



# The BUSINESS of MPC

Marathon Petroleum Corporation





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## Marathon Petroleum Corporation Overview

With more than 130 years in the energy business, Marathon Petroleum Corporation (MPC) is one of the largest independent petroleum product refining, marketing, retail and transportation businesses in the U.S. MPC is an industry leader emphasizing safe and reliable operations.

MPC is headquartered in Findlay, Ohio, and trades on the New York Stock Exchange under the ticker symbol MPC. Our operations consist of three segments: Refining and Marketing, Speedway, and Midstream. Each of these segments is organized and managed based upon the nature of the products and services it offers.

### Refining and Marketing

MPC refines crude oil and other feedstocks at its six refineries in the Gulf Coast and Midwest regions of the U.S., purchases refined products and ethanol for resale, and distributes refined products through various means, including pipeline and marine transportation, terminals and storage services provided by our Midstream segment. MPC sells refined products to wholesale marketing customers domestically and internationally, buyers on the spot market, our Speedway® business segment and to independent entrepreneurs who operate Marathon® retail outlets.



### Speedway

Speedway LLC (Speedway), a wholly owned subsidiary and the nation's second-largest company-owned and -operated convenience store chain, sells transportation fuels and convenience products in the retail market in the Midwest, East Coast and Southeast regions of the United States.

### Midstream

The Midstream segment gathers, processes and transports natural gas; gathers, transports, fractionates, stores and markets NGLs; and transports and stores crude oil and refined products primarily for the Refining and Marketing segment via pipelines, terminals, towboats and barges. Our Midstream segment includes MPLX LP (MPLX), a diversified, growth-oriented master limited partnership with operations located primarily in the Midwest, Northeast and Southwest.

With a long history dating back to the earliest years of the oil industry, MPC and its approximately 43,800 employees are focused on delivering value to our stakeholders and customers and look forward to continued success.

## Officers



**Gary R. Heminger**  
Chairman and Chief Executive Officer



**Donald C. Templin**  
President



**Anthony R. Kenney**  
President, Speedway LLC



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



**Timothy T. Griffith**  
Senior Vice President and Chief Financial Officer



**Thomas M. Kelley**  
Senior Vice President, Marketing



**C. Michael Palmer**  
Senior Vice President, Supply, Distribution and Planning



**David R. Sauber**  
Senior Vice President, Human Resources, Health and Administrative Services



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



**Suzanne Gagle**  
Vice President and General Counsel



**Thomas Kaczynski**  
Vice President, Finance and Treasurer



**D. Rick Linhardt**  
Vice President, Tax



**Brian K. Partee**  
Vice President, Business Development



**John J. Quaid**  
Vice President and Controller



**Donald W. Wehrly**  
Vice President and Chief Information Officer



**David L. Whitehart**  
Vice President, Environment, Safety and Corporate Affairs

Editor's Note: The information in this publication is current through Dec. 31, 2017, unless otherwise noted. All volumes are net sales.

## Our Corporate Values

MPC is in the business of creating value for our shareholders through the quality products and services we provide for our customers. We strongly believe how we conduct our business is just as integral to our performance. As a result, we strive to always act responsibly with those who work for us, with those business partners who work with us, and in every community where we operate. As such, several core principles guide MPC's approach to doing business, including:

- **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, enforcing strict principles of corporate governance. We 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.
- **Diversity and Inclusion:** 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.

Our values-based approach to doing business has worked well as indicated by the following results:

- MPC leads the refining industry in energy efficiency. Since the EPA's ENERGY STAR Program began, MPC has received 39 of the 51 ENERGY STAR designations awarded to refineries. This represents 76 percent of the recognitions despite owning and operating approximately 10 percent of the total U.S. refining capacity.
- For more than 15 years, MPC has used the Responsible Care® Management System to continually improve our performance in health, environment, safety and security. We are now transitioning to RC14001®, a more rigorous phase of HES&S management that represents a new level of commitment.
- Fifteen of MPC's locations, including our headquarters and four of our refineries, are certified as Star sites for excellence in health, environment and safety, under the federal Occupational Safety and Health Administration's Voluntary Protection Program.



# 15

MPC facilities have earned the federal Occupational Safety and Health Administration's **highest Voluntary Protection Program status.**

MPC has earned

# 76%

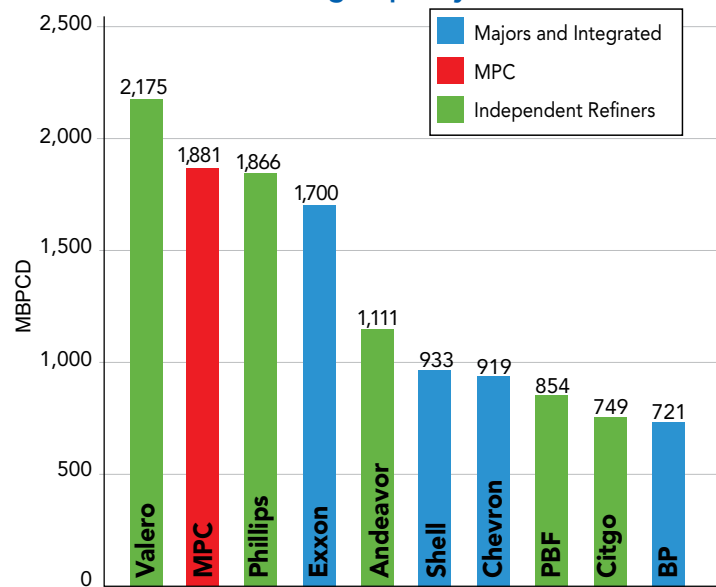
of the Environmental Protection Agency's ENERGY STAR recognitions awarded to refineries.



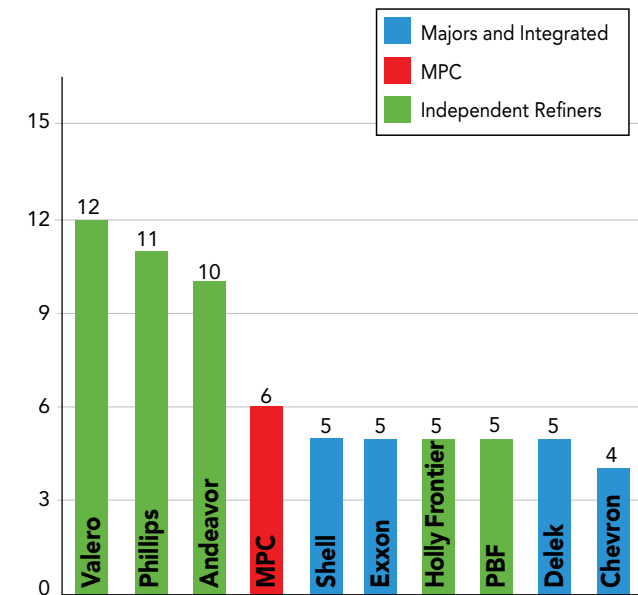
*Wildlife habitat at Speedway headquarters, Enon, Ohio*

