a shareholder. I thank you for your interest in Marathon Petroleum Corporation, and encourage you to read this report to learn more.

Sincerely,

Gary R. Heminger  
Chairman and Chief Executive Officer



# About Marathon Petroleum Corporation

## 2018 by the Numbers

### ENVIRONMENTAL STEWARDSHIP



Reduced direct and energy indirect GHG emissions intensity by **2%** in 2018

Reduced our criteria pollutant intensity by **10%** and overall criteria pollutant emissions by **7%**

Reduced freshwater withdrawal intensity **16%** since 2014

Owns and manages **1,347 acres** of wildlife habitat certified by the Wildlife Habitat Council

### OUR PEOPLE



Recognized by Forbes as one of **America's Best Employers for Diversity**

Achieved a score of **85%** on the Human Rights Campaign Foundation's 2018 Corporate Equality Index

### OUR COMMUNITY



### Partnered with and contributed to

local and national organizations such as the United Way, Children's Hospital of San Antonio, American Red Cross, Boys & Girls Clubs of America, Girl Scouts of the USA, Children's Miracle Network Hospitals and Ronald McDonald House Charities

### SAFETY AT OUR CORE



Reduced the number of personal safety incidents by **8%** in 2018 across our Refining operations

### AWARDS AND RECOGNITION



**74%** of the **EPA's ENERGY STAR®** recognitions awarded to refineries, more than all U.S. refiners combined

American Fuel & Petrochemical Manufacturers (AFPM) **Elite Silver Safety Award** at three of our refineries

Voluntary Protection Program **Star Site designation**, OSHA's highest status, at 18 facilities

2018 and 2019 **EPA ENERGY STAR Partner of the Year**, the only refining company to earn the award those years

## About Marathon Petroleum Corporation

Marathon Petroleum Corporation (MPC) is the largest petroleum refiner in the U.S., with more than 3 million barrels per day of crude oil capacity in our 16-refinery system. Our core values of health and safety, environmental stewardship, integrity, corporate citizenship, and an inclusive culture help drive the success of our fully integrated system.

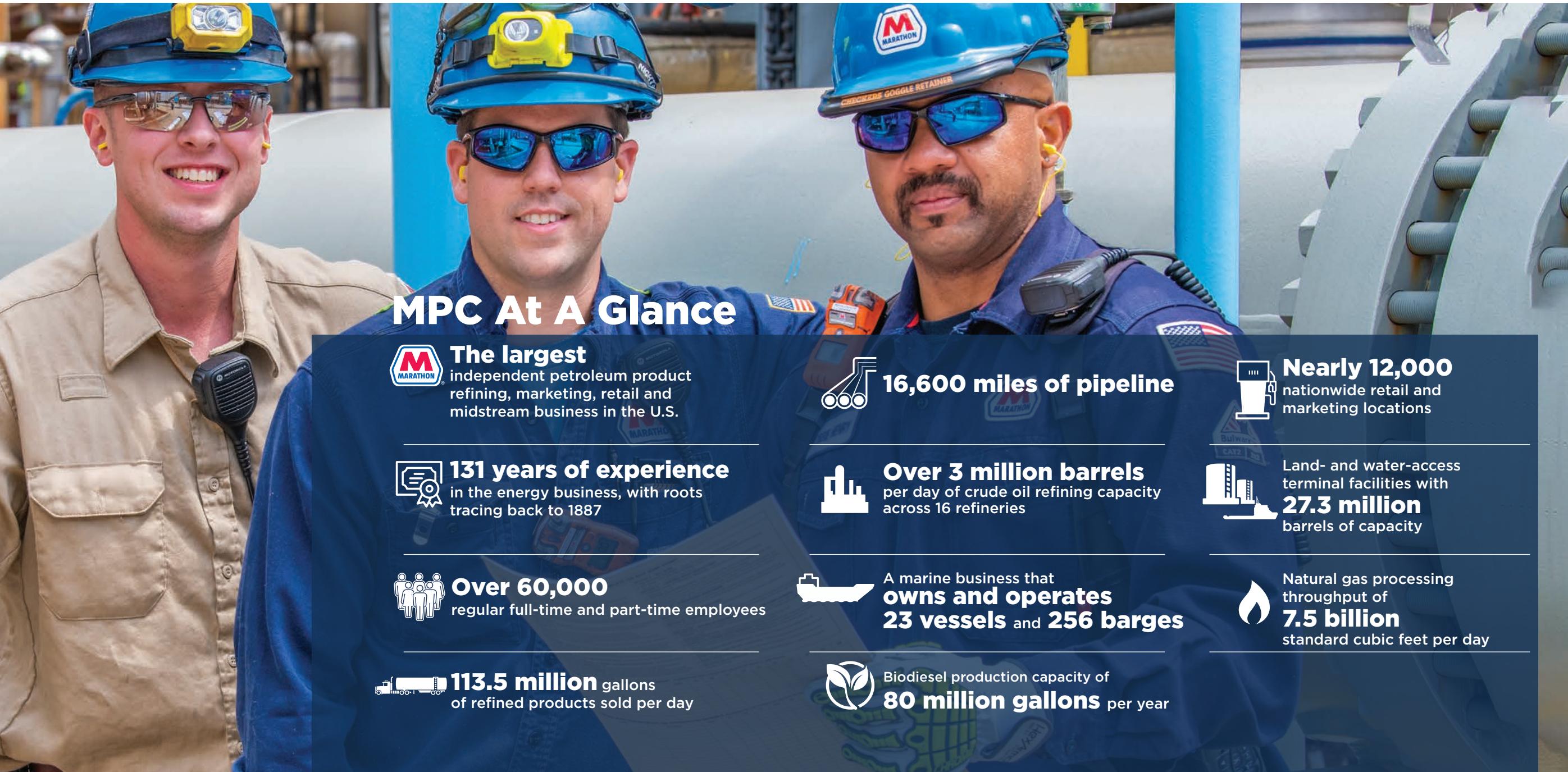
In 2018, MPC strategically combined with another independent refiner, Andeavor, which significantly expanded our footprint across key markets, enhanced our midstream footprint in the Permian and Bakken basins, and created our nationwide retail and marketing portfolio. This strategic combination has allowed us to continue our journey of building a valued, dynamic energy company that enhances life's possibilities, while anchored in our core values. Today, we are the largest refining company in the U.S., doing business through our subsidiaries in 41 states and the District of Columbia; the Mexican states of Baja California, Sonora and Sinaloa; and with trading operations in Canada and Singapore.

Our 12,000 retail and marketing locations include our branded retail outlets across the U.S. and in Mexico, and Speedway LLC, an MPC subsidiary,

which owns and operates retail convenience stores nationwide. Our 16 refineries are linked to this retail and marketing system through a robust distribution network and midstream service business. MPC's midstream business includes its ownership of the general partner and majority limited partner interests in MPLX LP, which owns and operates natural gas gathering, processing and fractionation assets, as well as crude oil and light product transportation and logistics infrastructure.

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

We have a growing renewable energy portfolio, including our biodiesel facility in Cincinnati, Ohio; joint-venture ownership of three Midwest ethanol plants; ongoing conversion of one of our petroleum refineries to produce renewable diesel; and our wholly owned subsidiary, Virent, that produces advanced biofuels from plant sugars and lignocellulosic materials.



## MPC At A Glance

**The largest** independent petroleum product refining, marketing, retail and midstream business in the U.S.

**16,600 miles of pipeline**

**Over 3 million barrels** per day of crude oil refining capacity across 16 refineries

**Over 60,000** regular full-time and part-time employees

**113.5 million gallons** of refined products sold per day

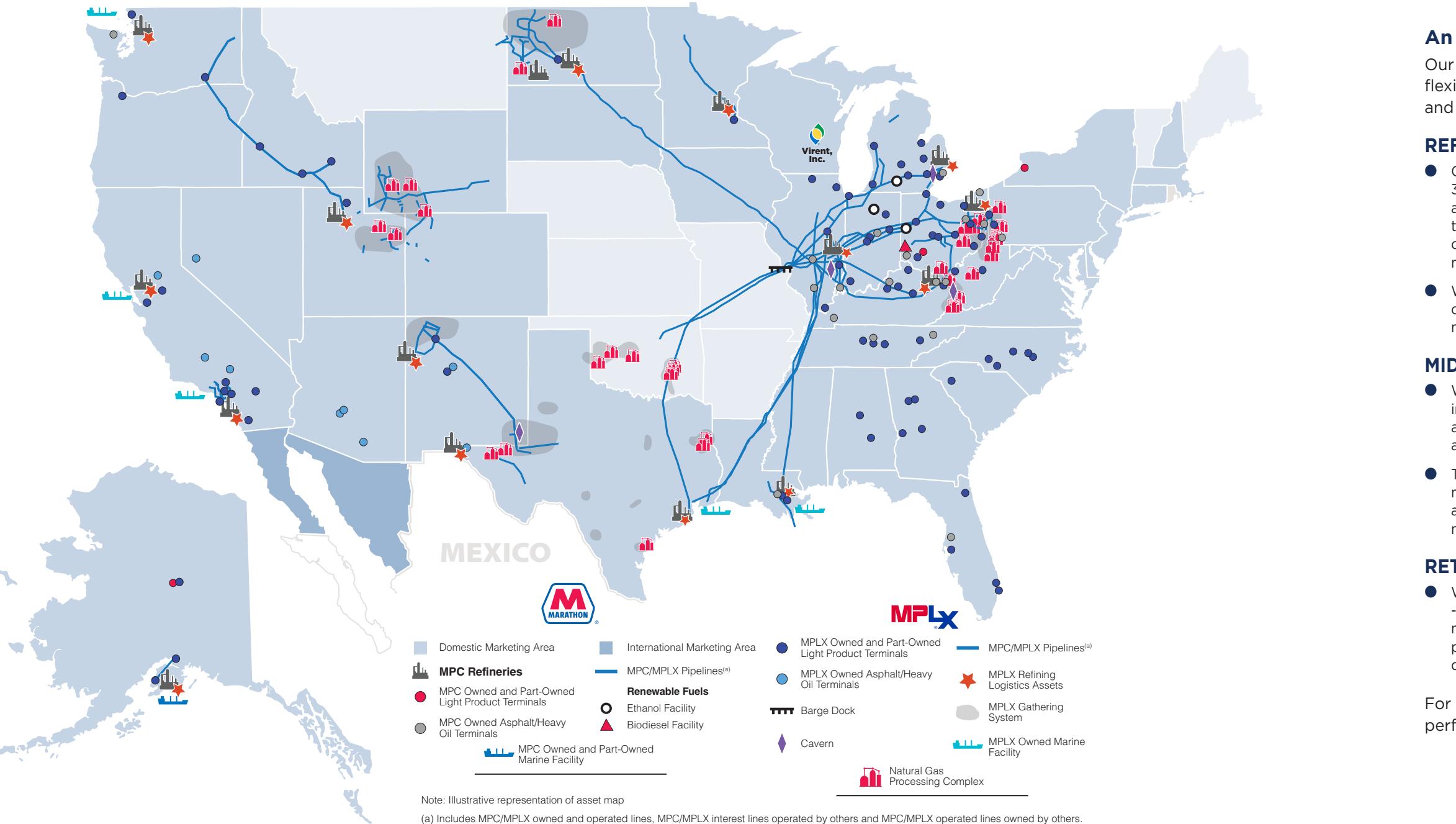
**Nearly 12,000** nationwide retail and marketing locations

**Land- and water-access terminal facilities with 27.3 million barrels of capacity**

**A marine business that owns and operates 23 vessels and 256 barges**

**Biodiesel production capacity of 80 million gallons per year**

**7.5 billion** standard cubic feet per day



# Sustainability at MPC

## ABOUT THIS REPORT

This 2018 Sustainability Report, published October 2019, is MPC's eighth annual Citizenship Report and covers our safety, governance, social and environmental activities, initiatives, and performance for calendar year 2018. Last year's Citizenship Report covering calendar year 2017 can be found online at <https://www.marathonpetroleum.com/Responsibility/Corporate-Citizenship/> and Andeavor's 2017 Sustainability Report can be found online at [https://www.marathonpetroleum.com/content/documents/Andeavor\\_2017\\_SR\\_FINAL\\_Web.pdf](https://www.marathonpetroleum.com/content/documents/Andeavor_2017_SR_FINAL_Web.pdf).

This report has been developed in accordance with the International Petroleum Industry Environmental Conservation Association (IPIECA) Sustainability Reporting Guidance. It is also largely informed by the Global Reporting Initiative (GRI) Standards, which were used to guide the materiality and stakeholder engagement process and narrative development of our management approach.

The information and data in this report covers all MPC and legacy Andeavor entities, including Andeavor Logistics LP, Speedway LLC and MPLX LP for the calendar year 2018, unless otherwise indicated. Data included has been reviewed by MPC's Internal Audit organization.

Through our Perspectives on Climate-Related Scenarios report, we continue to provide a risk assessment that follows guidelines set forth by the Financial Stability Board's Task Force on Climate-Related Financial Disclosure (TCFD). Our third Perspectives report is available on our website.

We encourage open dialogue and any feedback that can help to inform and improve our immediate and long-term sustainability performance. The contact for this report can be reached at [sustainability@marathonpetroleum.com](mailto:sustainability@marathonpetroleum.com).



## ACHIEVING SUSTAINABILITY THROUGH SHARED VALUE

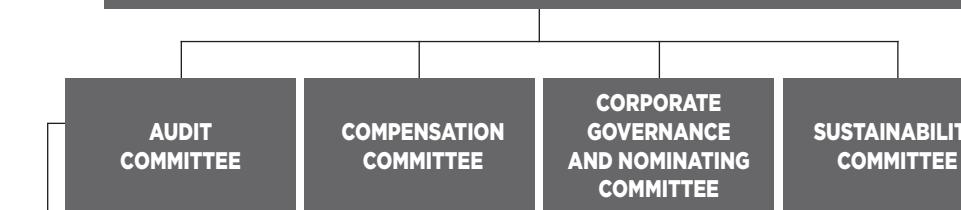
We view sustainability as our environmental, social and economic responsibility. We believe that sustainability is a fundamental process of shared-value creation, in which strategic investment and innovation help our society achieve economic growth, environmental preservation and resource conservation. This shared value helps ensure the social and economic needs of future generations are met.

## BOARD OVERSIGHT AND RESPONSIBILITY

Achieving shared value and ensuring we operate our business in a responsible and sustainable manner is not only the responsibility of our tens of thousands of employees and business partners through their daily decisions and actions, it also comes from the top. Oversight by our Board of Directors supports strong corporate governance. In late 2018, our Board established a board-level Sustainability Committee. This committee oversees our health, environmental, safety and security policies, plans, programs and practices, and reviews our performance and public reporting on these matters. The committee reviews our annual Sustainability Report and our Perspectives on Climate-Related Scenarios report, and oversees our management team's efforts on contingency planning, emergency response activities and stakeholder engagement. It also provides oversight on a variety of environment, social and governance (ESG) topics.

More information on our Board's Sustainability Committee and its responsibilities, as well as our executive leadership committees, can be found in our 2019 Proxy Statement and 2019 Perspectives on Climate-Related Scenarios report.

## MARATHON PETROLEUM CORPORATION BOARD OF DIRECTORS



**AUDIT COMMITTEE:** Assists our Board in fulfilling its oversight responsibilities by regularly reviewing risks associated with financial and accounting matters, as well as those related to financial reporting. In this regard, our Audit Committee monitors compliance with regulatory requirements and internal control systems. Our Audit Committee also reviews the process by which Enterprise Risk Management is undertaken by the company.

**COMPENSATION COMMITTEE:** Assists the Board with risk oversight through its review of compensation programs to help ensure such programs do not encourage excessive risk-taking. The Compensation Committee reviews base compensation levels, incentive compensation and succession plans to confirm the company has appropriate practices in place to support the retention and development of the employees necessary to achieve the company's business goals and objectives.

**CORPORATE GOVERNANCE AND NOMINATING COMMITTEE:** Develops and oversees our Corporate Governance Principles and reviews the qualifications and makeup of the Board and candidates for the Board. Assists the Board with risk oversight by reviewing shareholder communications and other initiatives related to ESG issues.

**SUSTAINABILITY COMMITTEE:** Reviews the company's strategy on climate change and other ESG-related issues. Assists the Board in fulfilling its risk oversight responsibilities in matters relating to the health, environment, safety and security of personnel and physical assets, and oversees our Perspectives on Climate-Related Scenarios report and our annual Sustainability Report.

## REGULATION AND COMPLIANCE

We are required to comply with regulations governing safety, environment, workers' rights, equal employment opportunity, human rights and social justice.

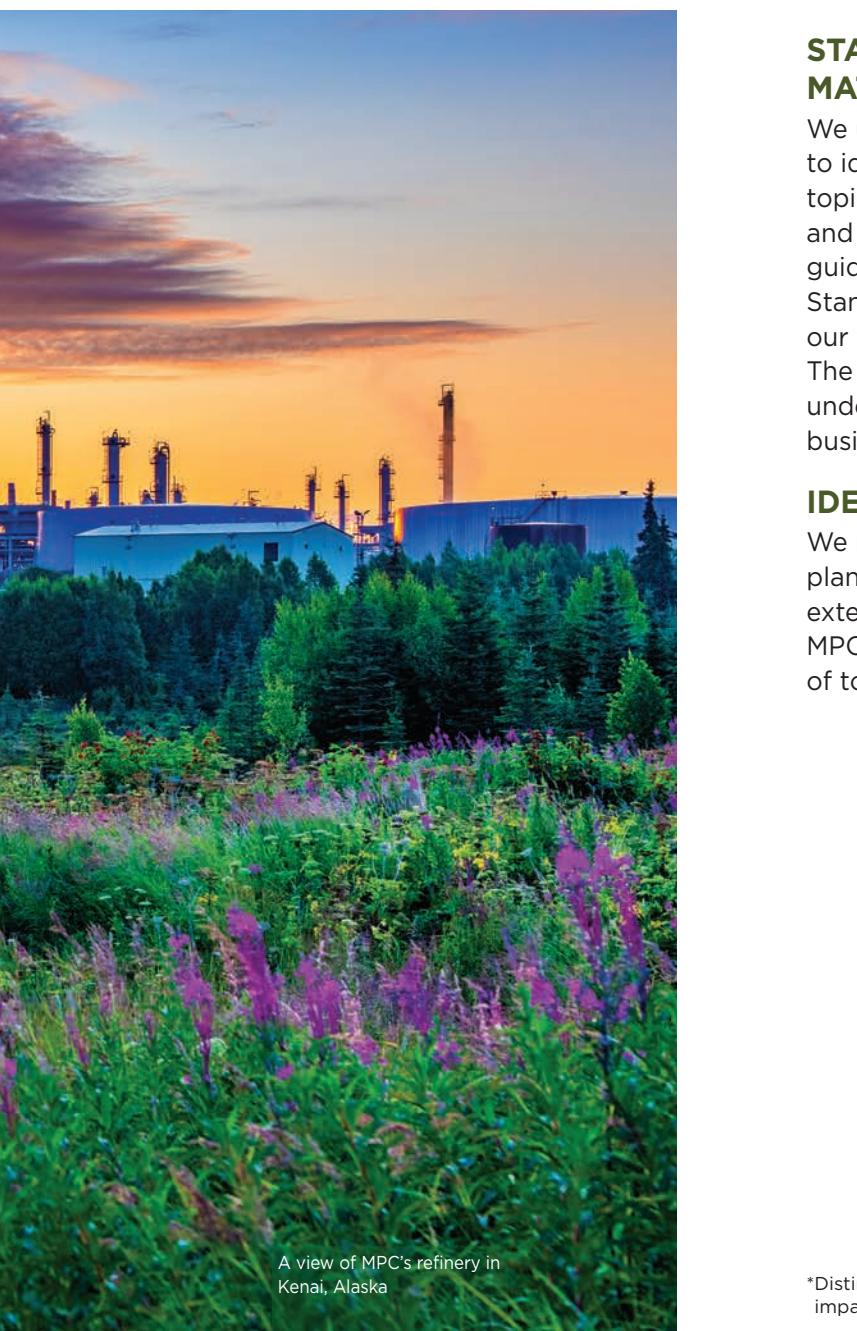
Our operations, assets and processes require specialized knowledge, advanced operating procedures and a commitment to excellence to ensure safety and maximize environmental stewardship. Our approach to sustainability is defined by not only the work we do to conform and comply with all laws and regulations, but also by our drive to meet or exceed our own rigorous environmental and safety targets.

