MPLX® ENERGY LOGISTICS

MLPA Investor Conference

Don Templin, President

June 1, 2017

Forward-Looking Statements

This presentation contains forward-looking statements within the meaning of federal securities laws regarding MPLX LP ("MPLX") and Marathon Petroleum Corporation ("MPC"). These forward-looking statements relate to, among other things, expectations, estimates and projections concerning the business and operations of MPLX and MPC, including proposed strategic initiatives. You can identify 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. Such forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties and other factors, some of which are beyond the companies' control and are difficult to predict. Factors that could cause MPLX's actual results to differ materially from those implied in the forward-looking statements include: negative capital market conditions, including an increase of the current yield on common units, adversely affecting MPLX's ability to meet its distribution growth guidance; the time, costs and ability to obtain regulatory or other approvals and consents and otherwise consummate the strategic initiatives discussed herein and other proposed transactions; the satisfaction or waiver of conditions in the agreements governing the strategic initiatives discussed herein and other proposed transactions; our ability to achieve the strategic and other objectives related to the strategic initiatives discussed herein and other proposed transactions; adverse changes in laws including with respect to tax and regulatory matters; inability to agree with respect to the timing of and value attributed to assets identified for dropdown; the adequacy of MPLX's capital resources and liquidity, including, but not limited to, availability of sufficient cash flow to pay distributions, and the ability to successfully execute its business plans and growth strategy; the timing and extent of changes in commodity prices and demand for crude oil, refined products, feedstocks or other hydrocarbon-based products; continued/further volatility in and/or degradation of market and industry conditions; changes to the expected construction costs and timing of projects; completion of midstream infrastructure by competitors; disruptions due to equipment interruption or failure, including electrical shortages and power grid failures; the suspension, reduction or termination of MPC's obligations under MPLX's commercial agreements; modifications to earnings and distribution growth objectives; the level of support from MPC, including dropdowns, alternative financing arrangements, taking equity units, and other methods of sponsor support, as a result of the capital allocation needs of the enterprise as a whole and its ability to provide support on commercially reasonable terms; compliance with federal and state environmental, economic, health and safety, energy and other policies and regulations and/or enforcement actions initiated thereunder; changes to MPLX's capital budget; other risk factors inherent to MPLX's industry; and the factors set forth under the heading "Risk Factors" in MPLX's Annual Report on Form 10-K for the year ended Dec. 31, 2016, filed with the Securities and Exchange Commission (SEC). Factors that could cause MPC's actual results to differ materially from those implied in the forward-looking statements include: the time, costs and ability to obtain regulatory or other approvals and consents and otherwise consummate the strategic initiatives discussed herein; the satisfaction or waiver of conditions in the agreements governing the strategic initiatives discussed herein; our ability to achieve the strategic and other objectives related to the strategic initiatives discussed herein; adverse changes in laws including with respect to tax and regulatory matters; inability to agree with the MPLX conflicts committee with respect to the timing of and value attributed to assets identified for dropdown; changes to the expected construction costs and timing of projects; continued/further volatility in and/or degradation of market and industry conditions; the availability and pricing of crude oil and other feedstocks; slower growth in domestic and Canadian crude supply; the effects of the lifting of the U.S. crude oil export ban; completion of pipeline capacity to areas outside the U.S. Midwest; consumer demand for refined products; transportation logistics; the reliability of processing units and other equipment; MPC's ability to successfully implement growth opportunities; modifications to MPLX earnings and distribution growth objectives, and other risks described above with respect to MPLX; compliance with federal and state environmental, economic, health and safety, energy and other policies and regulations, including the cost of compliance with the Renewable Fuel Standard, and/or enforcement actions initiated thereunder; changes to MPC's capital budget; other risk factors inherent to MPC's industry; and the factors set forth under the heading "Risk Factors" in MPC's Annual Report on Form 10-K for the year ended Dec. 31, 2016, filed with the SEC. In addition, the forward-looking statements included herein could be affected by general domestic and international economic and political conditions. Unpredictable or unknown factors not discussed here, in MPLX's Form 10-K or in MPC's Form 10-K could also have material adverse effects on forward-looking statements. Copies of MPLX's Form 10-K are available on the SEC website, MPLX's website at http://ir.mplx.com or by contacting MPLX's Investor Relations office. 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.

Non-GAAP Financial Measures

Adjusted EBITDA, distributable cash flow (DCF) and distribution coverage ratio are non-GAAP financial measures provided in this presentation. Adjusted EBITDA and DCF reconciliations to the nearest GAAP financial measure are included in the Appendix to this presentation. Distribution coverage ratio is the ratio of DCF attributable to GP and LP unitholders to total GP and LP distributions declared. Adjusted EBITDA, DCF and distribution coverage ratio are not defined by GAAP and should not be considered in isolation or as an alternative to net income attributable to MPLX or MPC, net cash provided by operating activities or other financial measures prepared in accordance with GAAP. The EBITDA forecasts related to certain projects were determined on an EBITDA-only basis. Accordingly, information related to the elements of net income, including tax and interest, are not available and, therefore, reconciliations of these non-GAAP financial measures to the nearest GAAP financial measures have not been provided.