## Industry Rankings

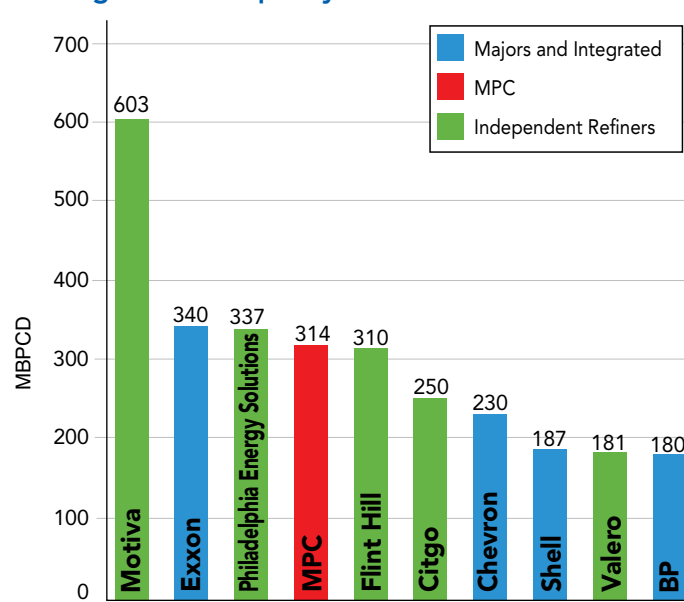
### Total U.S. Crude Refining Capacity<sup>(1)</sup>



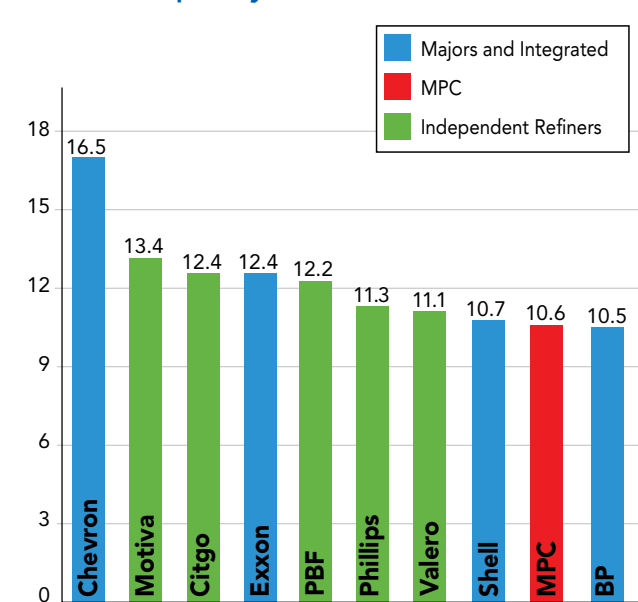
### Number of U.S. Refineries<sup>(1)</sup>



### Average Crude Capacity of U.S. Refineries<sup>(1)</sup>



### Nelson Complexity Index<sup>(1)</sup>



<sup>(1)</sup> Top 10 rankings per category based upon MPC data as of Jan. 1, 2018. Company data as reported in the Oil and Gas Journal 2017 Worldwide Refining Survey, published on Dec. 1, 2017.

## Refining and Marketing

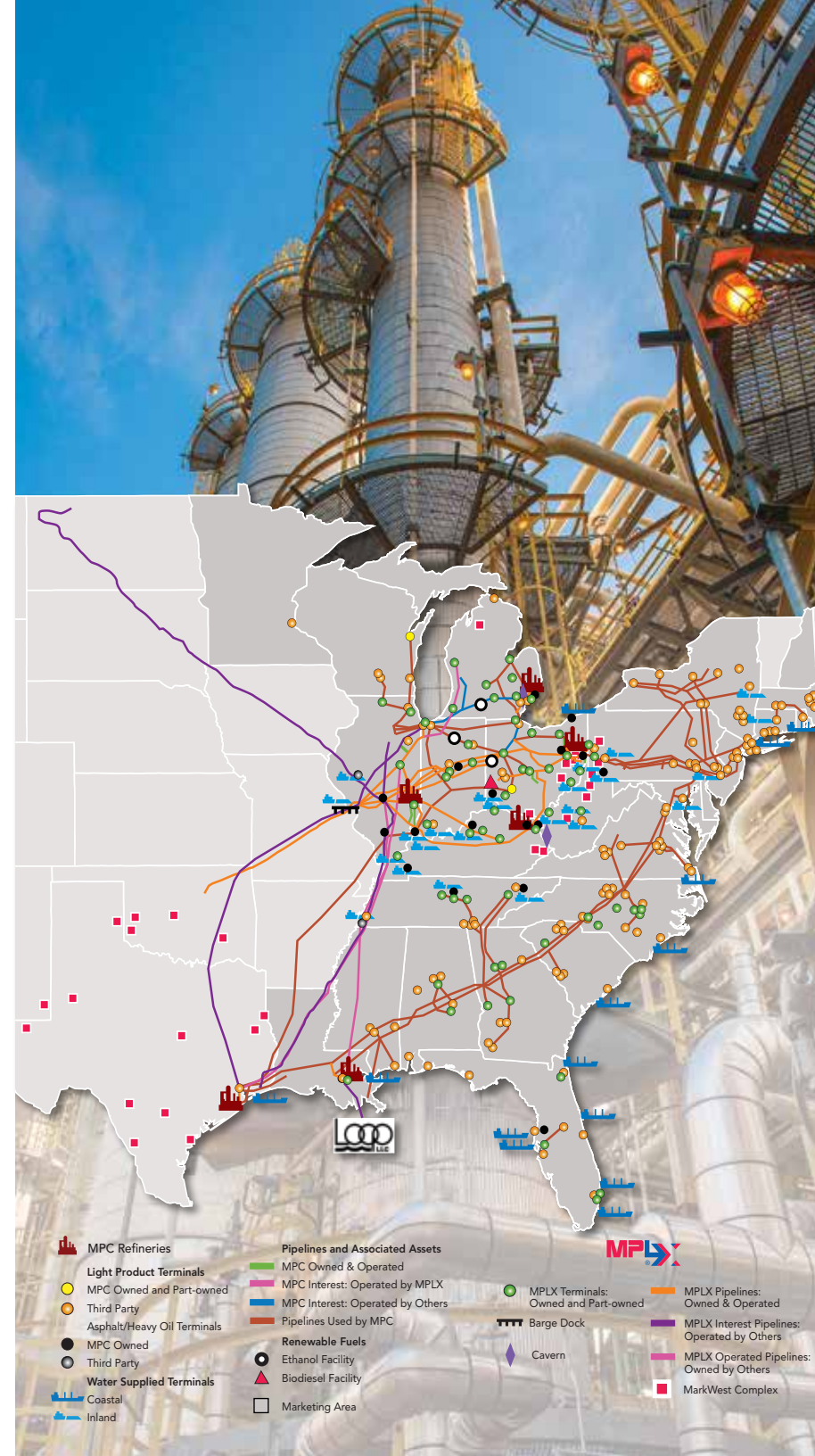
Through MPC's Refining and Marketing segment, we refine crude oil and other feedstocks at our six U.S. refineries, purchase refined products and ethanol for resale, and distribute refined products through various means, including pipeline and marine transportation, terminals and storage services provided by our Midstream segment. We sell refined products to wholesale marketing customers domestically and internationally, buyers on the spot market, our Speedway business segment, and to independent entrepreneurs who operate Marathon retail outlets.