## DRIVING SUSTAINABILITY THROUGH OPERATIONAL EXCELLENCE

The combination of MPC and Andeavor in 2018 presented an unprecedented opportunity to integrate and combine two dynamic legacy management systems: MPC's RC14001® (Health, Environment, Safety and Security Management System) and Andeavor's Operational Excellence Management System (OEMS). This combination helps to ensure best practices for continual improvement of our operations and the availability, utilization, profitability and reliability of our assets. It also supports our ability to invest in communities, ensure risk governance, preserve the environment and conserve natural resources.

After more than 15 years of continual improvement under the Responsible Care® Management System, MPC adopted the RC14001® certification process in 2018 to further enhance and promote sustainable practices in our operations. RC14001 is a management system that combines Responsible Care® with the globally recognized ISO14001 environmental management system, established by the International Organization for Standardization (ISO). ISO is an independent, nongovernmental international body that provides specifications for products, services and systems that ensure quality, safety and efficiency. RC14001 provides us with a management system that integrates health, environmental stewardship, safety and security and is third-party audited to ensure compliance and continual improvement.

Throughout 2018, we worked to increase the number of sites certified to RC14001. Six refineries, Marathon Pipe Line and our Terminal, Transport and Rail organization have been certified to the standard.



## STAKEHOLDER ENGAGEMENT AND MATERIALITY ASSESSMENT\*

We undertook an in-depth materiality assessment to identify the environmental, social and governance topics that were most relevant to our company and our stakeholders. That materiality assessment, guided by the Global Reporting Initiative (GRI) Standards, informs the content of this report and our future sustainability strategy development. The outcome of this assessment was an enhanced understanding of the topics most significant to our business, the environment and society.

### PRIORITIZATION

The next step in our materiality assessment process was to engage more than 1,000 internal and external stakeholders to understand key focus areas and their priority across the economic, environmental and social aspects of our business. External stakeholders included community residents, Community Advisory Panels (CAPs), advocacy organizations, emergency responders, elected officials and regulators. For

### HIGH PRIORITY TOPICS

- Air Emissions**
- Anti-corruption Practices**
- Board and Executive Leadership Diversity**
- Climate-related Risks**
- Ethical Business Practices**
- Native Peoples Engagement**
- Oil Spill Prevention**
- Process Safety**
- Worker Safety**
- Workforce Diversity, Inclusion and Equal Opportunity**

### MODERATE PRIORITY TOPICS

- Community and Stakeholder Engagement**
- Endangered Species and Ecosystems**
- Employee and CEO Compensation**
- Philanthropic Investment and Employee Volunteerism**
- Sustainability Oversight**
- Waste Minimization and Handling**
- Water Use and Wastewater Management**

expectations and business. We also conducted industry and peer benchmarking to assess the sustainability strategies, priorities and actions taken by our industry; reviewed non-governmental organization (NGO) materials and advocacy campaigns; media coverage; trends in the regulatory environment; and shareholder feedback from our engagement initiatives. This external research helped inform the broader sustainability context in which we operate.

We then gathered feedback via in-depth surveys that asked stakeholders to indicate each topic's level of priority. Survey results, along with an internal assessment to better understand each topic's overall impact, were used to develop a prioritized list. High-priority and moderate-priority topics are listed below.

### VALIDATION

We reviewed, approved and validated our final prioritization of the material topics. Each topic is included in this report and can be found in our IPIECA (International Petroleum Industry Environmental Conservation Association) and Global Reporting Initiative (GRI) Index.

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

## Safety

The safety and well-being of our employees and contractors is our top priority and a core value. Our aim is to have an accident-free, incident-free workplace to ensure that everyone goes home safely every day. Therefore, we continuously evaluate and improve our personal and process safety procedures and diligently maintain our assets to reduce the risk of incidents. We also foster a strong safety culture across our company to ensure that our people are working toward this goal every day.

### SAFETY MANAGEMENT

Our Board's Sustainability Committee oversees matters relating to the health, safety and security of our employees and assets. Additionally, an executive Health, Environment, Safety and Security (HES&S) Management Committee meets quarterly and is responsible for evaluating performance and overseeing key health- and safety-related corporate policies. To read more about our HES&S management approach and systems, see Page 10 of this Report.

2018 was a year of significant growth and change for MPC as we strategically combined with Andeavor. We worked diligently to apply safety standards, expectations and consistent safety oversight across the newly combined organization. As part of our strategic combination, we also conducted thorough program and field assessments with defined plans for bringing the best of our two companies' standards together and establishing integration expectations.



## Personal Safety

Our personal safety standards comply with and often exceed local, state and federal regulations. Our employees and contractors are trained on our standards, and we conduct frequent audits and quality assurance visits to ensure compliance. Our safety culture is one that empowers everyone to create and maintain a safe and healthy workplace.

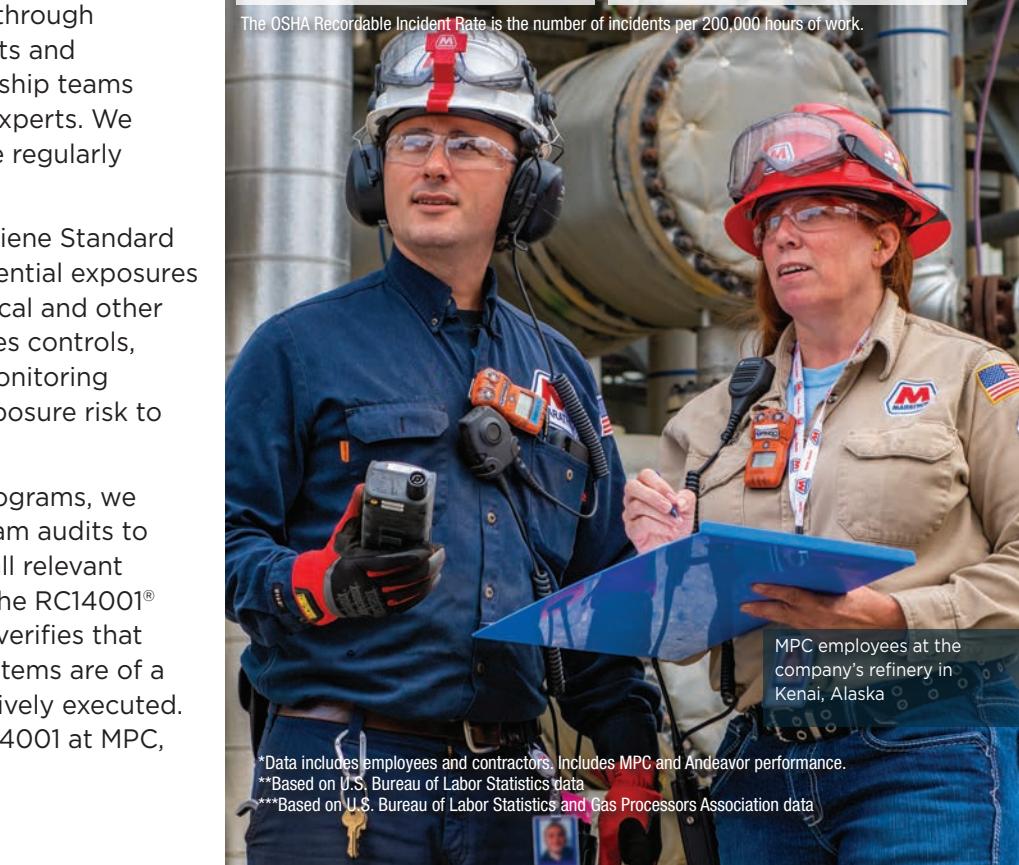
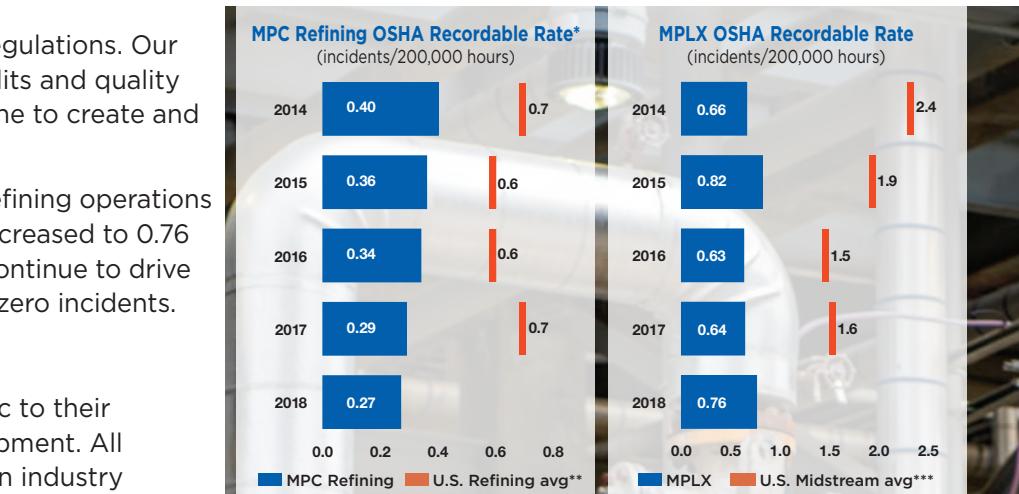
In 2018, we achieved our lowest combined OSHA recordable incident rate across our Refining operations since 2014: 0.27 per 200,000 hours worked. Our Midstream and Retail segment rates increased to 0.76 and 1.99, respectively, while both remained below industry average incident rates. We continue to drive for ongoing safety improvements in our Midstream and Retail segments, with a goal of zero incidents.

### LIFE CRITICAL STANDARDS

Our corporate approach to managing health and safety is designed to provide high-level requirements for the development of specific personal safety standards for various operating organizations and functions across our enterprise. We have extensive safety and environmental policies and procedures, including our Life Critical Standards, which address the personal safety hazards that can result in serious, or even fatal, injuries if not properly managed. Our Life Critical Standards include:

- HOT WORK: addresses work that introduces ignition sources, such as welding, torching and grinding in close proximity to flammable materials.
- CONFINED SPACE ENTRY: addresses work that requires personnel to enter confined spaces such as tanks and reactor vessels.
- ENERGY ISOLATION: ensures equipment is safe to perform invasive work or maintenance by ensuring employees are protected from the unexpected re-energization or release of stored energy.
- ELEVATED WORK: covers work that may be carried out at heights, including scaffolding, ladders and aerial-work platforms.

All of our operating organizations adopt the Life Critical Standards that are relevant to their operations and the type of work they perform, as well as detailed



## OUR CULTURE OF SAFETY

Promoting a culture of safety requires an environment where employees feel comfortable reporting safety concerns and potential hazards. That's why we impose strict policies prohibiting retaliation for good-faith reporting. Each of our business segments has specifically designed functions for reporting hazards and improvement suggestions so that employees have an anonymous channel for sharing comments and concerns. Such programs are also important to ensure we have employee feedback and input when it comes to strengthening our management approach and safety standards. In the most recent companywide employee survey, 92% of our employees agreed or strongly agreed that we have a favorable health, environment, safety and security culture.

## COLLABORATING WITH OSHA

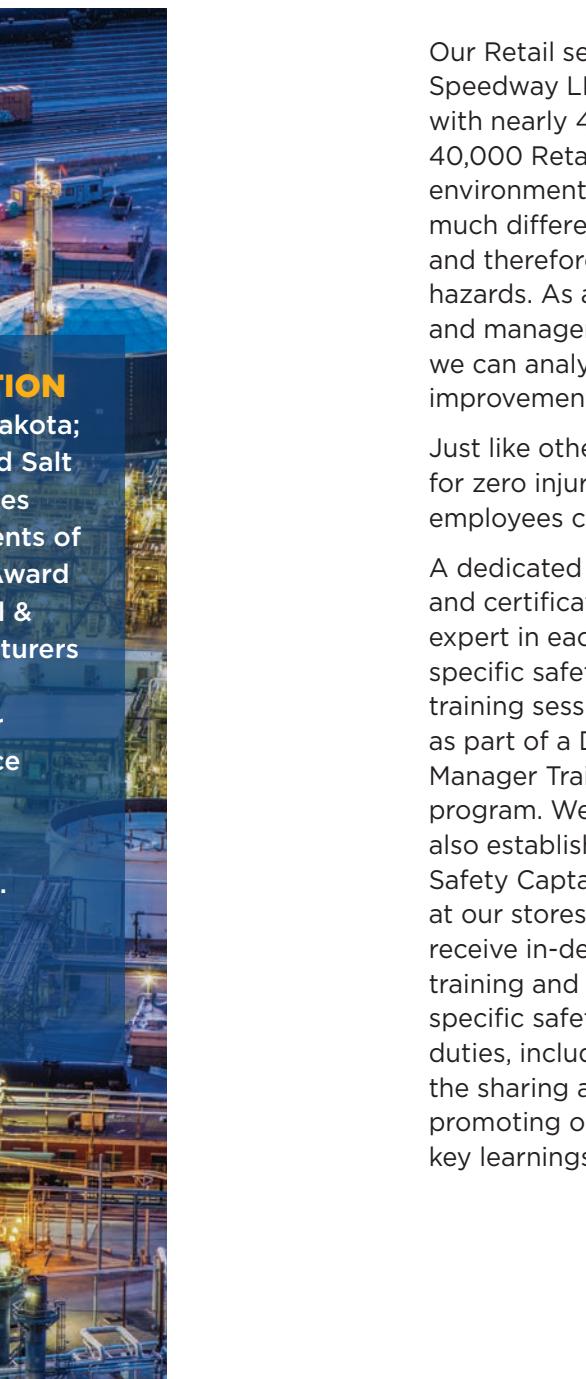


Working closely with others in our industry and regulators, such as OSHA, can help us all to create a safer workplace. OSHA's Voluntary Protection Program (VPP) recognizes employers and workers in private industry and federal agencies that have exemplary occupational safety and health performance and programs. To achieve VPP status, applicants must complete a rigorous application and inspection process by OSHA that can take years. There are three levels of designation: Demonstration, Merit and Star, which is the highest level.

## PROMOTING EMPLOYEE WELLNESS

Our approach to protecting our people goes well beyond safety. We know that active and engaged employees must also be mentally and physically healthy in order to do their best work in a safe and meaningful way. Our Health and Wellness program provides all employees across our company with programs and information to promote healthier lifestyles. In addition to wellness challenges and nutrition and exercise tips, the program also includes a cash stipend for completing a health assessment and an annual preventive physical, and other incentives. Essential to the program are our Wellness Champions, who are located across our facilities and offices to promote wellness among employees.

**By the end of 2018, 18 of our sites including our corporate headquarters, various refineries, terminals and MPLX locations, have achieved VPP Star status. Additional sites, are actively pursuing VPP Star status and are in various stages of the process. We have found that our VPP sites experience lower injury rates and benefit from an enhanced safety culture.**



## SAFETY RECOGNITION

Our Dickinson, North Dakota; Martinez, California; and Salt Lake City, Utah, refineries were among the recipients of the Elite Silver Safety Award from the American Fuel & Petrochemical Manufacturers Association. The award recognizes the superior 2018 safety performance of the top 5% of petroleum refining and petrochemical facilities. Our Dickinson refinery has won this award for two consecutive years.

## Retail Safety

Our Retail segment, including our subsidiary Speedway LLC, is a large component of our business, with nearly 4,000 convenience stores and more than 40,000 Retail employees nationwide in 2018. The environment in which our Retail employees work is much different than that of Refining and Midstream, and therefore presents a different set of workplace hazards. As a result, we track our Retail safety data and management approach separately so that we can analyze performance and make necessary improvements to protect our Retail employees.

Just like other aspects of our business, we strive for zero injuries in our Retail business so that our employees can go home safely every day.

A dedicated safety expert is responsible for training and certifications and serves as a subject matter expert in each region. Our district managers attend specific safety training sessions as part of a District Manager Training program. We have also established Safety Captains at our stores who receive in-depth training and have specific safety duties, including the sharing and promoting of safety key learnings.

**Retail OSHA Recordable Rate**  
(incidents/200,000 hours)



Data includes Andeavor Retail

\*Based on U.S. Bureau of Labor Statistics data



Employees of MPC subsidiary Speedway LLC

## Process Safety

Process safety means maintaining pipes, tanks, processing units, valves and other hardware so that they work as intended, keeping materials contained and our employees and communities safe. We proactively manage our process safety risk by following industry best practices and continuously improving our process safety management systems. Among these systems are:

- MECHANICAL INTEGRITY PROGRAM: Ensures equipment is proactively maintained in a safe and reliable manner to prevent operational failures that could impact the business, employees, contractors or the public.
- MANAGEMENT OF CHANGE: Ensures changes in equipment, operating parameters, materials and procedures are properly reviewed so that concerns related to safety and health, technical limitations and equipment design are assessed and addressed prior to implementation.
- SAFE WORK PRACTICES: Provide guidance for various safety-related tasks, including work permitting, hot work, energy isolation, confined space entry and opening process equipment or piping. The guidance is developed by each operating organization to ensure it is applicable to their operations.
- OPERATING PROCEDURES: Provide clear instructions on how to operate covered process equipment including startup, normal and abnormal operations, emergency conditions and shutdown. The procedures include considerations such as health and safety, operating limits and safety systems involved in the process.