### Refining Overview

MPC is the second-largest crude oil refiner in the U.S. and the largest in the Midwest. We own a six-plant refinery network located in the Midwest and Gulf Coast regions of the U.S., with approximately 1,881,000 bpcd of crude oil throughput capacity. The geographic locations of our refineries provide us with strategic advantages. Our refineries are integrated with each other via pipelines, terminals and barges to maximize operating efficiency.

Our refineries have the ability to procure crude oil from a variety of supply sources, which provides us with flexibility to optimize crude supply costs. MPC processes a diverse slate of crude oil. The typical slate in 2017 consisted of about 59 percent sour crude oil and 41 percent sweet crude oil. During 2017, approximately 57 percent of this crude oil was acquired from U.S. producers, an additional 21 percent from Canada and 22 percent from other international sources.

MPC's focus on safe, efficient and reliable operations ensures that the company's refineries are well-positioned to address changes in the marketplace, capture commercial advantages within a strong logistics system, and seek to increase retail and brand sales volumes.



## Galveston Bay Refinery

Texas City, Texas  
Crude oil capacity: 571,000 bpcd

MPC's Galveston Bay refinery is located on Galveston Bay, at the entrance to the Houston Ship Channel. It began operation in 1934 as a Pan American Oil refinery. MPC purchased the refinery in 2013. In 2018, Galveston Bay merged with MPC's Texas City refinery into a single world-class refining complex. With a crude oil capacity of 571,000 bpcd, Galveston Bay is the second-largest refinery in the U.S.

**Crude Oil Supply:** A wide variety of both sweet and sour crude oils

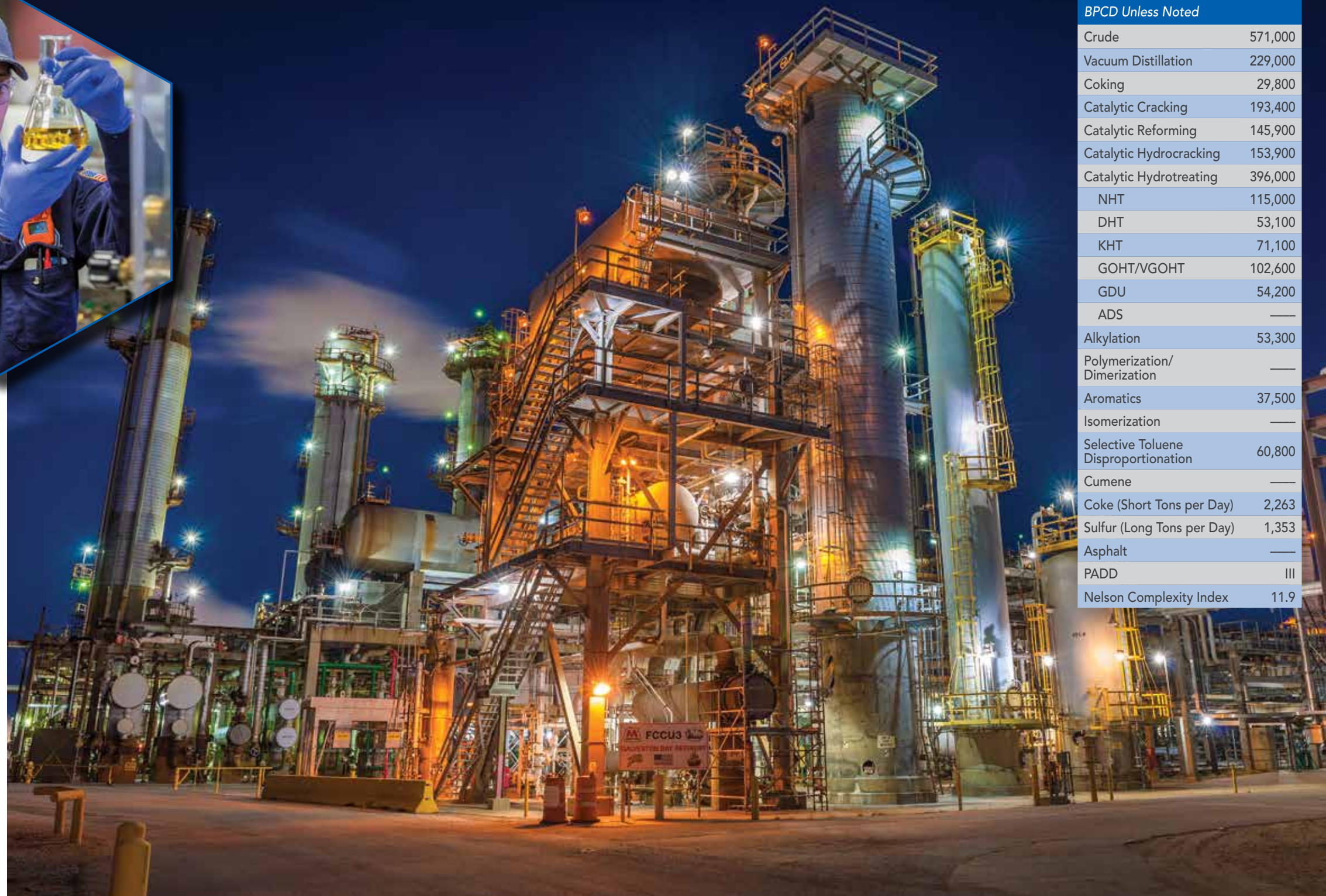
**Operations:** Crude distillation, hydrocracking, catalytic cracking, hydrotreating, reforming, alkylation, aromatics extraction, sulfur recovery and coking

**Products:** Gasoline, distillates, aromatics, heavy fuel oil, refinery-grade propylene, fuel-grade coke, dry gas and sulfur

**Product Distribution:** Pipeline, barge, transport truck, rail and ocean tanker

**Cogeneration Facility:** Currently has 1,055 megawatts of electrical production capacity and can produce 4.3 million pounds of steam per hour. Approximately 46 percent of the power generated in 2017 was used at the refinery, with the remaining electricity being sold into the electricity grid.

**Employees:** Approximately 1,960



BPCD Unless Noted	
Crude	571,000
Vacuum Distillation	229,000
Coking	29,800
Catalytic Cracking	193,400
Catalytic Reforming	145,900
Catalytic Hydrocracking	153,900
Catalytic Hydrotreating	396,000
NHT	115,000
DHT	53,100
KHT	71,100
GOHT/VGOHT	102,600
GDU	54,200
ADS	—
Alkylation	53,300
Polymerization/ Dimerization	—
Aromatics	37,500
Isomerization	—
Selective Toluene Disproportionation	60,800
Cumene	—
Coke (Short Tons per Day)	2,263
Sulfur (Long Tons per Day)	1,353
Asphalt	—
PADD	III
Nelson Complexity Index	11.9

## Garyville Refinery

Garyville, Louisiana

Crude oil capacity: 556,000 bpcd

MPC's Garyville refinery, completed in 1976, is the last major grassroots refinery built in the U.S. Located on the Mississippi River, midway between New Orleans and Baton Rouge, Louisiana, the refinery receives crude oil delivered via the Mississippi River and the Louisiana Offshore Oil Port and from Gulf of Mexico production. In 2009, MPC completed a major expansion project, which provided a significant increase in crude oil refining capacity. MPC continues to optimize the refinery and has increased its crude oil capacity to the current level at 556,000 bpcd, making it the third-largest refinery in the U.S.

**Crude Oil Supply:** A wide variety of both sweet and sour crude oils

**Operations:** Crude distillation, hydrocracking, catalytic cracking, hydrotreating, reforming, alkylation, isomerization, sulfur recovery and coking

**Products:** Gasoline, distillates, fuel-grade coke, asphalt, polymer-grade propylene, propane, dry gas, heavy fuel oil, slurry, refinery-grade propylene and sulfur

**Product Distribution:** Pipeline, barge, transport truck, rail and ocean tanker

**Employees:** Approximately 920



BPCD Unless Noted

Crude	556,000
Vacuum Distillation	274,600
Coking	89,800
Catalytic Cracking	137,800
Catalytic Reforming	128,800
Catalytic Hydrocracking	114,000
Catalytic Hydrotreating	553,100
NHT	106,500
DHT	158,200
KHT	77,000
GOHT/VGOHT	100,700
GDU	110,700
ADS	—
Alkylation	32,800
Polymerization/ Dimerization	—
Aromatics	—
Isomerization	47,100
Cumene	—
Coke (Short Tons per Day)	6,322
Sulfur (Long Tons per Day)	1,254
Asphalt	31,400
PADD	III
Nelson Complexity Index	11.1

## Catlettsburg Refinery

Catlettsburg, Kentucky  
Crude oil capacity: 277,000 bpcd

MPC's Catlettsburg refinery is located in northeastern Kentucky on the western bank of the Big Sandy River, near the confluence with the Ohio River. It was purchased in 1924 by Swiss Oil Corporation (then parent company of Ashland Inc.). The plant became part of MPC's refinery system in 1998 and fully owned by MPC in 2005. MPC completed construction of a condensate splitter in 2015, increasing the refinery's capacity to process condensate from the Utica shale region.

**Crude Oil Supply:** Sweet and sour crude oils, condensate

**Operations:** Crude distillation, catalytic cracking, reforming, hydrotreating, alkylation, aromatics extraction, isomerization and sulfur recovery

**Products:** Gasoline, distillates, asphalt, aromatics, heavy fuel oil and propane

**Product Distribution:** Pipeline, barge, transport truck and rail

**Employees:** Approximately 740



BPCD Unless Noted	
Crude	277,000
Vacuum Distillation	123,500
Coking	—
Catalytic Cracking	98,800
Catalytic Reforming	52,300
Catalytic Hydrocracking	—
Catalytic Hydrotreating	261,400
NHT	53,700
DHT	73,600
KHT	29,500
GOHT/VGOHT	101,700
GDU	—
ADS	2,900
Alkylation	20,000
Polymerization/ Dimerization	—
Aromatics	2,400
Isomerization	16,200
Cumene	7,100
Coke (Short Tons per Day)	—
Sulfur (Long Tons per Day)	380
Asphalt	33,600
PADD	II
Nelson Complexity Index	9.2

## Robinson Refinery

Robinson, Illinois

Crude oil capacity: 245,000 bpcd

MPC's Robinson refinery was built in 1906 by the Lincoln Oil Company and purchased by MPC (then The Ohio Oil Company) in 1924. Today, the refinery has a full conversion processing scheme designed to maximize production of gasoline and diesel fuel.

**Crude Oil Supply:** Sweet and sour crude oils

**Operations:** Crude distillation, catalytic cracking, hydrocracking, hydrotreating, coking, reforming, alkylation, aromatics extraction, isomerization and sulfur recovery

**Products:** Gasoline, distillates, anode-grade coke, propane, aromatics, slurry and refinery-grade propylene

**Product Distribution:** Pipeline, transport truck and rail

**Employees:** Approximately 690



### BPCD Unless Noted

Crude	245,000
Vacuum Distillation	71,300
Coking	29,000
Catalytic Cracking	51,800
Catalytic Reforming	77,900
Catalytic Hydrocracking	41,300
Catalytic Hydrotreating	185,700
NHT	70,800
DHT	75,500
KHT	—
GOHT/VGOHT	—
GDU	39,400
ADS	—
Alkylation	12,400
Polymerization/ Dimerization	—
Aromatics	3,100
Isomerization	15,200
Cumene	—
Coke (Short Tons per Day)	1,499
Sulfur (Long Tons per Day)	172
Asphalt	—
PADD	II
Nelson Complexity Index	9.5



## Detroit Refinery

Detroit, Michigan

Crude oil capacity: 139,000 bpcd

MPC's Detroit refinery was acquired with the purchase of Aurora Gasoline Company by MPC (then The Ohio Oil Company) in 1959. It is the only petroleum refinery operating in Michigan. In 2012, the company completed the Detroit Heavy Oil Upgrade Project (DHOUP), which enabled the refinery to process up to an additional 80,000 bpd of heavy sour crude oils, including Canadian crude oils. The project added more than 400,000 gallons per day of clean transportation fuels to the marketplace.

**Crude Oil Supply:** Sweet and heavy sour crude oils

**Operations:** Crude distillation, catalytic cracking, hydrotreating, reforming, alkylation, sulfur recovery and coking

**Products:** Gasoline, distillates, asphalt, fuel-grade coke, chemical-grade propylene, propane and slurry

**Product Distribution:** Pipeline, transport truck, rail and barge

**Employees:** Approximately 540



BPCD Unless Noted

Crude	139,000
Vacuum Distillation	83,600
Coking	33,300
Catalytic Cracking	39,000
Catalytic Reforming	20,400
Catalytic Hydrocracking	—
Catalytic Hydrotreating	125,000
NHT	32,300
DHT	43,700
KHT	6,700
GOHT/VGOHT	42,300
GDU	—
ADS	—
Alkylation	6,700
Polymerization/ Dimerization	—
Aromatics	—
Isomerization	—
Cumene	—
Coke (Short Tons per Day)	2,341
Sulfur (Long Tons per Day)	391
Asphalt	24,700
PADD	II
Nelson Complexity Index	9.7

## Canton Refinery

Canton, Ohio

Crude oil capacity: 93,000 bpcd

MPC's Canton refinery, built in 1931 by Allegheny-Arrow Oil Company, was acquired by Ashland Inc. in 1948 when it merged with Allied Oil Company. The refinery became a part of MPC's refining system in 1998 and has been fully owned by MPC since 2005. The refinery is a moderate conversion plant with a processing configuration that enables it to run heavy sour crudes as well as sweet crudes. In 2014, the company completed construction of a condensate splitter, which increased the refinery's capacity to process condensate from the Utica shale.