In addition to these systems, we also conduct rigorous process safety assessments to identify risks and implement the appropriate safeguards, such as alarms, automated shutoff systems and relief devices. We classify process safety incidents using the guidelines set forth by the American Petroleum Institute (API) and track process safety consistent with API's Recommended Practices 754, Process Safety Performance Indicators for the Refining and

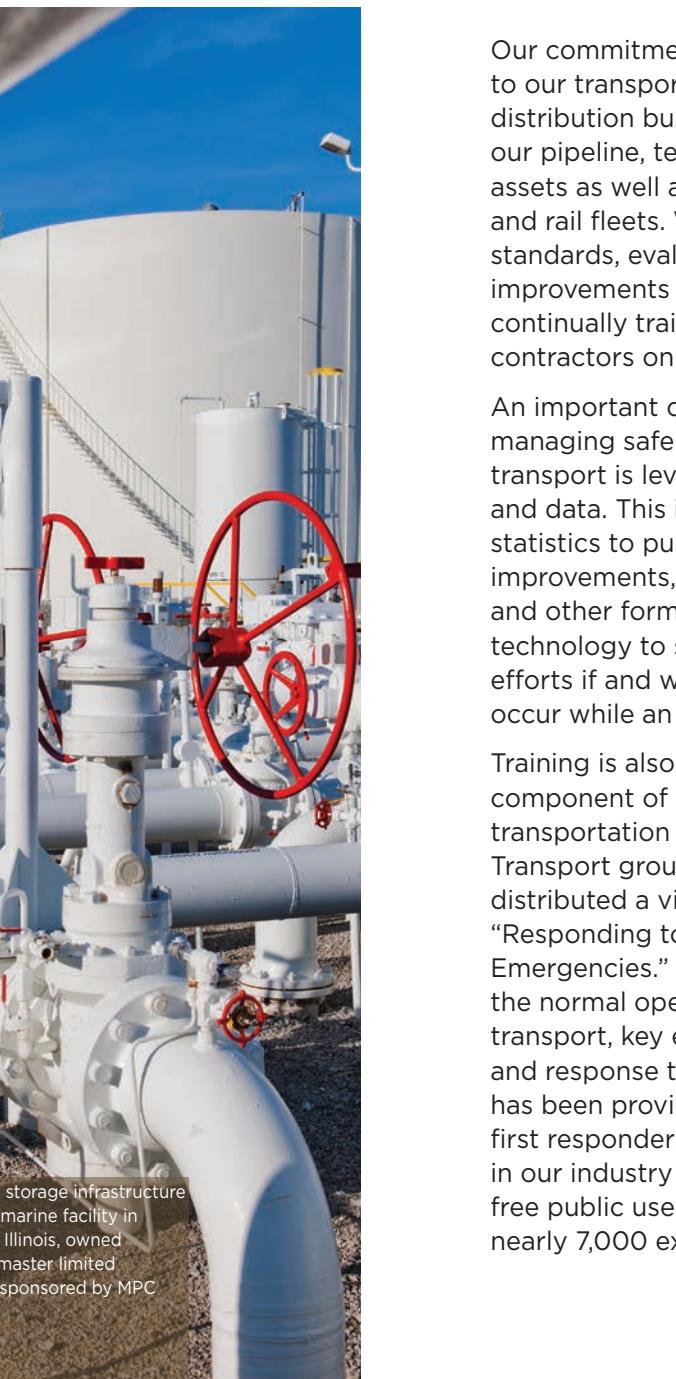
Petrochemical Industries. This practice includes reviewing both leading and lagging process safety metrics to better gauge our company's performance and developing process safety improvement plans based on the data. Current areas of focus include:

- Mechanical integrity, especially reducing loss of primary containment from small-bore piping
- Improving human reliability through human-factors analysis and elimination of error traps

In 2018, we worked toward integrating MPC's and legacy Andeavor's process safety management systems. As part of the effort, we conducted assessments to better determine where improvements could be made. Other efforts throughout the year included evaluating, improving, optimizing and replacing equipment throughout our enterprise. We also continued to fine-tune and update our approach to audits and training.



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.



## Transportation Safety

Our commitment to safety extends to our transportation, storage and distribution businesses, including our pipeline, terminals and storage assets as well as our marine, truck and rail fleets. We utilize industry standards, evaluate and implement improvements to our systems, and continually train employees and contractors on best practices.

An important component of managing safe and responsible transport is leveraging technology and data. This includes using fleet statistics to push safe driving improvements, and using monitors and other forms of hands-free technology to support response efforts if and when an incident should occur while an individual is in transit.

Training is also an important component of our approach to transportation safety. In 2018, our Transport group developed and distributed a video series titled "Responding to Fuel Transport Emergencies." The training highlights the normal operation of a fuel transport, key equipment design and response tactics. The training has been provided to key third-party first responders, shared with others in our industry and published for free public use. Since its publication, nearly 7,000 external first responders

completed the training, resulting in increased emergency preparedness in the public sector.

Our Marine Transportation organization provides transportation services for crude oil, products and other materials. With 23 towing vessels and 256 barges operating in our rivers, lakes and oceans, we know that ensuring we are operating safely and without incident is paramount.

In 2018, the U.S. Coast Guard implemented additional towing vessel safety regulations for inland marine operators, which established new inspection standards and also specified a safety management system requirement. To comply, we implemented an existing Towing Safety Management System (TSMS), which has been certified with the American Waterways Operators' Responsible Carrier Program since 1998. We also provided extensive training to our personnel as part of the new system rollout and now meet the Coast Guard's requirement for the first-year implementation target.

Through these efforts, we are well-positioned to fully comply with the TSMS requirements by 2022. Our Marine Transportation organization remains one of the safest among inland marine operators.



# Integrity and Governance

## BUSINESS ETHICS

Our commitment to corporate responsibility is essential to the success of our business and our ability to create shared value for our stakeholders. At MPC, we have laid a foundation for principled business decisions based on respect, dignity and honesty, and with a focus on our core values of health and safety, environmental stewardship, integrity, corporate citizenship and an inclusive culture. These values set high expectations for each individual across our organization and help to ensure trust among our business partners, shareholders and the communities where we work and live.

## OUR CORE VALUES

Our long-established core values are vital to our financial performance and relationships with stakeholders. Under the guidance and supervision of our Board of Directors, we pursue the highest standards of corporate responsibility by embedding these core values into our policies, practices and programs.

### HEALTH AND SAFETY

We have the highest regard for the health and safety of our employees, contractors and neighboring communities.

### ENVIRONMENTAL STEWARDSHIP

We are committed to minimizing our environmental impact and continually look for ways to reduce our footprint.

### INTEGRITY

We uphold the highest standards of business ethics and integrity, and strive for transparency in all of our operations.

### CORPORATE CITIZENSHIP

We work to make a positive difference in the communities where we have the privilege to operate.

### INCLUSIVE CULTURE

We value diversity and 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.

## COMPLIANCE AND ETHICS AT MPC

Conducting business with the highest standards of integrity and ethical conduct, as guided by our Code of Business Conduct, is of the

## GOVERNANCE AND BOARD OF DIRECTORS

Strong corporate governance is critical to our long-term business success. MPC's Board of Directors has ultimate oversight over the management of our business. The Board is comprised of 12 directors, 10 of whom are independent. The independent directors have elected the Chairman and CEO and the Lead Director to lead the Board. The Board maintains four committees: Audit, Compensation, Corporate Governance and Nominating, and Sustainability. The roles of these committees are discussed in more detail on Page 9 and in our 2019 Proxy Statement.

Our Board of Directors, as a whole, possesses a combination of the skills, professional experience, and diversity of backgrounds to ensure an effective mix of perspectives. The average tenure of our Board members is 3.7 years, and 33% of the directors are women or ethnic minorities.

Most of our directors have senior corporate leadership, strategic planning, risk management, industry, operations and financial experience, and all have a background in public company board service. More information about our Board and each director's qualifications can be found in our 2019 Proxy Statement. More information about the diversity of our Board can be found in the People section of this report on Page 24.

utmost importance to us and our business. All MPC employees must follow our Code, which defines expectations for ethical decision-making, accountability and responsibility.

All salaried MPC employees are required to regularly complete Code of Business Conduct training and an annual Code certification. This certification includes an ethics questionnaire and provides the opportunity for employees to disclose any issues that could be a violation of the Code. In 2018, 100% of all salaried MPC employees completed the annual certification. For accountability, we regularly report on the ethics and compliance program to the Audit Committee of the Board of Directors.

Our suppliers, vendors, contractors and business partners are expected to comply with the Code, as well as all applicable laws, rules and regulations.

We provide to our business partners information that articulates the Code; guidelines regarding conflicts of interest, meals, gifts and entertainment; and access to our Integrity Helpline. We also expect them to support effective compliance programs in their own organizations.

In addition to the Code of Business Conduct, we have adopted a Code of Ethics for Senior Financial Officers, including our CEO, CFO, controller, treasurer and other leaders performing similar roles. This separate Code of Ethics affirms the principle that the honesty, integrity and sound judgment of our senior executives with responsibility for preparation and certification of our financial statements is essential to the proper functioning and success of our company.



## INTEGRITY HELPLINE

While all our employees, contractors and vendors are encouraged to speak with their immediate supervisors if they have questions or concerns related to ethics and the Code, the Integrity Helpline is an additional resource to request advice, discuss workplace behavior or ethics, or report potentially unethical acts on a named or anonymous basis.

We investigate every allegation shared with the Integrity Helpline and take appropriate action, such as discipline where warranted, or a change in policy or procedure, based on the outcome of the investigation. We maintain a firm no-retaliation policy and will never permit a good-faith filing to be a cause for disciplinary action. To preserve the quality and consistency of the Integrity Helpline, we conduct an annual audit in which the helpline cases are subject to review for practices and outcomes.

## ANTI-CORRUPTION

Implementing strong anti-corruption policies and protocols is critical to our license to operate. As outlined in our Code of Business Conduct and our Anti-Corruption Policy, we exercise a zero-tolerance policy for bribes in any form and require compliance with all applicable laws regarding bribery and corruption, including the U.S. Foreign Corrupt Practices Act.

Employees whose job responsibilities warrant, are required to complete additional comprehensive anti-corruption training. In 2018, this training was delivered to 100% of those employees targeted for additional training. We will continue to evaluate and evolve our policies and procedures as necessary to meet our transforming needs and circumstances.

## WHISTLEBLOWING

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

## CONFLICTS OF INTEREST

Our Conflicts of Interest Policy provides guidance on recognizing and resolving real or apparent conflicts of interest. This policy acknowledges that business decisions on behalf of the company must be made through the exercise of independent judgment in the company's best interest and not influenced by the personal interests of decision makers.

## HUMAN RIGHTS

MPC respects the human, cultural and legal rights of all individuals and communities. This commitment extends to the fair treatment and meaningful involvement of all peoples, including indigenous peoples, regardless of race, color, national origin, sexual orientation, gender or income level. Human rights are also an important focus of our industry and help guide how we work with our employees, contractors and community members.

We require compliance with all applicable laws and regulations aimed at upholding the rights and dignity of all peoples and have invested resources and programming so that all our employees and contractors feel respected when working with MPC.

# Stakeholder Engagement

## POLITICAL ENGAGEMENT AND ADVOCACY

Our business is heavily regulated by federal, state and local governments. As a result, it is our responsibility to provide information and advocate for sound federal, state and local policies that enable us to continue providing affordable, reliable transportation fuels and other products to the communities we serve.

We engage with the political process in several ways, including lobbying, grassroots activity, issue advocacy, participation in trade associations, supporting an active employee political action committee (PAC) and, where lawful, the direct support of political candidates and ballot issues. We report our total PAC and corporate contributions on a state and federal level as required by law and, in the interest of good governance and transparency, publish this information on our Political Engagement and Disclosure website.

Because we believe participation in the political process is vital to a free and democratic society, we encourage our employees to exercise their right to engage in political activities of their choosing. For more information on our political engagement philosophy, trade association memberships and lobbying disclosures, visit our Political Engagement and Disclosure website here: <https://www.marathonpetroleum.com/Responsibility/Political-Engagement-and-Disclosure/>.

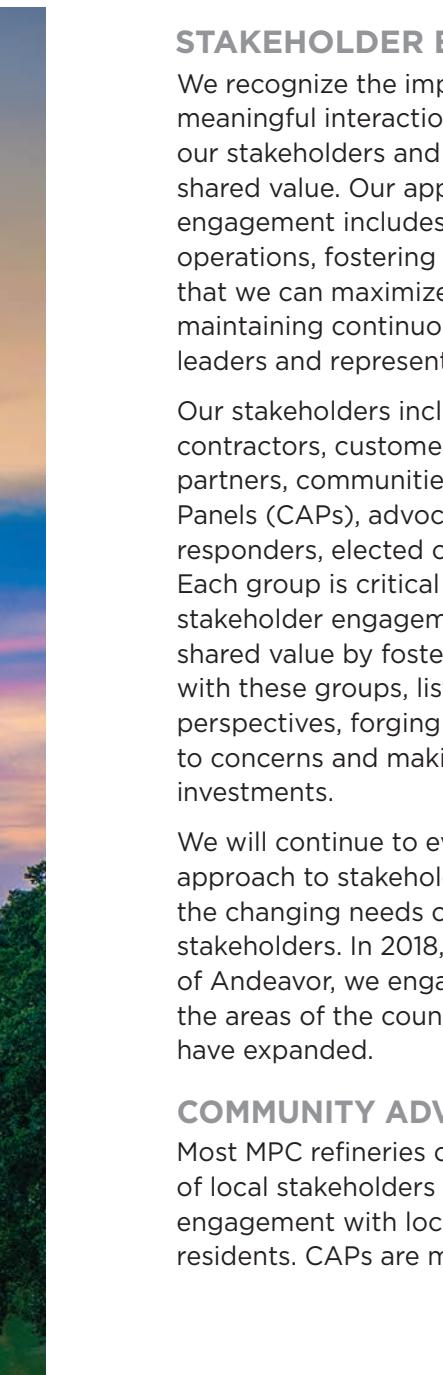
## TRADE ASSOCIATIONS

Like most large companies, we are active in trade associations and similar groups at the national, state and local levels. We believe participation in these associations is important to the company's role as an industry leader and active member of the business communities in which we operate. These associations engage in many activities for the benefit of their members, including encouraging industry standards among member companies.

Many trade associations actively engage in lobbying on issues that impact their respective members. Through our participation in trade associations, we seek to champion legislative solutions that are in the best interests of the company and the many stakeholders we serve. We believe it is important to be engaged with these organizations so our positions on issues of importance to the company can be expressed. Our senior management annually reviews our trade association memberships and assesses the effectiveness of and continued participation in the respective groups and the utility of any new memberships. We pride ourselves on taking an active role in our trade associations and have executives, technical experts and other personnel serving in various leadership and supporting roles within such groups. We recognize that viewpoints of other trade association members may differ from our own. When this occurs, we seek to work with the association membership to promote reasonable compromise. However, we do not control the position that any trade association may take on any particular issue.

In 2018, annual dues greater than \$50,000 incurred by MPC for national trade associations totaled \$14.8 million, of which approximately \$1.1 million (7%) was attributable to federal lobbying efforts and approximately \$6.5 million (44%) was attributable to state and grassroots lobbying and broad advertising communications designed to generally promote the energy industry and educate consumers.

Approximately \$7.2 million (49%) of MPC payments made to national trade associations in 2018 was attributable to tax-deductible, program-related activities such as training and the establishment of industry standards. A list of trade associations to which we paid dues at or above \$50,000 per year, and which may engage in lobbying activities, is available on our website: <https://www.marathonpetroleum.com/Responsibility/Political-Engagement-and-Disclosure/>.



## STAKEHOLDER ENGAGEMENT

We recognize the importance of positive, meaningful interactions with a broad spectrum of our stakeholders and they are central to creating shared value. Our approach to stakeholder engagement includes building support for business operations, fostering strong community ties so that we can maximize our positive impacts, and maintaining continuous dialogue with community leaders and representatives where we operate.

Our stakeholders include employees, investors, contractors, customers, suppliers, business partners, communities, Community Advisory Panels (CAPs), advocacy organizations, emergency responders, elected officials and regulators. Each group is critical to our broader, overarching stakeholder engagement strategy. We achieve shared value by fostering open communications with these groups, listening to their diverse perspectives, forging partnerships, responding to concerns and making positive, strategic investments.

We will continue to evolve, expand and grow our approach to stakeholder engagement to meet the changing needs of our company and our stakeholders. In 2018, following the acquisition of Andeavor, we engaged with new groups in the areas of the country where our operations have expanded.

## WORKING WITH NATIVE COMMUNITIES

Our acquisition of Andeavor expanded our operations across the U.S. and increased our interactions with native communities – a key stakeholder group for MPC. Strong partnerships with these communities are critical to our success, and we strive to respect all tribal rights and traditions.

### Community Advisory Panels (CAPs)

Most MPC refineries convene independent groups of local stakeholders through CAPs to formalize engagement with local community leaders and residents. CAPs are made up of representatives

from the community, which can include teachers, retirees, business owners, elected officials, residents who live near our facilities, community organizers and other interested parties, depending on the community.

Each CAP meets on a regular basis to learn more about key activities within their local refinery and other community news. At each meeting, a member of the refinery leadership team provides an update to community members, detailing the facility's safety and environmental performance and providing relevant updates on significant projects. Most importantly, the CAPs provide us insight into activities and issues within our communities and identify ways that we can further enhance our engagements where we live and work.

While most of our CAPs are dedicated only to our facilities, some CAPs in more industrialized areas include industry partners and peers. These combined panels offer opportunities for community members to hear from, and provide feedback to, the broader industry.

### Working with Native Communities

The Navajo community's evolution is similar to Orlatana. They believe human beings arrived through the earth, along with animals from the beginning of time. Eventually, they grew to the belief that our world emerged through two different worlds over the span of millions of years. The current world – or the Fourth World – is referred to as the Gathering World.

Today, this belief and vision is evident with nearly 30% of Navajo members now belonging to various Christian denominations. However, the Navajo people remain proud of their heritage and recall their community's many traditional ceremonies. Numerous rituals hundred years ago.



### Preparing Speedway Employees For Working In The Navajo Nation Community



#### Protocol & Diplomacy

As Speedway rolls out new retail locations in the Navajo Nation, a select group of employees will be assigned as Facility General Managers to retail locations assigned to or near the Navajo Nation community in New Mexico. If tasked with this assignment, you have been chosen for your leadership, training, and ability in communicating expectations and reinforcing Speedway's customer service values.

This presentation will serve you well. In addition, it is important to understand the Nation's customs and protocols while assessing appropriate and respectful communication with the Navajo people. Ultimately, our will strengthen relationships with the employees you train, the customers you interact with, and the neighbors living in and around your assigned retail location.

#### Historical Context

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#### Before Arriving in New Mexico

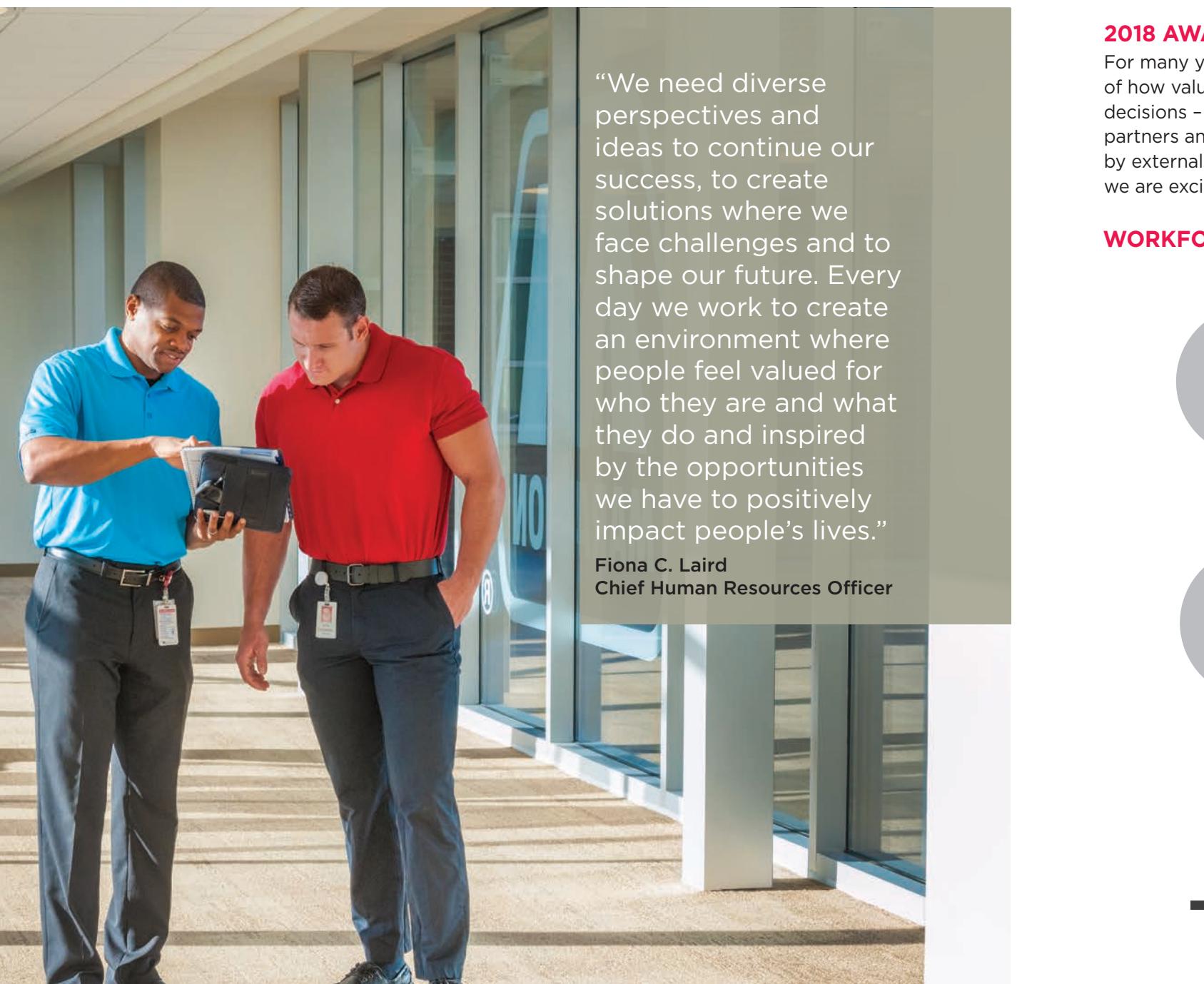
It will be useful to review some basic understanding the history of the Navajo and their way of life. The Navajo possess a culture that is distinct from other tribes in the Southwest. Please visit: [www.navajohistory.org/navajo-history.html](http://www.navajohistory.org/navajo-history.html)

The Navajo Indian Reservation has also published several short articles describing Navajo culture. Please visit: [www.navajohistory.org/navajo-culture.html](http://www.navajohistory.org/navajo-culture.html)

Navajo and Navajo language in the community is covered by the Navajo Tongva, a tribe whose population falls under the Navajo Nation. Please visit: [www.navajonationtribe.com](http://www.navajonationtribe.com)

# Our People

Our people are the foundation of our success, and we strive to continue cultivating a strong workplace culture grounded in our core values. This has a direct impact on employee engagement, enhancement and satisfaction, and is essential to our recruitment, retention and development efforts. Our employees help us champion a workplace that allows each person to maximize their full potential and encourages them to seek the career opportunities they desire. We welcome new ideas, invest in our people, and work to foster a collaborative and inclusive team environment.