**Crude Oil Supply:** Sweet and sour crude oils, including production from the nearby Utica shale

**Operations:** Crude distillation, catalytic cracking, hydrotreating, reforming, alkylation and sulfur recovery

**Products:** Gasoline, distillates, asphalt, roofing flux, propane, refinery-grade propylene and slurry

**Product Distribution:** Pipeline, transport truck and rail

**Employees:** Approximately 350

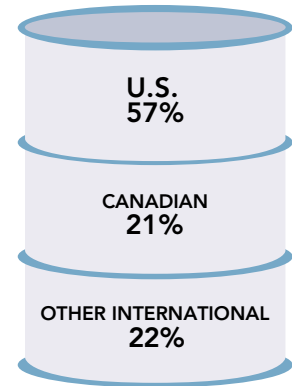


### BPCD Unless Noted

Crude	93,000
Vacuum Distillation	33,300
Coking	—
Catalytic Cracking	24,700
Catalytic Reforming	20,400
Catalytic Hydrocracking	—
Catalytic Hydrotreating	92,200
NHT	30,900
DHT	22,800
KHT	12,800
GOHT/VGOHT	25,700
GDU	—
ADS	—
Alkylation	7,100
Polymerization/ Dimerization	—
Aromatics	—
Isomerization	—
Cumene	—
Coke (Short Tons per Day)	—
Sulfur (Long Tons per Day)	88
Asphalt	14,100
PADD	II
Nelson Complexity Index	7.9

### 2017 Refinery Throughput and Consolidated Sales

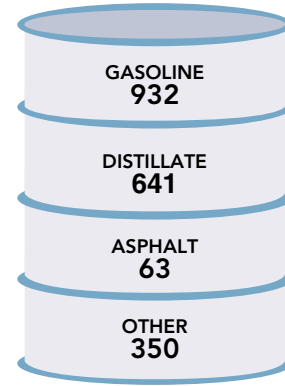
**Crude Throughput**  
1,765 mbpd



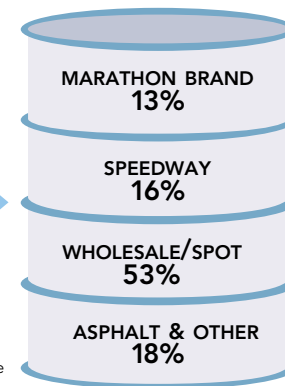
Other Feedstocks  
179 mbpd



**Refinery Yields**  
1,986 mbpd



**Sales<sup>1</sup>**  
35 bgal



<sup>1</sup>Includes refined products purchased for resale



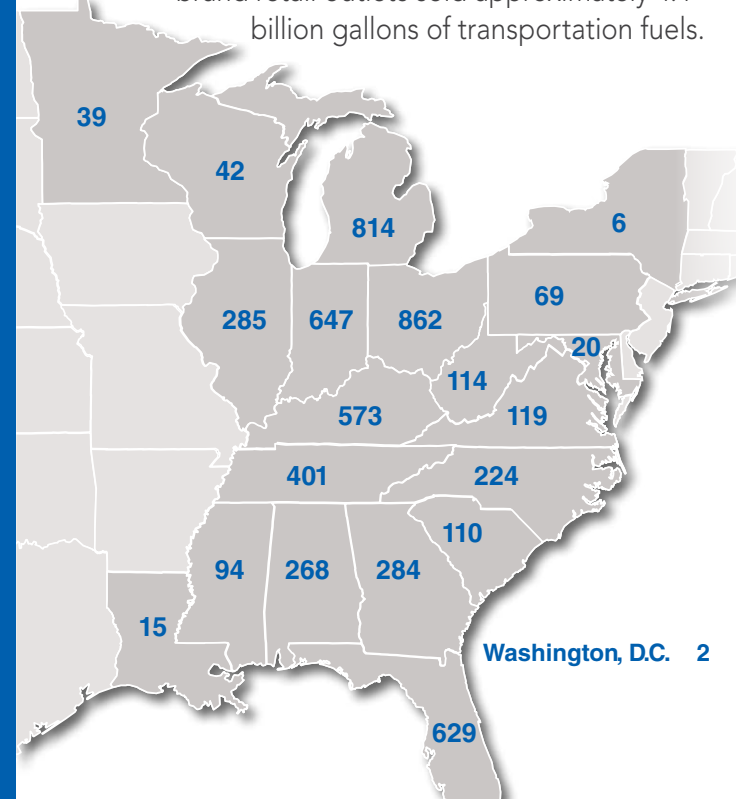
### Refined Product Marketing

MPC is one of the largest wholesale suppliers of gasoline and distillate to resellers and consumer end-users within our market area. Independent retailers, wholesale customers, Marathon brand jobbers, Speedway convenience stores, airlines, transportation companies and utilities form the core of MPC's customer base. In addition, we sell gasoline, distillates and asphalt for export.

### Marathon Brand

Marathon brand gasoline is available through approximately 5,600 retail outlets in 20 states and the District of Columbia. Marathon brand retail outlets are owned and operated by independent entrepreneurs.

In addition to quality MPC gasoline and diesel, these retail outlets offer a wide range of services including convenience store products, car washes and co-branded food products. During 2017, Marathon brand retail outlets sold approximately 4.4 billion gallons of transportation fuels.



### Asphalt, Coke and Heavy Fuel Oil

MPC is one of the largest U.S. asphalt producers in terms of capacity, which includes asphalt cements, polymer-modified asphalt, emulsified asphalt, industrial asphalts and roofing flux. We market asphalt through 18 company-owned and -operated and two third-party terminals located throughout the Midwest and Southeast that are supplied by four of MPC's refineries (Garyville, Catlettsburg, Detroit and Canton). Our customer base includes asphalt paving contractors, government entities (states, counties, cities and townships) and asphalt roofing shingle manufacturers.

MPC produces and markets heavy residual fuel oil or related components, including slurry, at all of our refineries. In addition, we produce fuel-grade coke at our Garyville, Detroit and Galveston Bay refineries, which is used for power generation and in miscellaneous industrial applications, and anode-grade coke at our Robinson refinery, which is used to make carbon anodes for the aluminum smelting industry.

### Special Products

MPC is a producer and marketer of feedstocks and special products. Product availability varies by refinery and includes platformate, alkylate, FCCU unit gas, naptha, dry gas, propylene, raffinate, butane, benzene, xylene, molton sulfur, cumene and toluene. These products are marketed domestically to customers in the chemical, agricultural and fuel-blending industries.