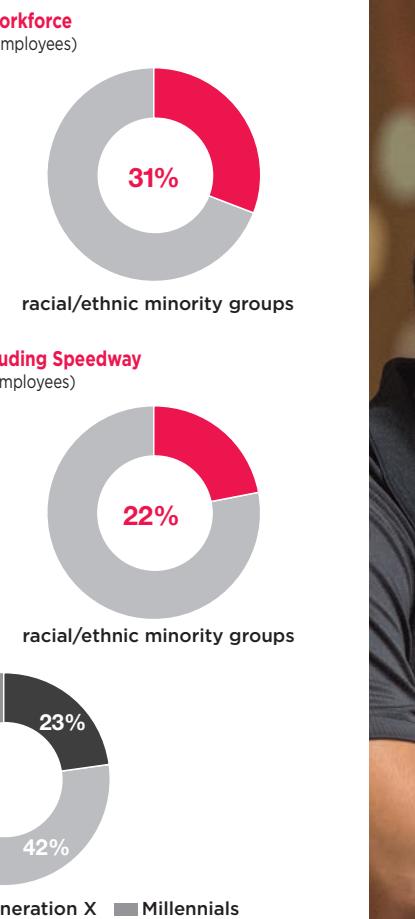
"We need diverse perspectives and ideas to continue our success, to create solutions where we face challenges and to shape our future. Every day we work to create an environment where people feel valued for who they are and what they do and inspired by the opportunities we have to positively impact people's lives."

Fiona C. Laird  
Chief Human Resources Officer

## 2018 AWARDS AND RECOGNITION

For many years, we have promoted greater awareness of how valuing all perspectives leads to better business decisions – for our employees, shareholders, business partners and communities. We are proud to be recognized by external organizations for our efforts and progress, and we are excited about our plans to keep improving.

## WORKFORCE PROFILE



Forbes America's Best Employers for Diversity



Human Rights Campaign Foundation's Corporate Equality Index Score:

**85**

Forbes World's Best Employers

Top Supporter of Historically Black Colleges and Universities



- U.S. Black Engineer Information Technology Magazine





## DIVERSITY & INCLUSION

We recognize that an inclusive culture makes us a better company and ensures better results for our business. In 1999, we established our Diversity and Inclusion (D&I) program based on key insights and learnings from the diverse communities where we operate and the people who come to work for us each day.

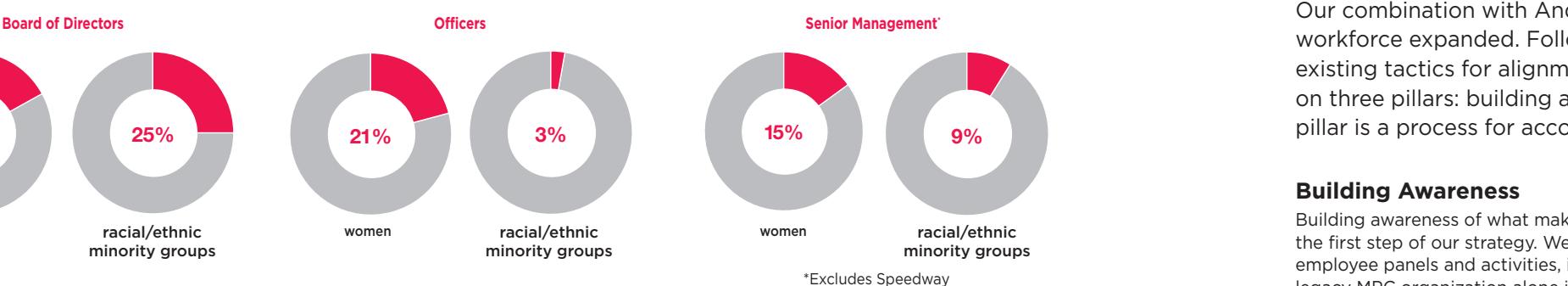
Today, our D&I program – led by our officer-level Diversity Committee and managed by our D&I Office – focuses on equipping leaders and employees to practice inclusive behaviors; creating awareness of how our differences benefit each other, the company and our many stakeholders; and tracking our progress. We also enforce Human Resource policies to protect and support employees, such as anti-discrimination, anti-harassment, drug and alcohol use, workplace violence and reasonable accommodation policies.



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## LEADERSHIP DIVERSITY

Our commitment to a diverse and inclusive workplace starts at the top and is a priority for our 12-member Board of Directors. In January 2018, the Board adopted an amendment to our Corporate Governance Principles to expressly affirm its commitment to seeking diverse director candidates, and through our combination with Andeavor, we increased the number of women on our Board. And, 50% of our Board committee chair positions are now held by individuals from typically underrepresented groups.

Beyond the Board, we strive to reflect diverse backgrounds, experiences and perspectives at all levels of leadership within the company. Our Officer team, composed of our most senior company leaders, is responsible for day-to-day leadership of MPC's business and strategic direction. In 2018, we expanded this highly qualified team to 29 individuals as part of our ongoing growth, including doubling the number of women officers.

The daily contributions and performance of our divisions and departments are led by our talented Senior Management group. These 149 leaders are among our top four pay grades below officer level, and we actively develop this team as potential internal successor candidates for officer-level positions.

As part of our commitment to diversity and facilitating equal opportunities among our senior management and officer ranks, in the spring of 2018, we implemented balanced slates during the hiring process for posted positions in our top six non-officer pay grades. This means we strive to consider at least one qualified individual from racial/ethnic minority groups or one female, either an internal or external candidate, in the final candidate pool for these job openings.

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One example is our ongoing involvement with Minority Bridge Programs to build our talent pipeline and invest in future generations. These programs are designed to support the successful transition to college of incoming freshmen of socioeconomically, racially and ethnically diverse backgrounds through staff and faculty guidance, skill development and professional mentoring.

## A STRATEGIC APPROACH

Our combination with Andeavor presented a critical opportunity to build upon our D&I efforts as our workforce expanded. Following the merger, we immediately enhanced our D&I strategy and assessed existing tactics for alignment and improvement opportunities. Our new, more focused strategy is built on three pillars: building awareness, increasing representation and ensuring success. Underlying each pillar is a process for accountability and measurement.

### Building Awareness

Building awareness of what makes us different and unique is the first step of our strategy. We regularly host D&I workshops, employee panels and activities, including more than 80 in the legacy MPC organization alone in 2018. For example, we hosted a dialogue on race during Black History Month and one on gender in the workplace during Women's History Month.

- Louisiana State University – Summer Scholars
- Michigan State University – Engineering and Science Success Academy (ESSA)
- North Carolina A&T State University – Helping Orient Minorities to Engineering (HOME)
- The Ohio State University – Pre First-Year Academic and Career Engagement (PREFACE)
- University of Cincinnati – Emerging Ethnic Engineers (E3)

### Ensuring Success

We believe our long-term success is fueled both by fostering inclusion at our worksites as well as in the communities where we live and work. We conduct community outreach and participate in community-led diversity celebrations and educational events to help build awareness outside our doors.

In 2018, our offices and field locations participated in a number of local events supporting the diverse backgrounds of their communities. A few include Dorr Street Live in Northwest Ohio (an urban festival celebrating African-American heritage); a Martin Luther King Day march and Diwali Festival in Texas; and several Pride events with the LGBTQ+ community, including a Pride picnic in Kentucky.

We actively work to increase the representation of qualified women, those from racial/ethnic minority groups, military veterans and other diverse individuals in our workforce through targeted external recruitment efforts, military recruitment activities and on-campus efforts.

In 2018, we also partnered with the Findlay-Hancock County Chamber of Commerce to lead the formation of the Community Inclusion Coalition, a coalition of local businesses and civic organizations focused on building a more inclusive community. The coalition meets quarterly to discuss and address community and business issues and opportunities related to diversity and inclusion.



Tracie applied those skills to excel in several roles at MPC, including process design engineer, technical buyer, quality professional and petrochemicals manager at several of our U.S. locations. She has now returned to Catlettsburg as the Product Control Manager, leading a team of more than 120.

"MPC has afforded me career opportunities and the ability to grow in ways that I couldn't imagine," explains Tracie. "I've been able to parlay those opportunities into so many unique career paths. The company gives employees the opportunity and platform to grow, and I'm grateful for the support and preparation I've received."

As part of our efforts to encourage other women and employees with diverse racial/ethnic backgrounds to seek leadership roles, we have created and hosted a wide range of D&I activities, including an annual D&I month and worksite-based teams, to nurture a culture of belonging.

"From a career perspective, employees want to have career fulfillment and feel like they belong," Tracie shares. "MPC's D&I program allows for people who are allies and supporters to participate in our efforts. The 'lunch and learn events,' presentations, panels and other activities really help to raise awareness and support."



### RECRUITMENT, RETENTION AND DEVELOPMENT

We actively work to recruit and retain top talent and develop the skills and capabilities of all our people. Our Human Resources department manages several programs to attract candidates from all walks of life. For example, our University Recruiting program is championed by our officer team and is designed to recruit students and recent graduates and provide them tools to succeed as they start their careers. We also engage in certain external programs focused on placing military veterans in civilian jobs.

### Internships and Co-ops

Our paid intern/co-op program is our primary pipeline for full-time, entry-level hires. College students can participate in one of our program's three terms - spring, summer and fall - after completing their freshman year, and opportunities

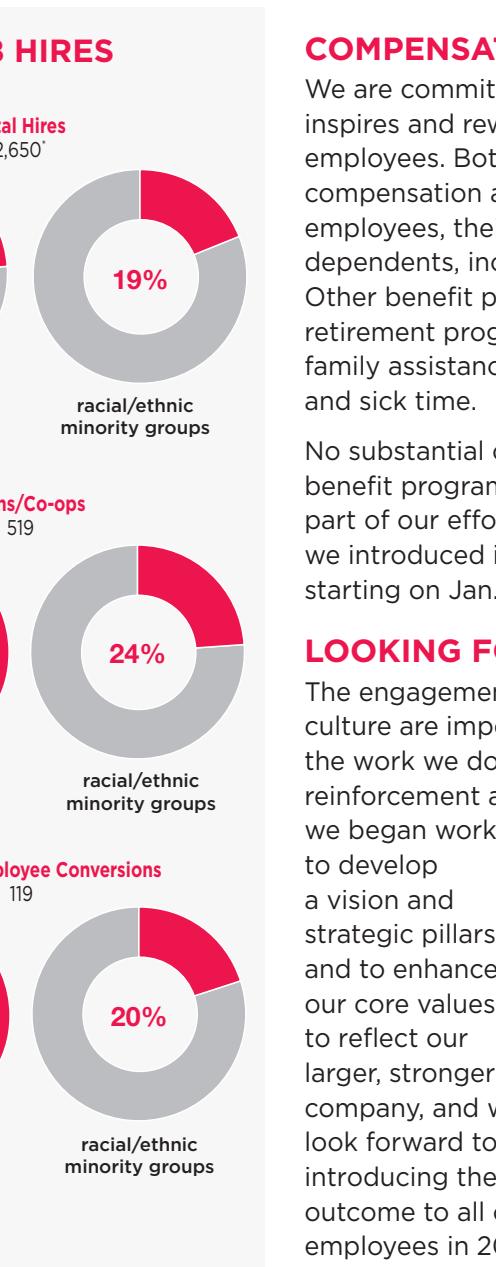
are typically available year-round at 20 to 25 locations across the company. In 2018, we hired 519 interns and co-ops at various stages in their college careers, and 119 accepted our offers for full-time employment.

### Training and Development

Career training and development are critical for retaining a successful and engaged workforce. In 2018, 623 employees participated in our companywide MPC Leadership Development Program. The program, which has been in place for more than a decade, offers a variety of courses with

different focus areas targeted at different levels, including leadership skills related to safety and environmental stewardship, supervisor development and commercial skills training. For some programs, we partner with colleges and universities, like our Marathon Advanced Leadership Program, a two-week course that we conduct in partnership with the University of North Carolina.

We also offer employees additional development opportunities, such as mentoring, local leadership programs and classes on topics like delivering powerful presentations, negotiating and advancing their careers. The MPC Leadership Development Program and other training programs are undergoing changes as a result of our combination with Andeavor, and we anticipate offering an enhanced program in 2019.



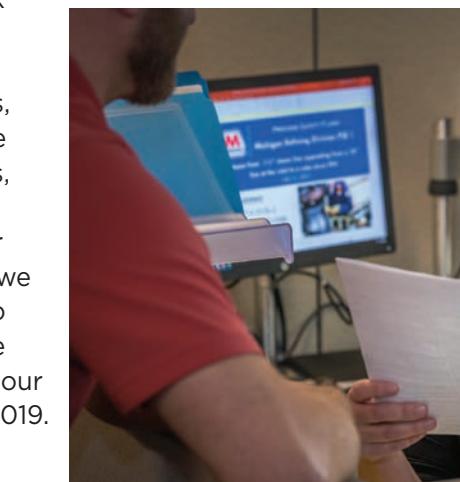
### COMPENSATION AND BENEFITS

We are committed to providing a work environment that inspires and rewards the dedication and performance of our employees. Both MPC and Andeavor provided competitive compensation and offered health benefits to all eligible employees, their spouses or domestic partners, and their dependents, including medical, dental and vision insurance. Other benefit programs offered by both companies included retirement programs, life insurance, education assistance, family assistance, short-term disability and paid vacation and sick time.

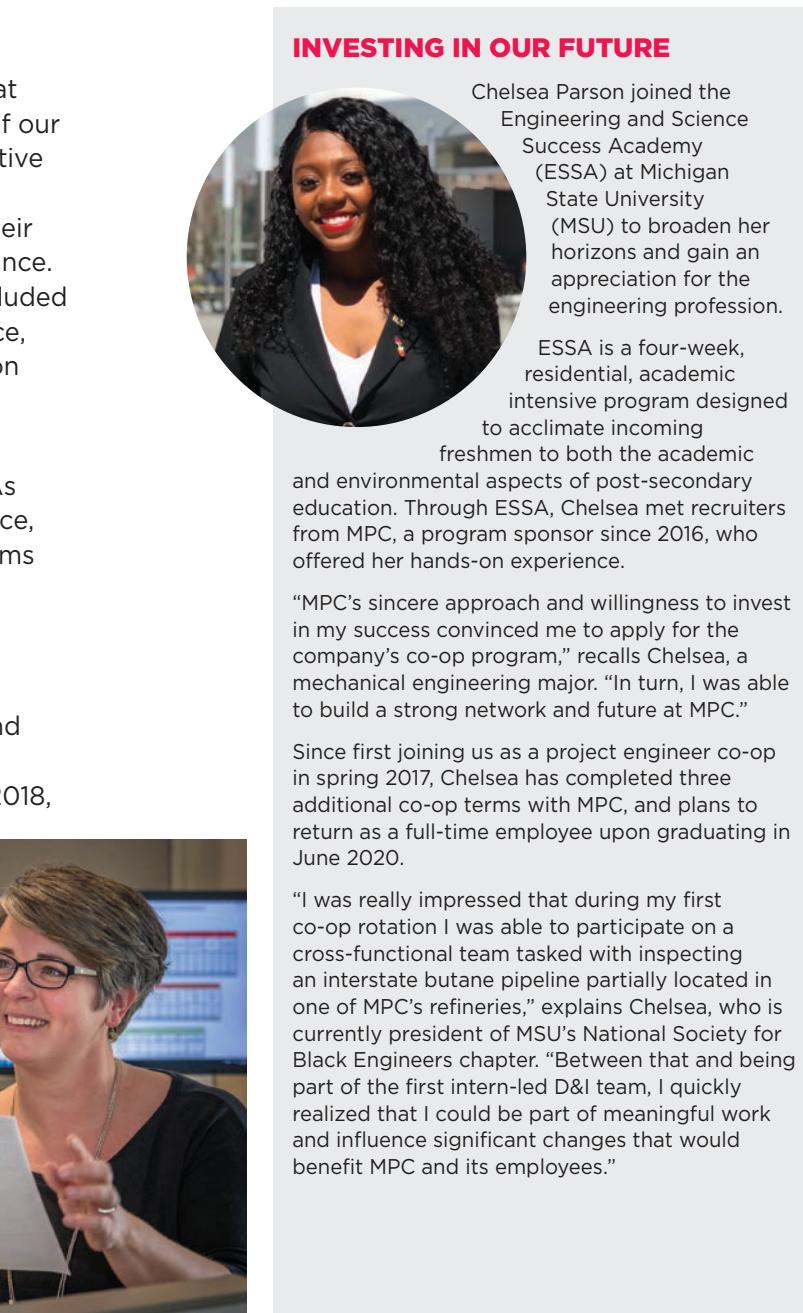
No substantial changes were made to legacy company benefit programs between Oct. 1, 2018, and year-end. As part of our efforts to quickly unify our growing workforce, we introduced integrated and enhanced benefit programs starting on Jan. 1, 2019.