### Renewable Fuels

MPC owns a biofuel production facility in Cincinnati, Ohio, that produces biodiesel, glycerin and other by-products. The capacity of the plant is approximately 70 million gallons per year. MPC also holds interests in ethanol production facilities in Albion, Michigan; Clymers, Indiana; and Greenville, Ohio. These plants have a combined ethanol production capacity of 415 million gallons per year and are managed by a co-owner.



## Terminals

MPC owns and operates 18 asphalt terminals and two light product terminals. We distribute refined products through 59 light product terminals owned by MPLX and approximately 130 third-party light products and two third-party asphalt terminals.



## Transportation – Truck and Rail

MPC also owns a private fleet of 180 transport trucks and 193 trailers with a total capacity of 1.8 million gallons for the movement of refined products and crude oil. Most of the units are used to haul transportation fuels such as gasoline, diesel and jet fuel. The group also hauls crude oil, condensate, ethanol, molten sulfur, asphalt and residual fuel oil.

In addition, we have 1,999 leased and 19 owned railcars of various sizes and capacities for movement and storage of refined products.



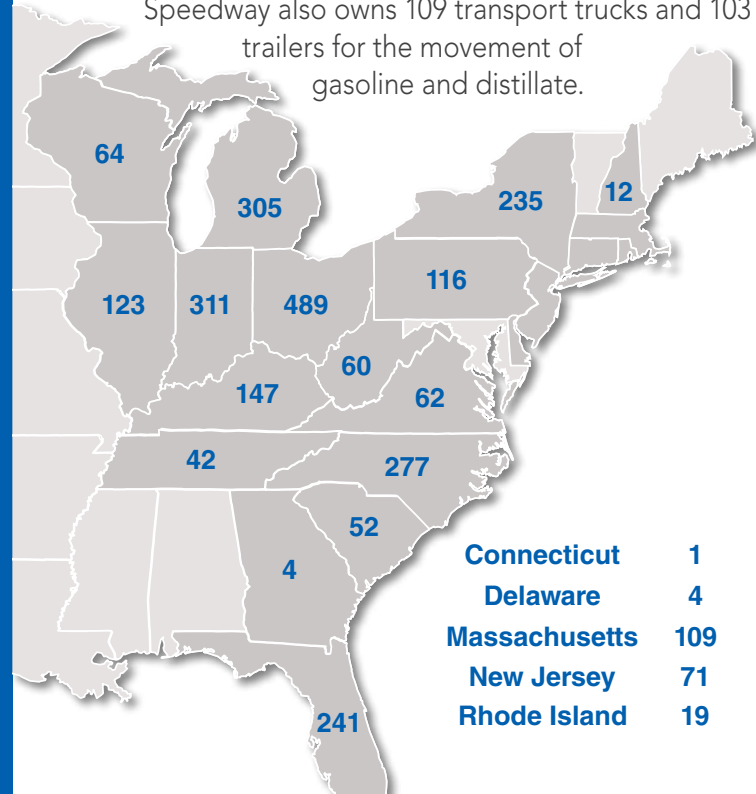
## Speedway

Headquartered in Enon, Ohio, Speedway is the second-largest chain of company-owned and -operated gasoline and convenience stores in the U.S. Speedway has approximately 2,740 convenience stores in 21 states that offer a wide variety of merchandise, including prepared foods, beverages and non-food items. During 2017, Speedway sold approximately 5.8 billion gallons of transportation fuels and an additional \$4.9 billion in merchandise.

Speedway pledges to be "The Customer's First Choice for Value and Convenience." Speedway's marketing strategy and execution have resulted in significant success in the marketplace. Speedy Rewards®, a highly successful customer loyalty program, averaged approximately 6 million active members in 2017, and continues to grow as we attract new members in the markets we serve.

Speedway owns a 29 percent interest in Pilot Flying J Southeast LLC, which is a joint venture between Speedway and Pilot with 124 travel center locations, primarily in the Southeast.

Speedway also owns 109 transport trucks and 103 trailers for the movement of gasoline and distillate.



## Midstream

MPC's Midstream segment includes the operations of MPLX and other related operations. The Midstream segment gathers, processes and transports natural gas; gathers, transports, fractionates, stores and markets NGLs; and transports and stores crude oil and refined products via pipelines, terminals, towboats and barges.

Primarily through MPLX, MPC owns, leases or has ownership interests in approximately 10,800 miles of crude oil and light product pipelines. MPC also has ownership interests in several crude oil and products pipeline systems and pipeline companies.

MPC has indirect ownership interests in two ocean vessel joint ventures with Crowley through our investment in Crowley Coastal Partners. These joint ventures operate and charter four Jones Act product tankers, most of which are leased to MPC, and own and operate three 750 Series articulated tug barge vessels that are leased to MPC.



## MPLX

MPLX is a diversified, growth-oriented master limited partnership formed in 2012 by MPC to own, operate, develop and acquire midstream energy infrastructure assets. We are engaged in the gathering, processing and transportation of natural gas; the gathering, transportation, fractionation, storage and marketing of NGLs; the gathering, transportation and storage of crude oil and refined petroleum products; and fuels distribution services.<sup>1</sup> MPLX provides services in the midstream sector across the hydrocarbon value chain through our Logistics and Storage and Gathering and Processing segments.

### Logistics and Storage

MPLX transports and stores crude oil, refined products and other hydrocarbon-based products, primarily in the Midwest and Gulf Coast regions of the U.S. Assets consist of a network of wholly- and jointly-owned common carrier crude oil and refined product pipeline systems and associated storage assets, refined product terminals, storage caverns and an inland marine business.

Our **pipeline network** includes approximately 8,084 miles of pipeline across 17 states. We own and operate 59, partially own two and lease one light product **terminals** in the Midwest, Gulf Coast and Southeast regions of the United States. Our terminal facilities are used for the receipt, storage, blending, additization, handling and delivery of refined petroleum products. We have a butane cavern in West Virginia and eight active butane and propane storage caverns in Michigan.

In addition, MPLX provides **fuels distribution services** to MPC and owns **refining logistic assets** consisting of tanks with approximately 56 million barrels as well as refinery docks, loading racks and associated piping.<sup>1</sup>

MPLX's **marine** operations include 18 owned towboats as well as 208 owned and 24 leased barges that transport refined products and crude oil on the Ohio, Mississippi and Illinois rivers and their tributaries and inter-coastal waterways. Our marine repair facility is a full-service marine shipyard located on the Ohio River adjacent to MPC's Catlettsburg refinery.

We also have interest in various joint-interests, including LOOP LLC, the only U.S. deep water oil port located offshore in Louisiana, which offloads crude oil from marine vessels destined for onshore storage and pipeline transport.

<sup>1</sup> As of Feb. 1, 2018





## Gathering and Processing

MPLX operates several natural gas gathering systems in five states, which have a combined throughput capacity of 5.9 bcf/d. The scope of gathering services we provide depends on the composition of the raw or untreated gas at producer customers' wellheads. For dry gas, we gather, and if necessary, treat the gas and deliver it to downstream transmission systems. For wet gas that contains heavier and more valuable hydrocarbons, we gather the gas for processing at a processing complex.