### LOOKING FORWARD

The engagement of our people and the strength of our culture are imperative to the success of our business and the work we do each day - and both require ongoing reinforcement and active support from our leaders. In 2018,



\*Excludes Speedway and employees who joined through our strategic combination with Andeavor



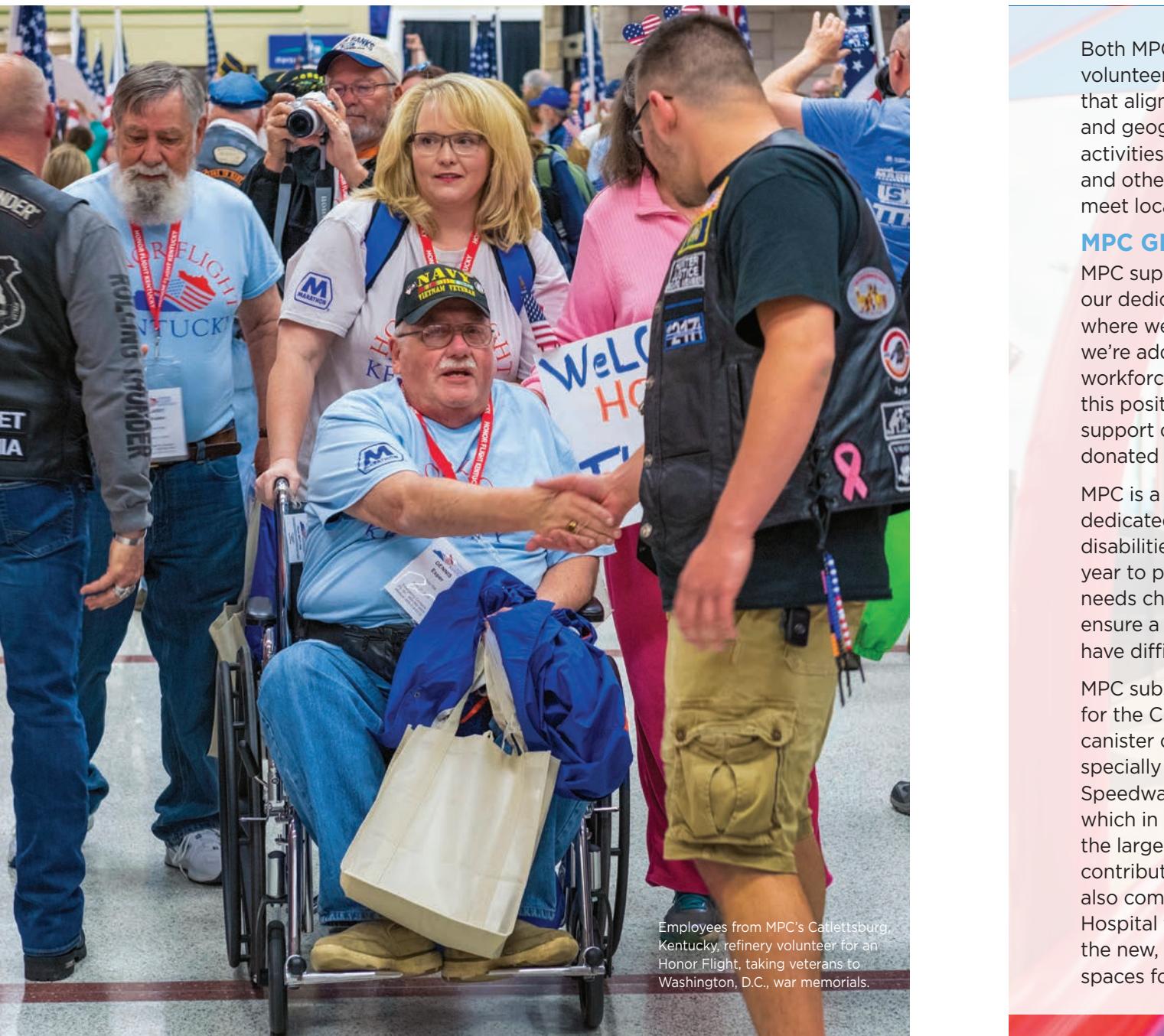
# Our Community

## INVESTING IN OUR COMMUNITIES

In order to create shared value with our stakeholders, we work to act responsibly and make real, positive impacts in the communities where we operate. We do this by providing support to 501(c)(3) nonprofit and government-related organizations and agencies in the form of foundation grants, corporate contributions and sponsorships, and through workplace giving and volunteerism.

Through our strategic combination with Andeavor and our continued commitment to creating sustainable, shared value, we continue to evolve our strategy to assess and contribute to helping all our communities thrive. We invest in our communities in three primary ways:

- Charitable giving, which includes through the Marathon Petroleum Foundation and other company donations.
- Corporate and local giving, which includes our support of local organizations and local chapters of national organizations.
- Employee giving and volunteering, through which we support our employees' desires to continue making their communities better places to live and work.



Both MPC and Andeavor provided monetary support, expertise and volunteers to national and local nonprofit organizations and causes that aligned with our business priorities, values, business expertise, and geographies. Each organization focused on philanthropic activities to create long-term, strategic relationships with nonprofits and other organizations to create innovative, sustainable solutions to meet local needs.

## MPC GIVING

MPC supports the work of United Way, an organization that shares our dedication to improving lives and strengthening communities where we live and work every day. Within these communities, we're addressing important issues such as kindergarten-readiness, workforce development and financial stability. We couldn't create this positive impact on society without the overwhelming help and support of our employees and community partners. Together, we donated more than \$2.4 million to the United Way in 2018.

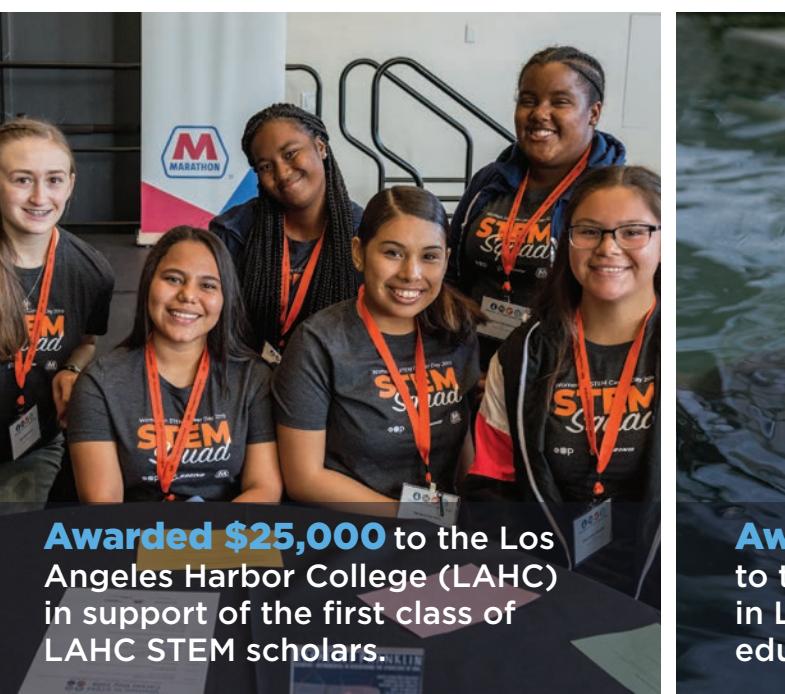
MPC is a title sponsor of the Findlay Miracle League, an organization dedicated to promoting the health and well-being of individuals with disabilities. Athletes from around the nation visit Findlay, Ohio, each year to play on a field custom-designed to accommodate special-needs children, providing an astroturf surface with thick padding to ensure a safe environment for wheelchairs and for children who may have difficulty with mobility.

MPC subsidiary Speedway LLC, based in Enon, Ohio, raises funds for the Children's Miracle Network (CMN) Hospitals, which includes canister collections at the point of sale in Speedway stores and specially themed days for employees to engage customers. Speedway holds an annual Speedway Miracle Tournament in Ohio, which in 2018 alone raised nearly \$3 million and has become one of the largest golf events benefiting CMN Hospitals. In 2018, Speedway contributed more than \$9.5 million to the organization. The company also committed \$1 million over five years to Dayton's Children's Hospital to construct the Flight Gallery Atrium, which is part of the new, eight-story patient tower providing new technologies and spaces for patient activities and treatments.

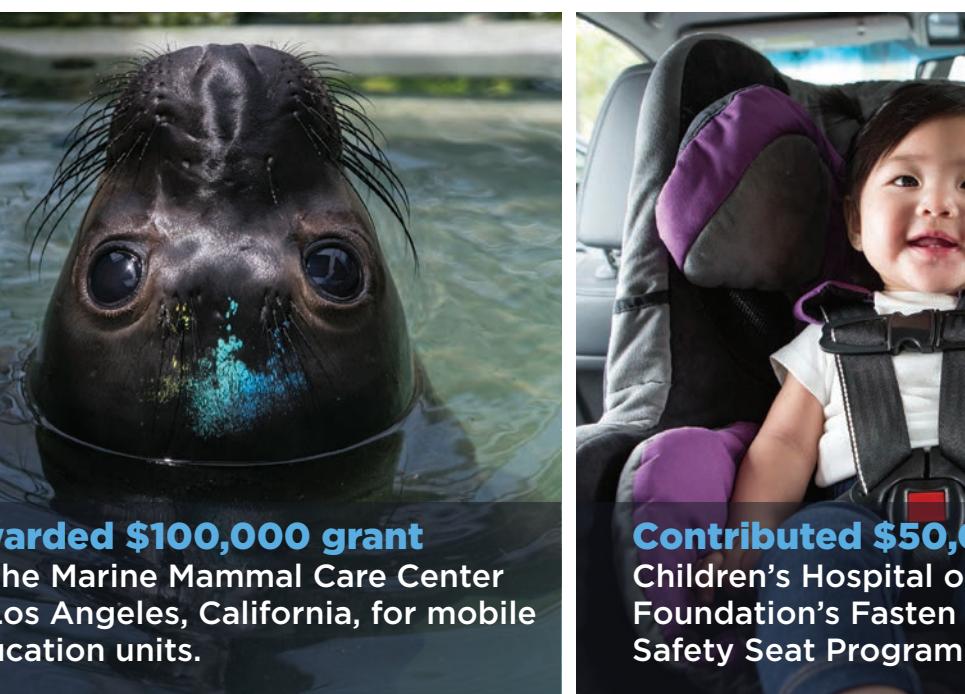


## THE MARATHON PETROLEUM COMPANY FOUNDATION

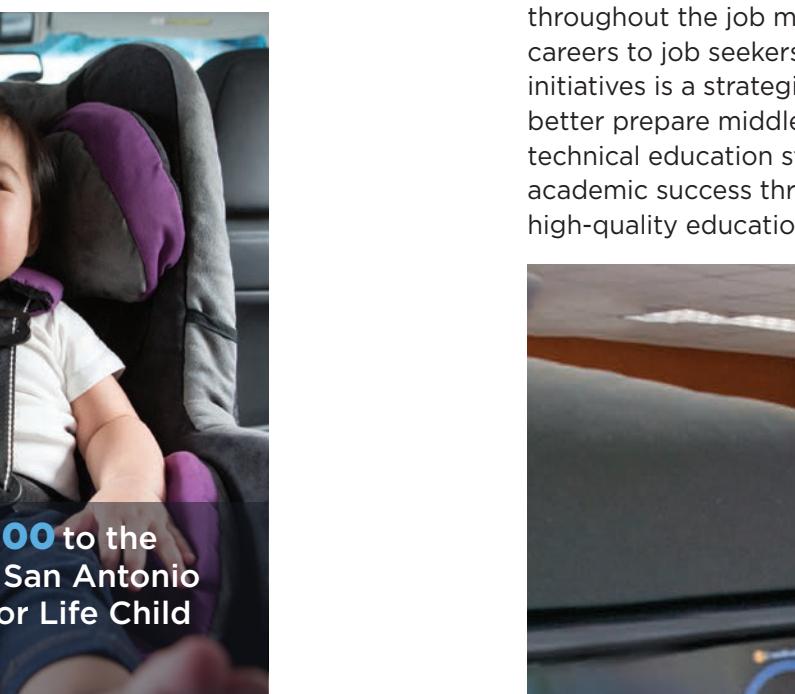
Andeavor followed the foundation model of giving and strategically focused its community investments on three core areas where it could make a positive, measurable impact: science, technology, engineering and math (STEM) education; environmental conservation/sustainability; and public safety. A sampling of the foundation's efforts in these three categories include:



**Awarded \$25,000** to the Los Angeles Harbor College (LAHC) in support of the first class of LAHC STEM scholars.



**Awarded \$100,000 grant** to the Marine Mammal Care Center in Los Angeles, California, for mobile education units.



**Contributed \$50,000** to the Children's Hospital of San Antonio Foundation's Fasten for Life Child Safety Seat Program.

The combination of MPC and Andeavor created the opportunity to refine and strengthen MPC's platform for charitable investment. As part of our shared value approach to business, MPC adopted the foundation approach to serve local needs and tap into the philanthropic passions of our employees. The new Marathon Petroleum Foundation's strategic objectives are to promote vocational and STEM education, environmental conservation and public safety.

## BRINGING OUR GIVING STRATEGY TO LIFE

### A Focus on STEM

MPC's success relies on our ability to recruit and retain employees with exceptional STEM-related skills. STEM-related skills are also in high demand throughout the job market and offer rewarding careers to job seekers. Investing in STEM-related initiatives is a strategic focus area that allows us to better prepare middle school, high school and career/technical education students for professional and academic success through increasing access to high-quality educational resources and instruction.



Riverside High School students participate in a STEM program provided by funding from MPC's refinery in El Paso, Texas.

### Public Safety at MPC and in Our Communities

Health and safety is a core value at MPC, and we are focused on making our communities stronger and safer places to live, work and play. We provide funding, equipment and support to first responders, government agencies and community-based organizations to increase the overall safety of the communities where we operate.

### Championing Environmental Conservation/Sustainability

Environmental stewardship is another core value for MPC. We support government agencies, environmental and community groups, and trade, professional and industry associations devoted to efforts that protect, conserve and sustain our environmental resources.

## EMPLOYEE GIVING AND VOLUNTEERING

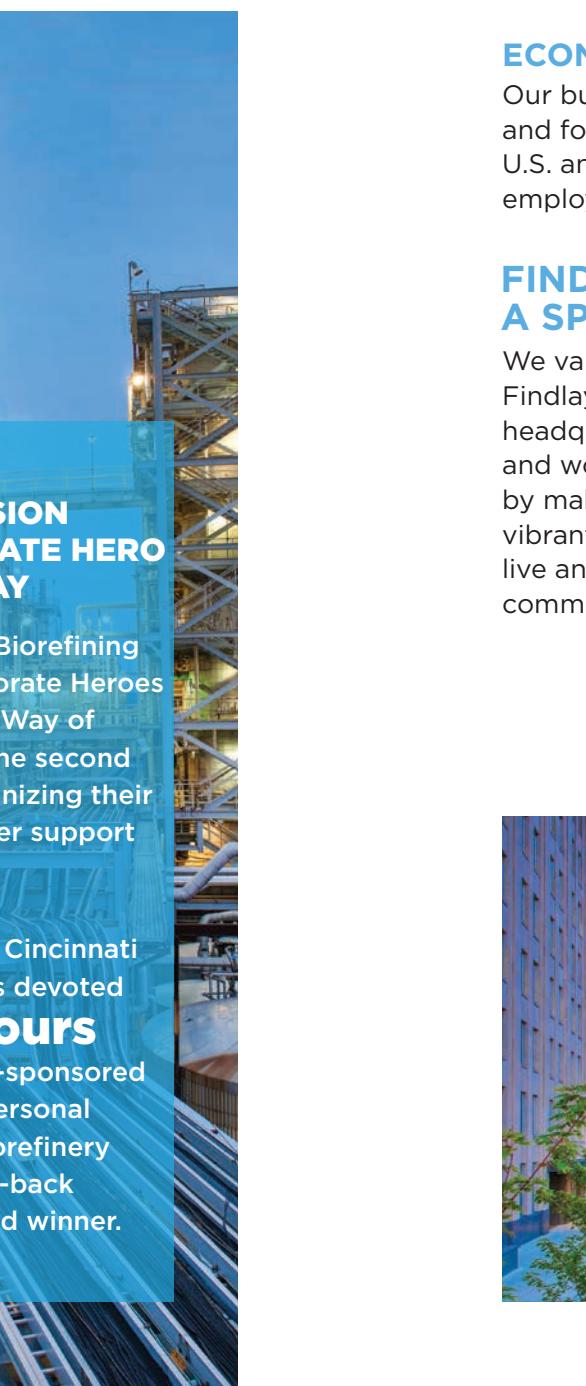
Our employees embrace their role as good neighbors, and we work to support them in making a difference in their communities.

We support our employees in their personal charitable donations to nonprofit organizations by supplementing gifts made by employees, retirees and directors to colleges and universities through our Matching Gifts Program. When a contribution of at least \$50 is made to an accredited college or



university, MPC will contribute a dollar-for-dollar match, up to \$10,000 annually.

Our Volunteer Incentive Program helps to recognize and encourage employee volunteerism with community organizations by providing contributions to qualified nonprofit organizations where employees and/or their spouses volunteer their time. The program provides up to \$500 annually to the organizations on behalf of employees, family members and friends.



### MPC'S CINCINNATI BIOREFINING DIVISION NAMED A CORPORATE HERO BY THE UNITED WAY

In 2018, our Cincinnati Biorefining Division earned a Corporate Heroes Award from the United Way of Greater Cincinnati for the second consecutive year, recognizing their contribution of volunteer support to the organization.

In total, **72%** of our Cincinnati biorefinery's employees devoted over 1,000 hours through both company-sponsored volunteer events and personal volunteerism. MPC's biorefinery is the first-ever back-to-back Corporate Heroes Award winner.

## ECONOMIC IMPACT IN OUR COMMUNITIES

Our business generates significant economic value and positive impact in communities where we operate and for the broader economy. With our newly integrated company in 2018 and expansion across the U.S. and Mexico, we maximized our economic impact across many communities. By the end of 2018, we employed more than 60,000 employees while paying millions of dollars in local, state and federal taxes.

### FINDLAY, OHIO: A SPOTLIGHT ON OUR HOMETOWN

We value our hometown of Findlay, Ohio – where we've been headquartered for over a century – and work hard to be a good neighbor by making sure our hometown is a vibrant, prosperous community to live and work. Recently, we have committed millions of community

investment dollars to support the local school district and University of Findlay, as well as the Marathon Center for the Performing Arts.

Community investment is, and will continue to be, an integral part of our business.



### LOS ANGELES REFINERY INTEGRATION PROJECT CENTERS ON COMMUNITY IMPACT

Last fall, we completed the Los

Angeles Refinery Integration

and Compliance Project to

physically connect the adjacent

Carson and

Wilmington facilities,

thus further integrating

and upgrading the

combined Los Angeles refinery

for cleaner and more efficient

operations. The \$460 million project lead to both environmental and local community benefits, as well as operational efficiencies across the business.

- Created 4,000 jobs over the project lifespan, including more than 1,800 union jobs
- Generated more than \$264 million in total labor income for the region
- Expected to generate an additional \$86 million in tax revenues at local, state and federal levels
- Expected to lead to a \$700 million revenue increase for local businesses

# Environment

We believe we have an obligation to be environmentally sustainable and responsible on behalf of all our stakeholders. This is why we have invested – and continue to invest – hundreds of millions of dollars to make our operations more energy efficient, reduce our environmental impacts and emissions, and diversify our business. Working with internal and external stakeholders in communities across the country, we hold meaningful discussions, listen and take action to address their concerns. Our work gained recognition in 2018 from the U.S. Environmental Protection Agency as a leading petroleum company in energy efficiency and environmental compliance as an ENERGY STAR® Partner of the Year. We have also earned the award in 2019.

## Environmental Leadership and Management

A culture that champions environmental stewardship comes from the top. That's why, in late 2018, our Board established its Sustainability Committee to oversee sustainability practices and performance, including our annual Sustainability Report and Perspectives on Climate-Related Scenarios report.

In addition to the Sustainability Committee, our senior management team has developed a strong enterprise risk management (ERM) process for identifying, assessing and managing environmental, social and reputational risk, as well as monitoring the performance of risk-mitigation strategies.

Our Health, Environmental, Safety and Security (HES&S) Management Committee at the executive-leadership level is a critical component of our Enterprise Risk Management process. This committee meets quarterly with HES&S personnel and leadership across the enterprise to evaluate performance and to discuss strategic HES&S, corporate citizenship and public policy issues, as well as climate-related matters.



Following the 2018 strategic combination with Andeavor, we've been working to deploy our management systems, standards and programs enterprise-wide, as well as integrating our processes and procedures to ensure consistency of our environmental performance and standards. For more information on our operational management systems, see Page 10 of this report.

## CLIMATE-RELATED RISKS

Our stakeholders expect us to consider climate-related risks, the environment and the communities where we operate. For three consecutive years, we have published our Perspectives on Climate-Related Scenarios report to provide our stakeholders a better understanding of climate-related risks. This report is based on the Task Force on Climate-Related Financial Disclosures' (TCFD's) set of recommendations for "consistent, comparable, reliable, clear and efficient climate-related disclosures by companies."

Our 2019 Perspectives on Climate-Related Scenarios report includes information about our scenario planning, business strategy, energy efficiency-efforts and accomplishments, water management and climate resiliency. We believe our investors, and other interested stakeholders, will find that the extensive disclosures in this report, our Annual Report on Form 10-K, Perspectives on Climate-Related Scenarios report and website align with the TCFD's principles and demonstrate our financial strength, adaptiveness and resilience to climate-related risks. What's more, the report demonstrates our industry leadership in reviewing and assessing climate-related risks while articulating our long-term strategy to enhance our business and protect the environment.

## ENERGY

Energy efficiency is a vital factor in creating long-term value both for MPC and the communities where we live and work. We consider energy efficiency to be a core business function, an important responsibility and an opportunity. Energy efficiency is one of the most important factors in reducing greenhouse gases (GHGs) and other emissions.

Being more energy efficient also makes economic sense. Our energy-efficiency strategy has helped us save almost \$500 million in energy costs over the past 10 years. With the integration of the Andeavor assets into our portfolio, we expect to identify additional energy-efficiency opportunities over the coming years, which we expect will further reduce our energy use and lead to additional emission reductions (for more information, please see the GHG Emissions section, on Page 37). Since 2014, we have reduced our energy intensity by 16%.

### Refining's Focus on Energy Program

Our “Focus on Energy” program was established in 2010 as the cornerstone of our overarching strategy to effectively manage and reduce energy usage at our refineries. The program is championed by an “Energy Technologist” who works with dedicated energy coordinators at each refinery. This team interacts with refining management, operations and engineering staff to identify and implement energy saving strategies. The program is now being expanded to the legacy Andeavor refineries.

In 2018, our “Focus on Energy” program provided the foundation with an updated version of our MPC Refining Energy Business Plan, which aims to improve energy performance by executing across five strategies: 1) identifying, establishing, tracking and communicating

individual operating parameters; 2) benchmarking energy performance; 3) incorporating energy efficiency into proposed capital and expense projects; 4) identifying and implementing energy-efficiency improvements; and 5) embedding energy efficiency into our culture.

Overall, the program has allowed us to greatly increase our energy efficiency and decrease our GHG intensity. Additionally, we saved approximately \$500 million in energy costs since 2007 and, in 2018, \$57 million. To read more about this program, please see our Perspectives on Climate-Related Scenarios report.

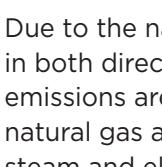
### Other Efforts to Improve Energy Efficiency

Outside of our Refining segment, we also track and measure energy efficiency to implement reduction efforts throughout our company. One example is Speedway’s comprehensive energy assessment program, in which a cross-functional team evaluates and implements store-level, energy-saving initiatives. In 2018, the team worked to assess incremental energy-efficiency improvements, including lighting upgrades, across almost 800 of our more than 3,900 convenience stores. The improvements aim to reduce electricity consumption for lighting at each store.

Throughout 2018, our Marine organization continued to implement its fuels optimization program in our inland and oceangoing marine fleets. The program has reduced fuel usage by up to 2 million gallons per year while preventing the emission of over 20,000 tonnes of greenhouse gases. The program requires captains to continuously monitor speed and acceleration, resulting in an average speed reduction of about 2 mph and an overall reduction of fuel usage by as much as 20%.

## ENERGY REDUCTION RECOGNITION

Our energy-efficiency programs have been recognized by the U.S. Environmental Protection Agency (EPA) through the ENERGY STAR® and SmartWay® Programs.



The EPA also recognized MPC in 2018 as an ENERGY STAR Partner of the Year for Energy Management. This is the highest level of EPA recognition under the program, and we were the only petroleum company in 2018 to earn this distinction.

One of the primary drivers behind our achievement is the formation of a company-wide, cross-functional Energy Team where members share ideas, make plans and implement projects. In 2018, we also worked with the EPA and community stakeholders to host an Energy Industrial Showcase event with representatives from other industries and community members in the region at our Garyville, Louisiana, refinery. The event was an opportunity to share information about our energy-efficiency programs and will be held in future years following the success of this 2018 event.

Industry collaboration was another important factor in our success. In 2018, we worked with ENERGY STAR Partner companies and the EPA to benchmark and share best practices for building and growing energy-efficiency programs. As an outcome of this collaboration, we are assessing how we can further incorporate learned practices from other companies.

## GHG Emissions

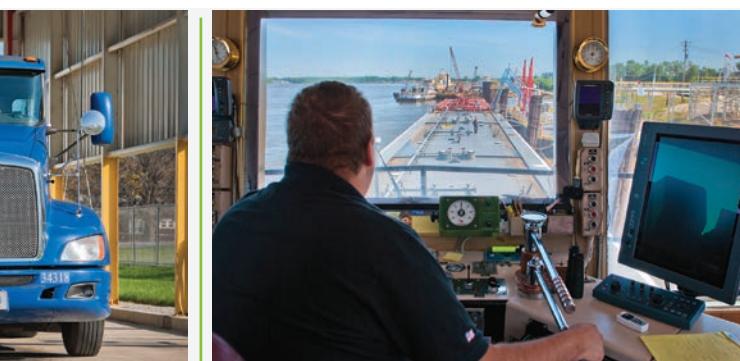
Due to the nature of our business, our operations result in both direct and indirect GHG emissions. Direct GHG emissions are produced through the combustion of natural gas and other fuels that we use to generate heat, steam and electricity and to power vehicles. Direct GHG emissions also result from the production of hydrogen. Indirect GHG emissions are the result of purchasing utilities such as electricity and steam. Beyond energy-efficiency measures, we have proactively taken other measures to reduce our GHG emissions per unit of throughput, referred to as GHG intensity.

In addition to reducing our energy use, we have focused on diversifying our business to include natural gas gathering and processing, biofuels manufacturing and expanded retail offerings. This strategy has significantly decreased the carbon intensity of our company over the past five years as more of our manufacturing inputs shift toward lower carbon-intensity fuels.

In 2018, we decreased our direct and indirect GHG emissions (also referred to as Scope 1 and 2 emissions) intensity by 2% through GHG emissions reduction methods such as flare reduction, actively reducing methane emissions and continuing to diversify our portfolio.



Includes data from 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, 2018.



## ENVIRONMENTAL ENHANCEMENTS AT TRUCK TERMINALS

Our Terminal, Transport and Rail organization continually examines its operations to bolster environmental performance. This has led to ongoing investments in upgraded technology at light-products terminals. We have installed vapor recovery units (VRUs) at 53 of our terminals in the Eastern United States to replace vapor combustion units. The older technology burns fuel vapors that result from loading transport trucks, but VRUs collect and recycle the vapors to eliminate emissions that would result from burning the vapors.

In 2018, our VRUs recovered approximately 16 million gallons of product, avoiding nearly 140,000 tonnes of GHG emissions.

Armed with this success, we also proactively installed continuous emission monitoring systems (CEMS) with SmartStart® VRU processing equipment at 46 terminals. The VRUs in these systems operate only when a truck is being loaded, resulting in power cost savings of more than \$1.2 million in 2018. The CEMS also helps us to lower GHG emissions, and aids regulatory compliance by shutting down the terminal if it detects elevated emission levels.

## LOWER SPEEDS, NEW FUEL, HYBRID POWER: A WINNING COMBINATION ON THE WATER

Our Marine group has been recognized by the Port of Long Beach, California, for its participation in the port’s Green Flag vessel speed-reduction program. Our vessels voluntarily lower their speeds to reduce emissions of diesel particulates, nitrogen oxides and sulfur oxides. In 2018, this practice also saved almost 67,000 gallons of fuel, which avoided an estimated 686 tonnes of GHG emissions.

Additionally, our Marine organization requires non-MPC vessels that come to any of our five docks in Long Beach to comply with these speed requirements. To further enhance these efforts, our vessels have switched from using fuel with 3.5% sulfur content to using fuel with only 0.1% sulfur content more than one year before it was required.



## FLARE REDUCTION STRATEGY

Flares are essential safety equipment that combust excess gases that are unable to be recovered. Flaring is, however, something we try to avoid where possible. To do so, we have a flare reduction program that helps us to prevent flaring, recover gases and ensure effective combustion, if gases must be flared.

In 2018, we completed a multiyear project to install flare-gas recovery systems at our refineries, with a total project cost of more than \$500 million. Flare-gas recovery systems recover gas that has entered the flare system, so it can be used as fuel within the refinery rather than being burned in the flare. Recovering these gases reduces the need to purchase natural gas, lowering GHG and pollutant emissions.

Since 2014, we have recovered more than 41 billion cubic feet of gases and avoided approximately 1.7 million tonnes of GHG emissions. In 2018 alone, we have avoided more than 500,000 tonnes of GHG emissions due to the flare-gas recovery systems. We estimate that our flare-reduction program has resulted in more than a 90% reduction in emissions of volatile organic compounds and a nearly 60% reduction in GHG emissions from flares.

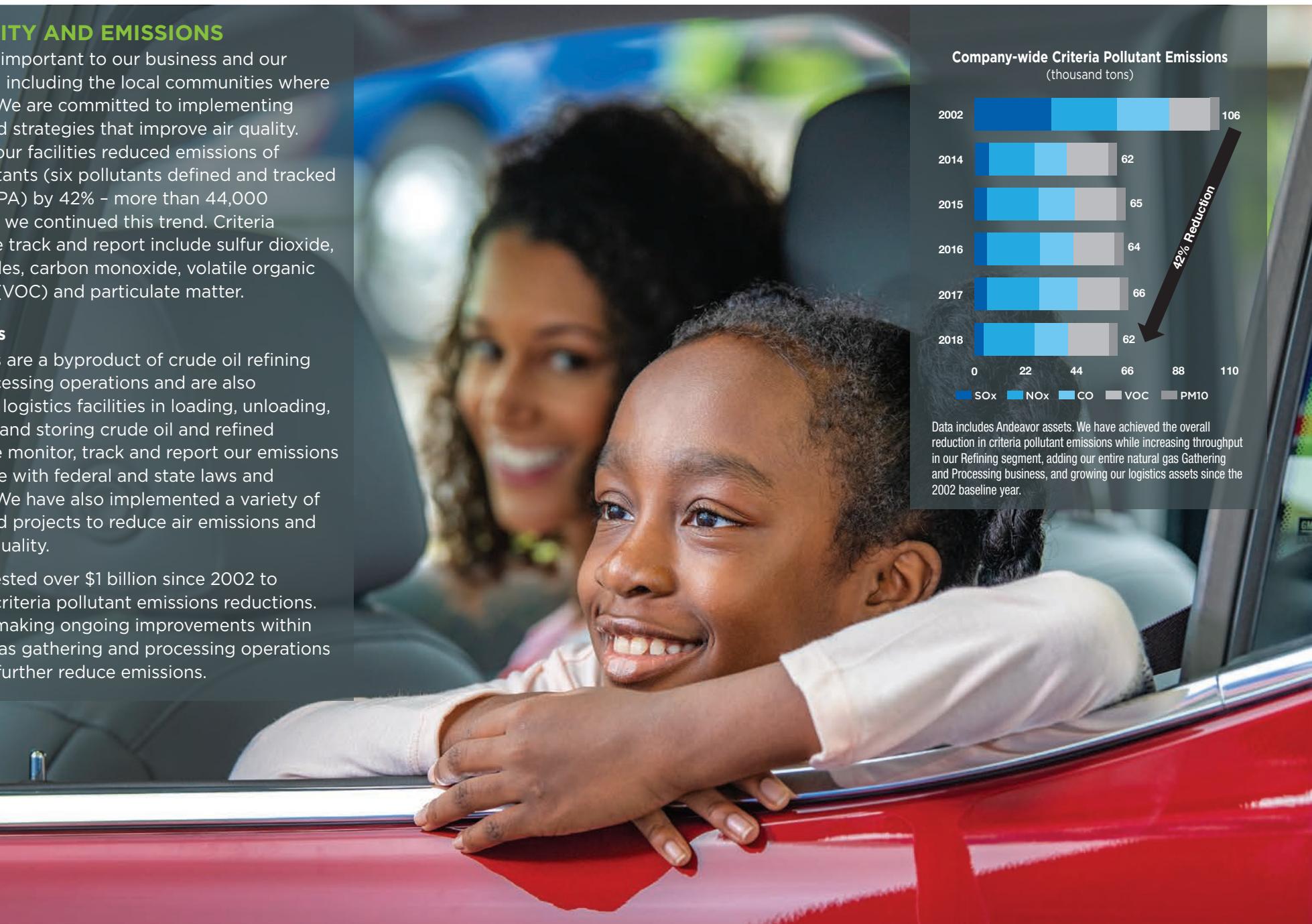
## AIR QUALITY AND EMISSIONS

Air quality is important to our business and our stakeholders, including the local communities where we operate. We are committed to implementing programs and strategies that improve air quality. Since 2002, our facilities reduced emissions of criteria pollutants (six pollutants defined and tracked by the U.S. EPA) by 42% – more than 44,000 tons. In 2018, we continued this trend. Criteria pollutants we track and report include sulfur dioxide, nitrogen oxides, carbon monoxide, volatile organic compounds (VOC) and particulate matter.

### Air Emissions

Air emissions are a byproduct of crude oil refining and gas-processing operations and are also generated at logistics facilities in loading, unloading, transporting and storing crude oil and refined products. We monitor, track and report our emissions in accordance with federal and state laws and regulations. We have also implemented a variety of programs and projects to reduce air emissions and improve air quality.

We have invested over \$1 billion since 2002 to achieve our criteria pollutant emissions reductions. We are also making ongoing improvements within our natural gas gathering and processing operations designed to further reduce emissions.





## WATER AND WASTEWATER

### Managing Our Water

Water is an essential resource to our business and managing it responsibly is critical to our operations, the communities where we operate and the environment. Water is used to add heat to the process (as steam), remove heat from the process (as cooling water), remove salts and impurities from crude oil, protect equipment from corrosion, generate hydrogen and clean equipment during maintenance activities.

With our recent acquisitions, we have additional operations located in water-stressed areas that are projected to become more stressed by mid-century due to population growth, changing climate and rainfall patterns. We monitor information sources such as the National Climate Assessment, Aqueduct Water Risk Atlas and real-time government drought data to identify which operating locations are in current and future water-stressed areas, so we can effectively focus resources accordingly.

### Managing Water in Water-stressed Regions

The availability of clean fresh water is vital to our operations and the communities where we operate. Responsibly managing the use and sourcing of fresh water is a critical focus, particularly in the water-stressed regions in the U.S.

Our primary water conservation efforts are divided into four primary areas: 1) design; 2) reduction; 3) reuse and recycling; and 4) sourcing. Specific case studies and our strategies for each of these focus areas can be read in our Perspectives on Climate-Related Scenarios report.

Within our Refining organization, we are developing a "Focus on Water" program similar to our "Focus on Energy" program described on Page 36 of this report.

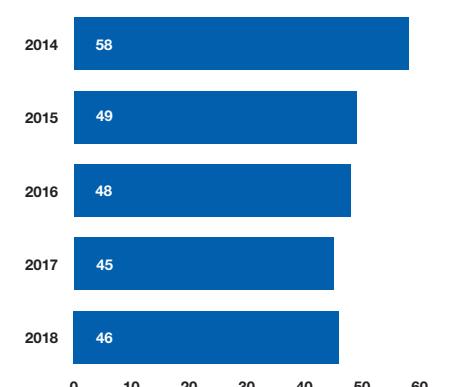


### Managing Wastewater

MPC's wastewater standards are established by the EPA and state regulatory agencies, which require that we obtain permits for wastewater discharges. We monitor the water we discharge to ensure we are meeting the standards reflected in these permits and report monthly to relevant regulatory agencies.

We actively track wastewater discharge to publicly owned treatment works (POTW), surface water and injection wells, and look for ways to reuse wastewater wherever possible. In the instances we are unable to recycle wastewater, we properly treat it before releasing it back into the environment. Wastewater discharged from our operations must meet strict quality standards.

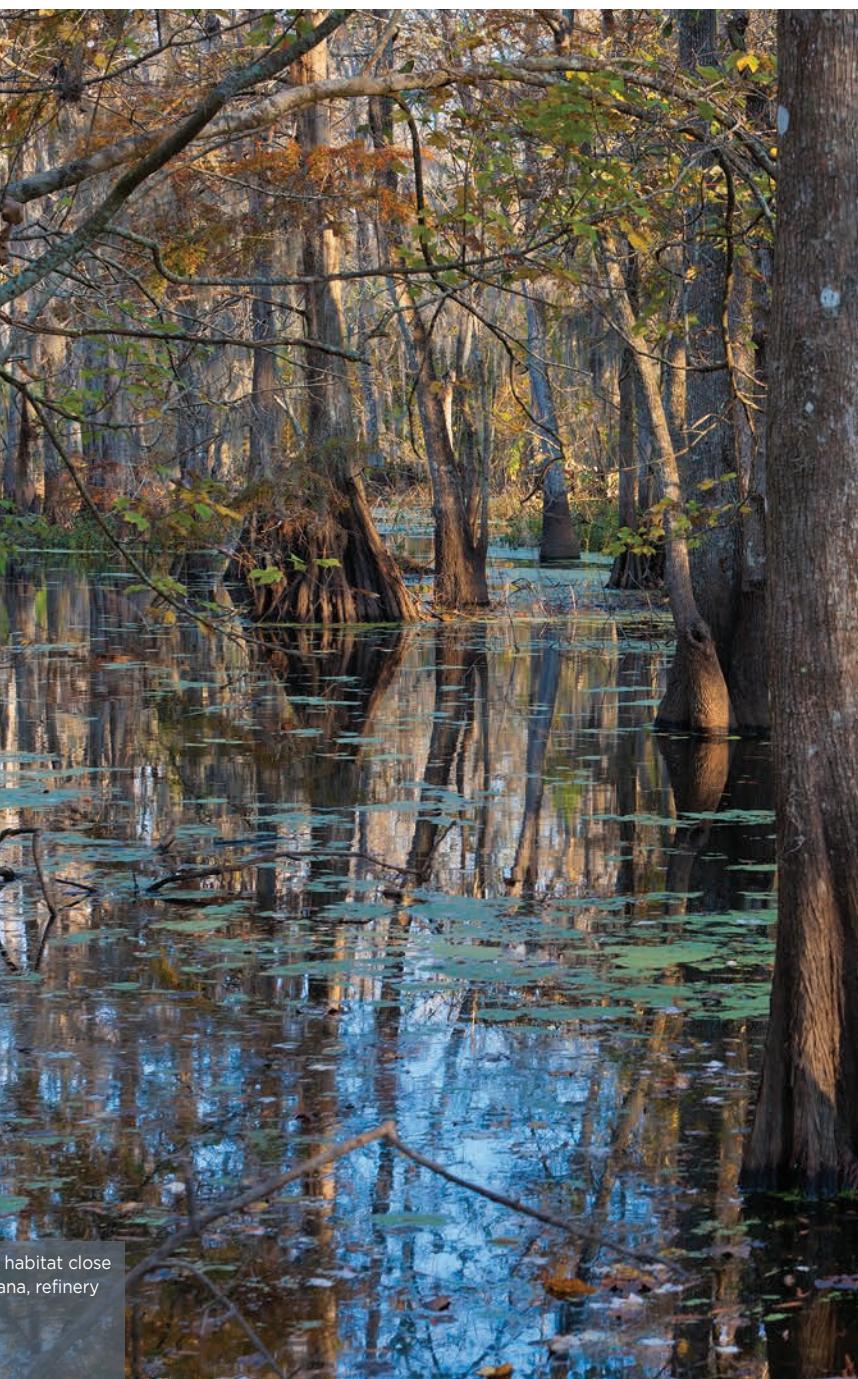
**Freshwater Withdrawal Intensity\***  
(m<sup>3</sup>/mboe input)



**Wastewater Discharge Intensity\***  
(m<sup>3</sup>/mboe input)



\*Charts on this page include Refining and Midstream operational segments. Includes MPC and Andeavor data for all years shown. Wastewater discharge levels are influenced by variation in annual precipitation levels.