MPLX's natural gas processing complexes remove the heavier and more valuable hydrocarbon components from natural gas. We operate natural gas processing complexes in the Marcellus shale, Utica shale, Appalachia region, and Southwest region with approximately 8 bcf/d of natural gas processing capacity.

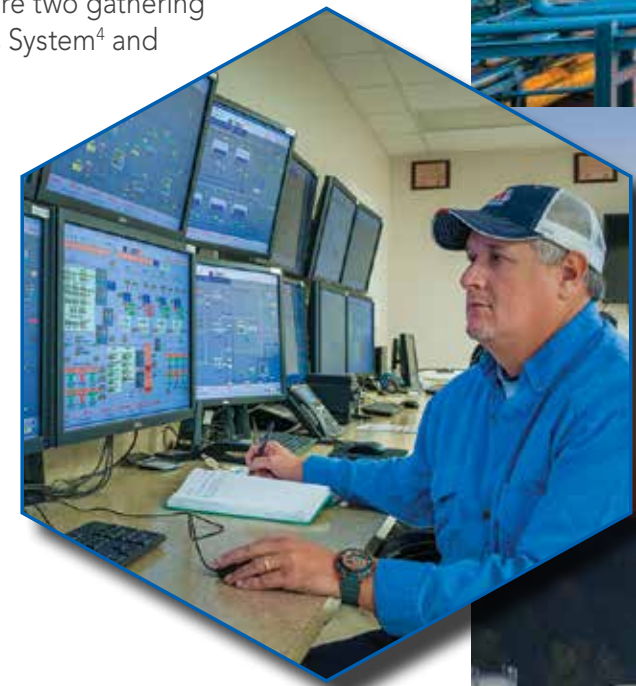
Once natural gas has been processed at a natural gas processing complex, the heavier and more valuable hydrocarbon components, which have been extracted as a mixed NGL stream, can be further separated into their component parts through the process of fractionation. Our NGL fractionation facilities have a capacity of approximately 610,000 bpcd and separate the mixture of extracted NGLs into individual purity product components for end-use sale. We sell basic NGL products, including ethane, propane, normal butane, isobutene, natural gasoline and other primary products such as ethylene and propylene.



### MPLX Marcellus and Utica Operations

MPLX operates five complexes in the Marcellus shale, including processing, gathering and C2+ fractionation at the Houston Complex in Pennsylvania; processing and de-ethanization at the Majorsville Complex in West Virginia; processing and de-ethanization at the Mobley Complex in West Virginia; processing and de-ethanization at the Sherwood Complex<sup>1</sup> in West Virginia; and processing, gathering and C2+ fractionation at the Bluestone Complex in Pennsylvania. We also operate one condensate stabilization facility with 2 mbpd of capacity near the Houston Complex.

MPLX's Utica operations<sup>2</sup> consists of three complexes in Ohio, including processing and de-ethanization at the Cadiz Complex; processing at the Seneca Complex; and C3+ fractionation at the Hopedale Complex<sup>3</sup>. Ohio Condensate operates one condensate stabilization facility with 23 mbpd of capacity. In addition, there are two gathering facilities in Ohio, Jefferson Gas System<sup>4</sup> and Ohio Gathering System<sup>4</sup>.



### Marcellus Operations

<b>Gathering Capacity</b>	<b>1.4 bcf/d</b>
Houston System	1.2 bcf/D
Bluestone System	0.2 bcf/D
<b>Processing Capacity</b>	<b>4.7 bcf/d</b>
Bluestone Complex	0.4 bcf/d
Houston Complex	0.5 bcf/d
Majorsville Complex	1.1 bcf/d
Mobley Complex	0.9 bcf/d
Sherwood Complex	1.8 bcf/d
<b>C2+ Fractionation Capacity</b>	<b>311 mbpd</b>
Bluestone Complex	81 mbpd
Houston Complex	100 mbpd
Majorsville Complex	80 mbpd
Mobley Complex	10 mbpd
Sherwood Complex	40 mbpd



### Utica Operations

<b>Gathering Capacity</b>	<b>2.4 bcf/d</b>
Ohio Gathing System	1.1 bcf/d
Jefferson Gas System	1.3 bcf/d
<b>Processing Capacity</b>	<b>1.3 bcf/d</b>
Cadiz Complex	0.5 bcf/d
Seneca Complex	0.8 bcf/d
<b>C2+ Fractionation Capacity</b>	<b>220 mbpd</b>
Cadiz Complex	40 mbpd
Hopedale Complex	180 mbpd
<b>Condensate Stabilization</b>	<b>23 mbpd</b>
Ohio Condensate	23 mbpd

<sup>1</sup>Partially owned by Sherwood Midstream  
<sup>2</sup>Joint ventures with The Energy & Minerals Group and Summit Investments, LLC  
<sup>3</sup>Capacity split between Utica and Marcellus operations  
<sup>4</sup>Joint ventures

### MPLX Southwest Operations

MPLX operates five complexes in the Southwest region including, processing and gathering at the Carthage Complex in Texas; processing and gathering at the Western Oklahoma Complex in Oklahoma; processing at the Hidalgo Complex in Texas; gathering at the Eagle Ford Complex in Texas; and treating, processing and C2+ fractionation at the Javelina Complex in Texas.

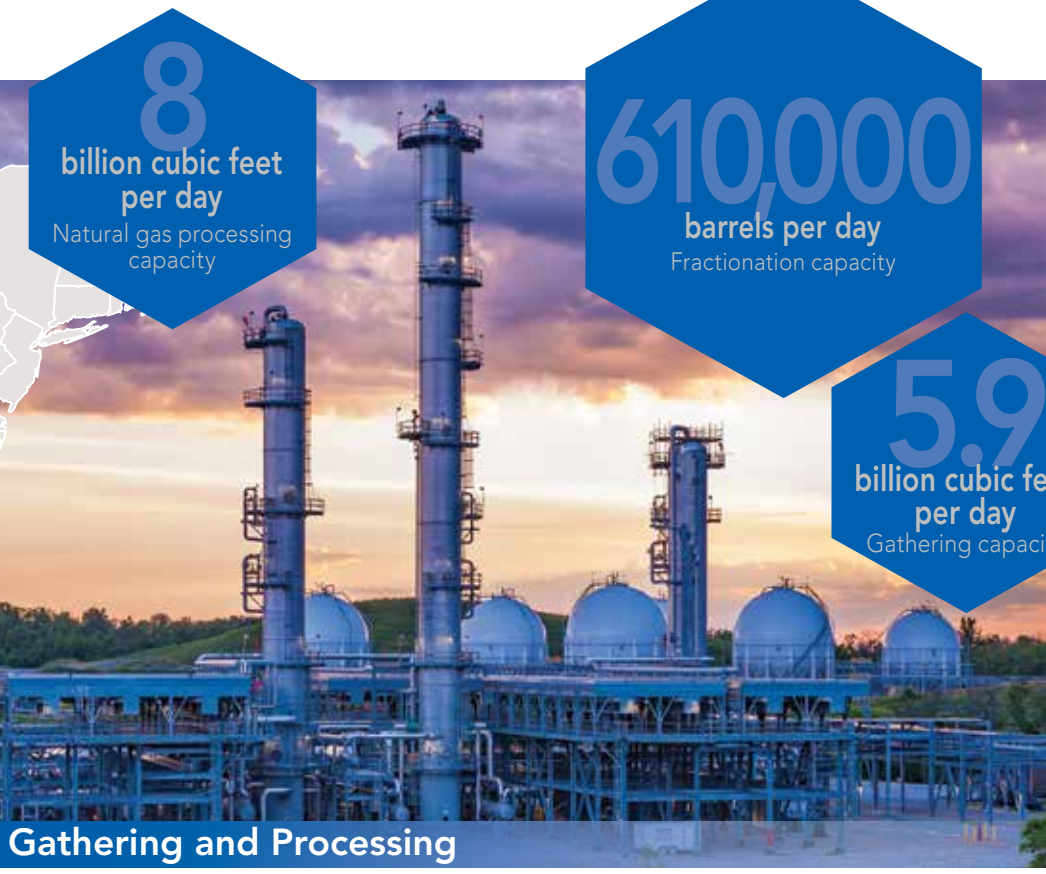
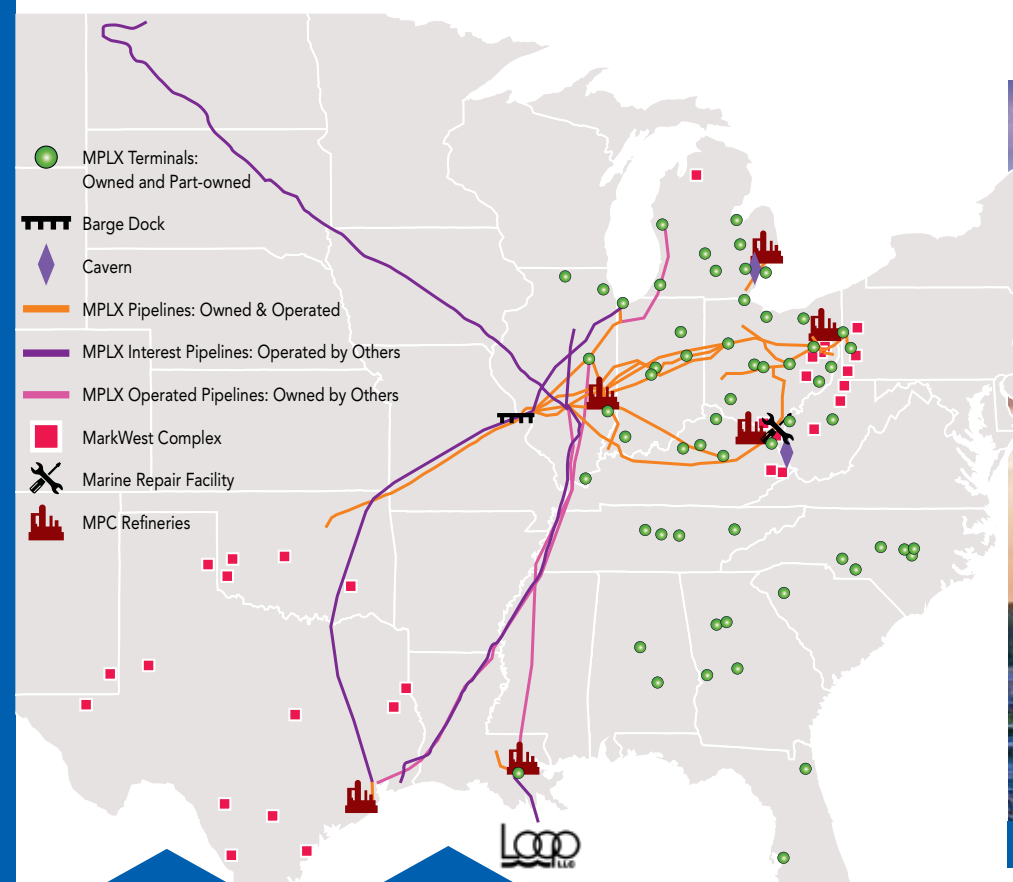
We also own a 40 percent non-operating interest in the Centrahoma processing joint venture with Targa Resources. The joint venture includes processing plants in Southeast Oklahoma<sup>1</sup> with existing capacity of 280 MMcf/d with plans to add two additional plants in 2018. The new plants are expected to be completed in the fourth quarter of 2018.



### Southwest Operations

<b>Gathering Capacity</b>	<b>2.1 bcf/d</b>
East Texas System	0.7 bcf/d
Western Oklahoma System	0.6 bcf/d
Southeast Oklahoma System	0.7 bcf/d
Eagle Ford and Other Systems	0.1 bcf/d
<b>Processing Capacity</b>	<b>1.5 bcf/d</b>
East Texas System	0.6 bcf/d
Western Oklahoma	0.4 bcf/d
Southeast Oklahoma	0.1 bcf/d
West Texas	0.2 bcf/d
Javelina Complex	0.1 bcf/d
<b>C2+ Fractionation Capacity</b>	<b>29 mbpd</b>
Javelina Complex	29 mbpd

<sup>1</sup>Represents 40 percent of processing capacity through the Centrahoma joint venture.



### Glossary

bcf/d	one billion cubic feet of natural gas per day	mbpd	thousand barrels per day
bgal	billion gallons	MMcf/d	one million cubic feet of natural gas per day
bpcd	barrels per calendar day	NGL	natural gas liquids
bpd	barrels per day	PADD	Petroleum Allocation for Defense District
EPA	Environmental Protection Agency	Short Tons	2,000 lbs.
HES&S	Health, Environment, Safety and Security	ADS	Aromatics Desulfurization
Long Tons	2,240 lbs.	DHT	Distillate Hydrotreating
LOOP	Louisiana Offshore Oil Port	GDU	Gasoline Desulfurization
mbpcd	thousand barrels per calendar day	GOHT/VGOHT	Gas Oil Hydrotreating
		KHT	Kerosene Hydrotreating
		NHT	Naphtha Hydrotreating

### 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, 2017, 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 are available on the SEC website, MPC's website at <http://ir.marathonpetroleum.com> or by contacting MPC's Investor Relations office.

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<sup>1</sup> As of Feb. 1, 2018



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#### **QUICK FACTS**

2017 Sales: 2,311 mbpd

Refineries: Six

Refining Capacity: 1,881,000 bpcd

2017 Total Pipeline Throughput: 3,377 mbpd

Product Sales Network:

~5,600 Marathon brand retail outlets

~2,740 Speedway convenience stores