## BIODIVERSITY

Some of our operations are located near environmentally sensitive habitats and ecosystems. As part of our commitment to being a responsible neighbor and community member, we work toward safeguarding and protecting our local habitats. This includes site reviews when determining new pipelines as well as our ownership and maintenance of wildlife habitats certified by the Wildlife Habitat Council (WHC).

In 2018, we owned 1,347 acres of WHC-certified habitat land across 23 certified habitats. The WHC promotes and certifies habitat conservation and management on corporate lands through partnerships and education. MPC participates in habitat certification and carries out community education and engagement programs and partnerships. Key highlights from 2018 include:

- Contributing to the Fort-Rouge Gateway (FRoG) Partnership, a Detroit-based group focused on developing the Fort Street Bridge Park, and hosting 60 eighth-graders at our conservation site near our Detroit refinery.
- Carrying out a project with Texas City Parks Department to reestablish wildlife habitats and a wildlife observation trail at local parks near our Galveston Bay refinery.
- Maintaining a 15-year partnership with local schools at Marathon Pipe Line's Martinsville, Illinois, location. A 2018 highlight was the "Formal Learning" project with local high school science classes to provide a field location and support for a grasshopper study at the location's conservation site.
- Hosting local community groups such as the Wabash Valley Pollinator Club at one of our Robinson refinery habitats in Illinois.

Other highlights include school partnerships and tours for students ranging from kindergarteners to college students, making habitats available to academic institutions for conservation studies, and opening our gates to community members simply wanting to enjoy the nature found in their local communities.

# Renewable Energy and Products

## OUR RENEWABLE PORTFOLIO

Over the years, we have made significant investments in the production and blending of renewable fuel sources and the research and development of new technology as part of our overall business strategy. Renewable products help MPC meet our compliance requirements but more importantly drive the continued improvement in fueling our nation and the world. In addition, MPC's strategy has helped to position us for future business success. Providing renewable transportation fuel – and associated renewable products – is an example of our approach and commitment to shared value.

## Renewable Production

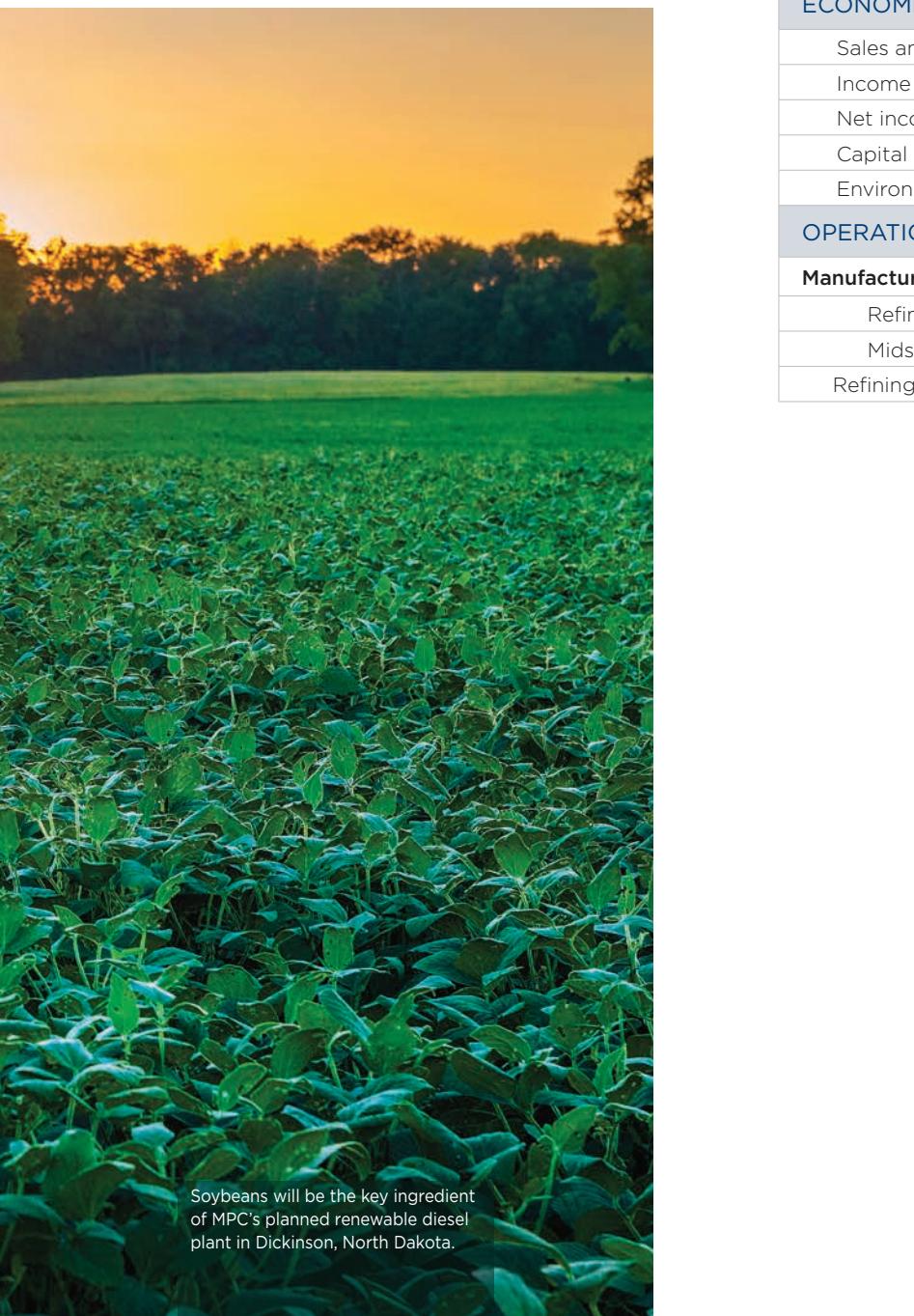
Through various operations and collaborations, we currently produce several forms of renewable fuel and blendstocks – products that are blended into gasoline or diesel fuel prior to its being sold. We produce approximately 410 million gallons of corn ethanol annually through joint ownership in three plants. We also own and operate a biodiesel plant that uses soybean oil as a feedstock.

In 2018, we completed a retrofit of a unit at our Dickinson, North Dakota, refinery to allow for the co-processing of renewable feedstock and regionally sourced Bakken crude oil, enabling the production of a 5% renewable diesel blend. Encouraged by this success, we made the final decision to complete the full conversion of the refinery's production to renewable diesel.

## Technology Advancement

With the aim of developing lower-carbon renewable products, we are working with several early-stage renewable companies. To support efficient and competitive renewable development, we are fostering technologies that will leverage our existing integrated refinery infrastructure to develop high-quality, low-carbon, infrastructure-compatible renewable products that can be blended seamlessly with traditional fuels for use in vehicles on the road today.

A wholly-owned subsidiary, Virent is focused on developing a commercial facility to produce cost-effective, low-carbon, bio-based fuels and bio-paraxylene (a key raw material used in the production of bio-polyester). We also are continuing a cooperative effort to develop the first commercial facility to process separated municipal solid waste to produce a bio-feedstock, which we intend to co-process at our Martinez, California, refinery along with traditional refinery feedstock.



Company Performance	Metric	2014	2015	2016	2017	2018
<b>ECONOMIC PERFORMANCE<sup>(1)</sup></b>						
Sales and other operating revenue	\$mm	97,817	72,051	63,339	74,733	96,504
Income from operations	\$mm	4,149	4,708	2,386	4,018	5,571
Net income attributable to MPC	\$mm	2,524	2,852	1,174	3,432	2,780
Capital expenditures and investments	\$mm	4,738	16,283	3,059	3,106	4,304
Environmental expenditures	\$mm	535	630	883	792	957
<b>OPERATIONAL PERFORMANCE</b>						
Manufacturing Inputs <sup>(2)</sup>	million boe	1,358	1,522	1,588	1,669	1,717
Refining	million boe	1,026	1,055	1,075	1,107	1,111
Midstream gas plants	million boe	332	466	513	562	605
Refining crude oil capacity utilization	percent	95	99	95	97	96

<b>Greenhouse Gas Emissions<sup>(2)(3)</sup></b>		<b>Metric</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Total company direct and energy indirect GHG emissions		million tonnes CO2e	42.2	43.9	45.2	44.2	44.4
Scope 1 direct GHG emissions <sup>(4)</sup>		million tonnes CO2e	35.3	36.1	36.9	36.7	36.4
CO <sub>2</sub> (carbon dioxide)		million tonnes CO2	34.6	35.3	35.9	35.8	35.5
CH <sub>4</sub> (methane)		thousand tonnes CH4	22.8	26.2	30.7	26.1	28.4
N <sub>2</sub> O (nitrous oxide)		thousand tonnes N2O	0.2	0.2	0.3	0.3	0.2
SF <sub>6</sub> and tracer (sulfur hexafluoride)		tonnes SF6 and tracer	0.8	3.7	1.4	0.04	2.2
<b>Refining</b>		<b>million tonnes CO2e</b>	<b>31.5</b>	<b>31.2</b>	<b>31.7</b>	<b>31.6</b>	<b>31.1</b>
From petroleum refining processes		million tonnes CO2e	25.0	24.8	25.1	25.0	24.6
From refinery flares		million tonnes CO2e	0.9	0.8	0.8	0.6	0.6
From hydrogen production		million tonnes CO2e	1.7	1.6	1.8	1.8	1.7
From cogeneration		million tonnes CO2e	4.8	4.8	4.8	4.7	4.8
Of which sold to 3rd parties		million tonnes CO2e	1.1	1.1	1.1	1.1	1.1
Refining excluding cogen to 3rd parties		million tonnes CO2e	30.4	30.1	30.6	30.5	30.0
<b>Midstream</b>		<b>million tonnes CO2e</b>	<b>3.7</b>	<b>4.9</b>	<b>5.1</b>	<b>5.1</b>	<b>5.3</b>
Natural gas gathering & processing		million tonnes CO2e	3.5	4.6	4.8	4.8	5.0
<b>Retail and other</b>		<b>million tonnes CO2e</b>	<b>0.04</b>	<b>0.04</b>	<b>0.03</b>	<b>0.04</b>	<b>0.04</b>
<b>Scope 2 energy indirect GHG emissions<sup>(5)</sup></b>		<b>million tonnes CO2e</b>	<b>6.9</b>	<b>7.8</b>	<b>8.3</b>	<b>7.6</b>	<b>8.0</b>
Refining		million tonnes CO2e	4.2	4.3	4.4	3.9	3.9
Midstream		million tonnes CO2e	2.3	3.1	3.4	3.2	3.7
Natural gas gathering & processing		million tonnes CO2e	1.8	2.6	2.8	2.8	3.1
Retail and other <sup>(6)</sup>		million tonnes CO2e	0.4	0.4	0.5	0.5	0.5
<b>Direct &amp; Indirect GHG Intensity</b>		<b>tonnes CO2e/mboe input</b>	<b>30.3</b>	<b>28.1</b>	<b>27.8</b>	<b>25.8</b>	<b>25.2</b>
Refining (excluding exported power)		tonnes CO2e/mboe input	33.8	32.6	32.5	31.0	30.4
Midstream Gathering & Processing (G&P)		tonnes CO2e/mboe input	16.0	15.3	14.9	13.6	13.4

<b>Air Emissions<sup>(2)(3)</sup></b>		<b>Metric</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Total MPC criteria pollutant emissions		thousand tons	61.6	64.5	64.2	66.2	61.7
SOx (oxides of sulfur)		thousand tons	6.0	5.4	5.2	3.8	
NOx (oxides of nitrogen)		thousand tons	19.8	22.2	22.9	22.8	21.9
CO (carbon monoxide)		thousand tons	14.0	15.0	14.4	16.3	14.6
VOC (volatile organic compounds)		thousand tons	17.8	18.0	17.8	18.3	17.6
PM <sub>10</sub> (particulate matter, less than 10 microns)		thousand tons	4.0	3.9	3.8	3.7	3.8
<b>Total MPC criteria pollutant Intensity</b>		<b>tons/million boe</b>	<b>45.3</b>	<b>42.4</b>	<b>40.5</b>	<b>39.7</b>	<b>35.9</b>
SOx		tons/million boe	4.4	3.6	3.4	3.1	2.2
NOx		tons/million boe	14.6	14.6	14.4	13.6	12.8
CO		tons/million boe	10.3	9.9	9.0	9.7	8.5
VOC		tons/million boe	13.1	11.8	11.2	11.0	10.2
PM <sub>10</sub>		tons/million boe	3.0	2.6	2.4	2.2	2.2
<b>Refining criteria pollutant emissions</b>		<b>thousand tons</b>	<b>43.5</b>	<b>41.0</b>	<b>40.6</b>	<b>39.0</b>	<b>36.9</b>
SOx		thousand tons	5.9	5.4	5.3	5.1	3.7
NOx		thousand tons	14.2	14.0	14.1	13.4	13.0
CO		thousand tons	9.5	9.1	9.1	9.0	8.5
VOC		thousand tons	10.0	9.0	8.7	8.3	8.4
PM <sub>10</sub>		thousand tons	3.8	3.6	3.4	3.2	3.3
<b>Refining criteria pollutant Intensity</b>		<b>tons/million boe</b>	<b>42.4</b>	<b>38.9</b>	<b>37.7</b>	<b>35.2</b>	<b>33.2</b>
SOx		tons/million boe	5.8	5.1	4.9	4.6	3.3
NOx		tons/million boe	13.9	13.3	13.2	12.1	11.7
CO		tons/million boe	9.3	8.6	8.4	8.1	7.6
VOC		tons/million boe	9.8	8.5	8.1	7.5	7.5
PM <sub>10</sub>		tons/million boe	3.7	3.4	3.2	2.9	2.9
<b>Midstream natural gas gathering &amp; processing criteria pollutant emissions</b>		<b>thousand tons</b>	<b>12.3</b>	<b>17.8</b>	<b>18.9</b>	<b>21.2</b>	<b>18.7</b>
SOx		thousand tons	0.0	0.0	0.1	0.1	0.1
NOx		thousand tons	5.1	7.7	8.3	8.9	8.5
CO		thousand tons	2.8	4.1	4.3	5.1	3.9
VOC		thousand tons	4.2	5.6	5.9	6.6	5.8
PM <sub>10</sub>		thousand tons	0.2	0.3	0.4	0.5	0.5
<b>Midstream natural gas gathering &amp; processing criteria pollutant Intensity</b>		<b>tons/million boe</b>	<b>37.1</b>	<b>38.2</b>	<b>36.8</b>	<b>37.7</b>	<b>30.9</b>
SOx		tons/million boe	0.1	0.1	0.1	0.1	0.1
NOx		tons/million boe	15.2	16.4	16.1	15.9	14.0
CO		tons/million boe	8.5	8.8	8.5	9.1	6.4
VOC		tons/million boe	12.6	12.1	11.4	11.8	9.5
PM <sub>10</sub>		tons/million boe	0.7	0.7	0.7	0.8	0.9
<b>Midstream logistics and storage and other criteria pollutant emissions</b>		<b>thousand tons</b>	<b>5.8</b>	<b>5.7</b>	<b>4.8</b>	<b>6.0</b>	<b>6.1</b>
SOx		thousand tons	0.00	0.00	0.02	0.02	0.01
NOx		thousand tons	0.5	0.5	0.5	0.4	0.4
CO		thousand tons	1.7	1.8	1.0	2.2	2.2
VOC		thousand tons	3.5	3.4	3.3	3.4	3.4
PM <sub>10</sub>		thousand tons	0.02	0.02	0.02	0.02	0.02

	Metric	2014	2015	2016	2017	2018
<b>WATER<sup>(7)</sup></b>						
<b>Freshwater withdrawal</b>	<b>million cubic meters (m<sup>3</sup>)</b>	<b>140</b>	<b>142</b>	<b>145</b>	<b>146</b>	<b>148</b>
Municipal	million m <sup>3</sup>	50	42	42	44	46
Groundwater	million m <sup>3</sup>	17	22	22	21	20
Surface Water	million m <sup>3</sup>	73	78	81	81	82
<b>Freshwater withdrawal intensity</b>	<b>m<sup>3</sup>/mboe input</b>	<b>103</b>	<b>93</b>	<b>91</b>	<b>88</b>	<b>86</b>
<b>Reclaimed water used<sup>(8)</sup></b>	<b>million m<sup>3</sup></b>	<b>8</b>	<b>7</b>	<b>8</b>	<b>8</b>	<b>7</b>
<b>Wastewater discharged</b>	<b>million m<sup>3</sup></b>	<b>78</b>	<b>74</b>	<b>76</b>	<b>75</b>	<b>79</b>
To publicly owned treatment works (POTW)	million m <sup>3</sup>	21	20	20	19	18
To injection well	million m <sup>3</sup>	2	2	3	3	2
To surface	million m <sup>3</sup>	55	51	53	54	58
<b>Wastewater discharge intensity</b>	<b>m<sup>3</sup>/mboe input</b>	<b>58</b>	<b>49</b>	<b>48</b>	<b>45</b>	<b>46</b>
<b>WASTE &amp; HAZARDOUS WASTE</b>						
<b>Hazardous waste generated and not recycled</b>	<b>thousand tons</b>	<b>23</b>	<b>33</b>	<b>20</b>	<b>24</b>	<b>16</b>
<b>Nonhazardous waste generated and not recycled</b>	<b>thousand tons</b>	<b>387</b>	<b>462</b>	<b>401</b>	<b>455</b>	<b>402</b>
<b>Waste recycled</b>	<b>thousand tons</b>	<b>279</b>	<b>317</b>	<b>293</b>	<b>182</b>	<b>230</b>
<b>OIL SPILLS &gt; 1 BBL<sup>(9)</sup></b>						
<b>Oil spilled to land</b>	<b>bbl</b>	<b>17,044</b>	<b>1,385</b>	<b>3,483</b>	<b>3,922</b>	<b>2,223</b>
Count of land spills > 1 bbl	count	117	114	115	111	158
<b>Oil spilled to water</b>	<b>bbl</b>	<b>37.6</b>	<b>2.9</b>	<b>871.1</b>	<b>49.8</b>	<b>1,473.2</b>
Count of water spills > 1 bbl	count	17	12	11	28	25

	Metric	2014	2015	2016	2017	2018
<b>ENERGY USE</b>						
<b>Total energy use</b>	<b>billion gigajoules</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>
Refining	billion gigajoules	0.5	0.5	0.5	0.5	0.5
Midstream G&P	billion gigajoules	0.0	0.0	0.0	0.1	0.1
<b>Energy intensity</b>	<b>gigajoules/boe processed</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>
Refining	gigajoules/boe processed	0.5	0.5	0.5	0.5	0.5
Midstream G&P	gigajoules/boe processed	0.1	0.1	0.1	0.1	0.1
<b>Avoided energy consumption from efficiency efforts</b>	<b>million gigajoules</b>	<b>17.5</b>	<b>19.1</b>	<b>25.9</b>	<b>18.4</b>	<b>20.1</b>
<b>TIER 2, 3 AND 4 DESIGNATED ENVIRONMENTAL INCIDENTS (DEIs)<sup>(10)</sup></b>						
<b>Count of Tier 2, 3 and 4 DEIs</b>	Count	<b>225</b>	<b>124</b>	<b>119</b>	<b>98</b>	<b>116</b>
Tier 2 DEIs	Count	175	80	80	67	93
Tier 3 and 4 DEIs	Count	50	44	39	31	23
<b>CERTIFIED WILDLIFE HABITATS</b>						
<b>Number of Wildlife Habitat Council (WHC) certified habitats maintained by MPC</b>	<b>Count</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>21</b>	<b>23</b>
Total Acres of land	Acres	1,289	1,284	1,327	1,352	1,347
<b>Workforce</b>						
<b>Total Workforce<sup>(11)</sup></b>	<b>employees</b>	<b>45,340</b>	<b>45,440</b>	<b>44,460</b>	<b>43,800</b>	<b>60,350</b>
Women	percent	50	51	50	50	46
Racial/ethnic minority groups	percent	27	25	26	27	31
<b>Workforce excluding Speedway<sup>(11)</sup></b>	<b>employees</b>	<b>9,940</b>	<b>11,620</b>	<b>11,580</b>	<b>11,650</b>	<b>20,120</b>
Women	percent	20	20	20	20	19
Racial/ethnic minority groups	percent	12	12	12	12	22
<b>Total hires<sup>(12)</sup></b>	<b>employees</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>2,650</b>
Women	percent	NA	NA	NA	NA	24
Racial/ethnic minority groups	percent	NA	NA	NA	NA	19
<b>Unionized employees</b>	<b>employees</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>4,780</b>

Personal Safety Performance <sup>(2)(3)</sup>		Metric	2014	2015	2016	2017	2018
<b>TOTAL COUNT OF SAFETY INCIDENTS</b>							
<b>Refining</b>	<b>Count</b>	<b>115</b>	<b>97</b>	<b>105</b>	<b>85</b>	<b>78</b>	
Employee	Count	39	38	45	37	25	
Contractor	Count	76	59	60	48	53	
<b>Midstream</b>	<b>Count</b>	<b>57</b>	<b>95</b>	<b>89</b>	<b>110</b>	<b>130</b>	
Employee	Count	41	68	70	55	34	
Contractor	Count	16	27	19	55	96	
<b>Retail</b>	<b>Count</b>	<b>532</b>	<b>669</b>	<b>683</b>	<b>612</b>	<b>681</b>	
Employee	Count	519	665	682	612	680	
Contractor	Count	13	4	1	0	1	
<b>FATALITIES<sup>(13)</sup></b>							
<b>Total company</b>	<b>Count</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>2</b>	
Employee	Count	0	0	0	0	1	
Contractor	Count	0	0	2	1	1	
<b>FATALITY RATE<sup>(13)</sup></b>							
<b>Total company</b>	<b>per 200,000 hours worked</b>	<b>0.000</b>	<b>0.000</b>	<b>0.002</b>	<b>0.001</b>	<b>0.002</b>	
Employee	per 200,000 hours worked	0.000	0.000	0.000	0.000	0.002	
Contractor	per 200,000 hours worked	0.000	0.000	0.008	0.004	0.004	
<b>OSHA RECORDABLE INCIDENT RATE<sup>(14)</sup></b>							
<b>Refining</b>	<b>per 200,000 hours worked</b>	<b>0.40</b>	<b>0.36</b>	<b>0.34</b>	<b>0.29</b>	<b>0.27</b>	
Employee	per 200,000 hours worked	0.31	0.31	0.36	0.30	0.20	
Contractor	per 200,000 hours worked	0.46	0.39	0.33	0.28	0.32	
<b>Midstream</b>	<b>per 200,000 hours worked</b>	<b>0.66</b>	<b>0.82</b>	<b>0.63</b>	<b>0.65</b>	<b>0.76</b>	
Employee	per 200,000 hours worked	0.82	1.19	0.93	0.73	0.45	
Contractor	per 200,000 hours worked	0.44	0.46	0.29	0.59	1.00	
<b>Retail</b>	<b>per 200,000 hours worked</b>	<b>2.36</b>	<b>2.03</b>	<b>2.08</b>	<b>1.81</b>	<b>1.99</b>	
Employee	per 200,000 hours worked	2.31	2.02	2.08	1.82	1.99	
Contractor	per 200,000 hours worked	18.33	5.52	1.32	0.00	1.44	
<b>DAYS AWAY RESTRICTED OR TRANSFERRED RATE<sup>(15)</sup></b>							
<b>Refining</b>	<b>per 200,000 hours worked</b>	<b>0.06</b>	<b>0.08</b>	<b>0.07</b>	<b>0.04</b>	<b>0.04</b>	
Employee	per 200,000 hours worked	0.06	0.10	0.07	0.07	0.07	
Contractor	per 200,000 hours worked	0.06	0.06	0.07	0.02	0.02	
<b>Midstream</b>	<b>per 200,000 hours worked</b>	<b>0.19</b>	<b>0.27</b>	<b>0.23</b>	<b>0.19</b>	<b>0.20</b>	
Employee	per 200,000 hours worked	0.32	0.52	0.36	0.25	0.19	
Contractor	per 200,000 hours worked	0.00	0.02	0.08	0.14	0.21	
<b>Retail</b>	<b>per 200,000 hours worked</b>	<b>1.50</b>	<b>1.10</b>	<b>1.10</b>	<b>0.97</b>	<b>1.20</b>	
Employee	per 200,000 hours worked	1.47	1.10	1.10	0.98	1.20	
Contractor	per 200,000 hours worked	12.69	1.38	1.32	0.00	0.00	

Process Safety Performance	Metric	2014	2015	2016	2017	2018
<b>PROCESS SAFETY EVENT RATE<sup>(16)</sup></b>						
<b>Tier 1 Refining</b>	$(\text{Total Tier 1 Count} / \text{Total Work Hours}) \times 200,000$	0.06	0.08	0.04	0.05	0.05
<b>Tier 1 Midstream<sup>(17)</sup></b>	$(\text{Total Tier 1 Count} / \text{Total Work Hours}) \times 200,000$	0.07	0.02	0.00	0.05	0.07
<b>Tier 2 Refining</b>	$(\text{Total Tier 2 Count} / \text{Total Work Hours}) \times 200,000$	0.21	0.22	0.16	0.15	0.16
<b>Tier 2 Midstream<sup>(17)</sup></b>	$(\text{Total Tier 2 Count} / \text{Total Work Hours}) \times 200,000$	0.13	0.14	0.06	0.14	0.14

**Notes**<sup>(1)</sup> As reported in the MPC 2018 Annual Report on Form 10-K.<sup>(2)</sup> Includes data from 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, 2018, unless otherwise noted.<sup>(3)</sup> Environmental performance reported for facilities of which MPC has operational control.<sup>(4)</sup> Scope 1 direct GHG emissions include those from Refining, Midstream & Retail and are typically calculated per the EPA's Mandatory Greenhouse Gas Reporting Program or the 2009 API Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry. Global Warming Potentials used are from Table A-1 to Subpart A of 40 CFR Part 98 as of the year they were reported. It includes emissions from fuel combustion, company vehicles and fugitive emissions.<sup>(5)</sup> Scope 2 emissions include indirect GHG emissions from consumption of purchased electricity, heat or steam.<sup>(6)</sup> "Other" includes the administrative office complex in Findlay, Ohio.<sup>(7)</sup> Includes Refining and Midstream business segments.<sup>(8)</sup> Includes purchased treated wastewater and water re-used within the organization (e.g., filtering and reusing refinery wastewater effluent).<sup>(9)</sup> Spills that are < 1 bbl but reported to an agency due to local regulation also included; spill data from entities purchased by MPC included as reported by the acquired company.<sup>(10)</sup> DEIs include three categories of environmental incidents: releases to the environment (air, land or water), environmental permit exceedances and agency enforcement actions. These include both Speedway and MPC/MPLX. 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 and were brought into the DEI program.<sup>(11)</sup> 2018 data reflects our workforce post-Andeavor combination. 2014-2017 data is pre-combination.<sup>(12)</sup> Excludes Speedway and employees who joined through our strategic combination with Andeavor.<sup>(13)</sup> Includes occurrences during MPC ownership.<sup>(14)</sup> The OSHA Recordable Incident Rate represents the number of incidents per 200,000 hours of work, and includes data from 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, 2018, unless otherwise noted.<sup>(15)</sup> The Days Away rate represents injuries that caused at least one missed day of work per 200,000 hours of work, and includes data from 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, 2018, unless otherwise noted.<sup>(16)</sup> Process safety events (PSEs) are unplanned or uncontrolled releases of a material from one of MPC's processes. PSE rate is the count of events per 200,000 hours. Tier 1 PSEs are the most serious PSEs.<sup>(17)</sup> PSE data for MPLX G&P and former Andeavor Logistics assets not included in the 2014 - 2016 Midstream PSE rates as the input data is not available.

IPIECA GRI Index				
IPIECA Topic(s)	IPIECA Indicator	GRI Standard & Disclosure	Location of Disclosure	MPC Material Topic
Climate Change & Energy	E1: Greenhouse gas emissions	201-2: Financial implications and other risks and opportunities due to climate change 305-1: Direct (Scope 1) GHG emissions 305-2: Energy indirect (Scope 2) GHG emissions 305-4: GHG emissions intensity	2018 Sustainability Report, Page 37 2019 Perspectives on Climate-Related Scenarios Report 2018 Annual Report	Air Emissions (including greenhouse gas emissions)
Climate Change & Energy	E2: Energy use	201-2: Financial implications and other risks and opportunities due to climate change 302-1: Energy consumption within the organization 302-3: Energy intensity 302-4: Reduction of energy consumption	2018 Sustainability Report, Page 36 2019 Perspectives on Climate-Related Scenarios Report 2018 Annual Report	Renewable Energy; Air Emissions (including greenhouse gas emissions)
Climate Change & Energy	E4: Flared gas	N/A	2018 Sustainability Report, Page 38 2019 Perspectives on Climate-Related Scenarios Report 2018 Annual Report	Renewable Energy; Air Emissions (including greenhouse gas emissions)
Endangered Species & Ecosystems	E5: Biodiversity and ecosystem services	304-3: Habitats protected or restored	2018 Sustainability Report, Page 43	Endangered Species & Ecosystems
Water	E6: Fresh water	201-2: Financial implications and other risks and opportunities due to climate change 303-1: Interactions with water as a shared resource 303-3: Water withdrawal	2018 Sustainability Report, Page 42 2019 Perspectives on Climate-Related Scenarios Report 2018 Annual Report	Water Use and Wastewater Management
Water	E7: Discharges to water	201-2: Financial implications and other risks and opportunities due to climate change 303-4: Water discharge	2018 Sustainability Report, Page 42 2019 Perspectives on Climate-Related Scenarios Report 2018 Annual Report	Water Use and Wastewater Management
Local Environmental Impact	E8: Other air emissions	201-2: Financial implications and other risks and opportunities due to climate change 305-7: Nitrogen oxides (NOX), sulfur oxides (SOX), and other significant air emissions	2018 Sustainability Report, Page 39 2019 Perspectives on Climate-Related Scenarios Report 2018 Annual Report	Air Emissions (including greenhouse gas emissions)
Local Environmental Impact	E9: Spills to the environment	306-3: Significant spills	2018 Sustainability Report, Page 40 2018 Annual Report	Oil Spill Prevention
Local Environmental Impact	E10: Waste	306-2: Waste by type and disposal method	2018 Sustainability Report, Page 41	Waste Minimization and Handling
Product Health, Safety & Environmental Risks	HS1: Workforce participation	403-4: Worker participation, consultation, and communication on occupational health and safety	2018 Sustainability Report, Page 14 2018 Annual Report MPC Health & Safety website	Asset Safety; Worker Safety
Product Health, Safety & Environmental Risks	HS2: Workforce health	403-1: Occupational health and safety management system 403-3: Occupational health services 403-5: Worker training on occupational health and safety 403-6: Promotion of worker health 403-7: Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	2018 Sustainability Report, Pages 12-17 2018 Annual Report MPC Health & Safety website	Asset Safety; Worker Safety

IPIECA GRI Index				
IPIECA Topic(s)	IPIECA Indicator	GRI Standard & Disclosure	Location of Disclosure	MPC Material Topic
Product Health, Safety & Environmental Risks	HS3: Occupational injury and illness incidents	403-9: Work-related injuries	2018 Sustainability Report, Page 13 2018 Annual Report MPC Health & Safety website	Asset Safety; Worker Safety
Process Safety & Asset Integrity	HS5: Process safety	403-1: Occupational health and safety management system 403-7: Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	2018 Sustainability Report, Page 16 2018 Annual Report MPC Health & Safety website	Asset Safety; Worker Safety
Community & Society	SE1: Local community impacts and engagement	102-40: List of stakeholder groups 102-42: Identifying and selecting stakeholders	2018 Sustainability Report, Pages 21, 28-33 2018 Annual Report	Philanthropic Investment and Employee Volunteerism; Community and Stakeholder Engagement
Community & Society	SE2: Indigenous peoples	411-1: Incidents of violations involving rights of indigenous peoples	2018 Sustainability Report, Page 21	Native People Engagement
Community & Society	SE4: Social investment		2018 Sustainability Report, Pages 28-33	Philanthropic Investment and Employee Volunteerism
Business & Transparency	SE11: Preventing corruption	205-2: Communication and training about anti-corruption policies and procedures	2018 Sustainability Report, Pages 18-19 2019 Proxy Statement	Anti-corruption Practices; Ethical Business Practices
Business & Transparency	SE12: Preventing corruption involving business partners	205-2: Communication and training about anti-corruption policies and procedures	2018 Sustainability Report, Page 18 2018 Annual Report	Anti-corruption Practices; Ethical Business Practices
Business & Transparency	SE14: Public advocacy and lobbying	415-1: Political contributions	2018 Sustainability Report, Page 20 2018 Annual Report MPC Political Engagement & Disclosure website	Ethical Business Practices
Labor Practice	SE15: Workforce diversity and inclusion	405-1: Diversity of governance bodies and employees	2018 Sustainability Report, Pages 23-27 2018 Annual Report 2019 Proxy Statement	Workforce Diversity, Inclusion and Equal Opportunity; Board and Executive Leadership Diversity
Labor Practice	SE17: Workforce training and development		2018 Sustainability Report, Pages 13, 15, 18, 19, 25, 26, 40	
Labor Practice	SE18: Non-retaliation and grievance system		2018 Sustainability Report, Pages 14, 19	Anti-corruption Practices; Ethical Business Practices

We are committed to incremental improvements and updates related to our sustainability performance and strategy, and will update our GRI/IPIECA index throughout the year as more information and disclosures are available. To see the latest version of our Index, please visit our website.

# Glossary

**BBL:** Barrel (42 U.S. gallons)

**BOE:** Barrel of oil equivalent, used to measure both oil and natural gas. Equivalent to the amount of energy in one barrel of crude oil.

**BPD:** Barrels per day

**BTU:** British thermal unit. A measure of heat energy often used to quantify the energy in different types of fuel. For example, gasoline has 124,300 Btu per gallon, and ethanol has 84,500 Btu per gallon.

**CO<sub>2</sub>E:** Carbon dioxide equivalent. Because various greenhouse gases have heat-trapping effects that are stronger or weaker than carbon dioxide (CO<sub>2</sub>), they are often expressed as the equivalent amount of CO<sub>2</sub> to provide a consistent measure.

**DAR:** Days Away Rate. An OSHA term representing the number of full days of work missed by employees due to injuries, per 200,000 work hours.

**DEI:** Designated Environmental Incident. A metric adopted by MPC to capture several categories simultaneously. It includes releases to the environment (including to air, land or water), permit exceedances and agency enforcement actions. MPC ranks DEIs in terms of their severity, with Tier 4 being the most severe, and Tier 1 being the least. Below are partial descriptions of the DEI Tiers:

## TIER 4

- 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

**IPIECA:** International Petroleum Industry Environmental Conservation Association. The global oil and gas industry's association for advancing environmental and social performance.

## 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:** An EPA program 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. federal government's Environmental Protection Agency

**G&P:** Natural gas gathering and processing

**GHG:** Greenhouse gases, so named because of their heat-trapping properties. They include carbon dioxide, methane, nitrous oxide and other substances.

**GIGAJOULE:** A measurement unit of energy. One gigajoule is roughly equivalent to 1 million British thermal units.

**GRI:** Global Reporting Initiative. An independent international organization that provides standards on sustainability reporting.

**HES&S:** MPC's Health, Environment, Safety & Security organization, which is tasked with planning, executing, monitoring and continually improving the company's performance in these critical areas.

**IPIECA:** International Petroleum Industry Environmental Conservation Association. The global oil and gas industry's association for advancing environmental and social performance.

**MBOE:** Thousands of barrels of oil equivalent. One barrel of oil equivalent is approximately 5.8 million British thermal units.

**MM:** Millions

**MPC:** Marathon Petroleum Corporation

**OSHA:** The U.S. federal government's Occupational Safety and Health Administration.

**ORIR:** OSHA Recordable Incident Rate. An OSHA term representing the number of injuries of the types that must be reported to OSHA, per 200,000 work hours.

**PSE:** Process safety event. These are unplanned or uncontrolled releases of a material from one of MPC's processes. 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 ISO14001 environmental management system, established by the International Organization for Standardization.

**TONNE:** Metric ton. While a ton is 2,000 pounds, a tonne (or metric ton) is 2,205 pounds.

## Disclosures regarding forward-looking statements

This publication includes forward-looking statements. You can identify our forward-looking statements by words such as "anticipate," "believe," "design," "estimate," "expect," "forecast," "goal," "guidance," "imply," "intend," "objective," "opportunity," "outlook," "plan," "position," "pursue," "prospective," "predict," "project," "potential," "seek," "strategy," "target," "could," "may," "should," "would," "will," or other similar expressions that convey the uncertainty of future events or outcomes. We have based our forward-looking statements on our current expectations, estimates and projections about our industry and our company. We caution that these statements are not guarantees of future performance and you should not rely unduly on them, as they involve risks, uncertainties and assumptions that we cannot predict. In addition, we have based many of these forward-looking statements on assumptions about future events that may prove to be inaccurate. While our management considers these assumptions to be reasonable, they are inherently subject to significant business, economic, competitive, regulatory and other risks, contingencies and uncertainties, most of which are difficult to predict and many of which are beyond our control. Accordingly, our actual results may differ materially from the future performance that we have expressed or forecast in our forward-looking statements, in accordance with "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, we have included in our Form 10-K for the year ended Dec. 31, 2018, and Forms 10-Q, cautionary language identifying important factors, though not necessarily all such factors, that could cause future outcomes to differ materially from those set forth in the forward-looking statements. Copies of MPC's Form 10-K and Forms 10-Q are available on the SEC website, MPC's website at <https://www.marathonpetroleum.com/investors/> or by contacting MPC's Investor Relations office.



MPC's refinery in Dickinson, North Dakota. A project under way at the facility will convert it to the production of renewable diesel.



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MPC employees volunteer at Bonita  
Elementary School in Los Angeles