Key Investment Highlights

Diversified large-cap MLP positioned to deliver attractive returns over the long term
Forecast distribution growth of 12% to 15 % for 2017, double digit for 2018

Gathering & Processing

- Largest processor and fractionator in the Marcellus/Utica basins
- Strong footprint in STACK play
- Growing presence in Permian basin

Logistics & Storage

- Supports extensive operations of third-largest U.S. refiner
- Expanding third-party business and delivering incremental industry solutions

Stable Cash Flows

- Substantial fee-based income with limited commodity exposure
- Long-term relationships with diverse set of producer customers
- Transportation and storage agreements with sponsor MPC

Cost of Capital Optimization

- Visibility to growth through robust portfolio of organic projects and strong coverage ratio
- Elimination of IDRs

2017 Priorities and Strategy

Gathering & Processing

- Executed strategic agreements to support continued long-term growth in Marcellus rich gas areas
  - Range Resources in Pennsylvania
  - Antero Midstream Partners in West Virginia
- Focus for remainder of 2017
  - Marcellus/Utica forecast
    - Processed volume growth of ~10% to ~15%
    - Fractionated volume growth of ~15% to ~20%
  - Permian and STACK forecast
    - Processed volume growth of ~3% to ~8%
  - Build organic project backlog to support volume growth in 2018 and beyond

Logistics & Storage

- Completed multiple acquisitions
  - Terminal, pipeline and storage assets from sponsor, MPC
  - Equity interest in Bakken Pipeline system
  - Ozark Pipeline
- Focus for remainder of 2017
  - Complete strategic actions with sponsor
  - Investment in organic growth opportunities
    - Midwest pipeline infrastructure
    - Ozark Pipeline expansion
    - Robinson butane cavern
    - Texas City tank farm expansion

Strategic Plan to Enhance Unitholder Value

Asset Dropdowns
~$1.4 B
MLP-Qualifying EBITDA

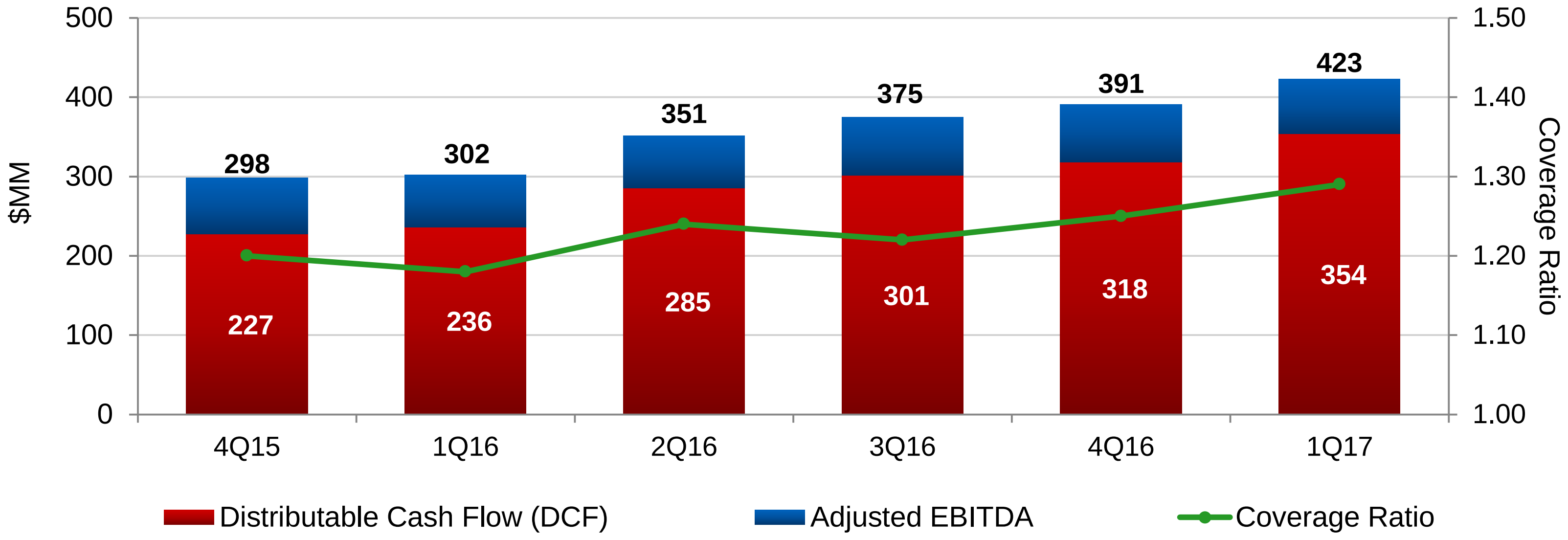
IDRs
Exchange for
LP Units

Benefits

- Simplifies structure
- Expected to lower cost of capital
- Increased visibility to distribution growth
- EBITDA from asset dropdowns adds substantial stable cash flow

Delivering Consistent Growth in EBITDA and DCF

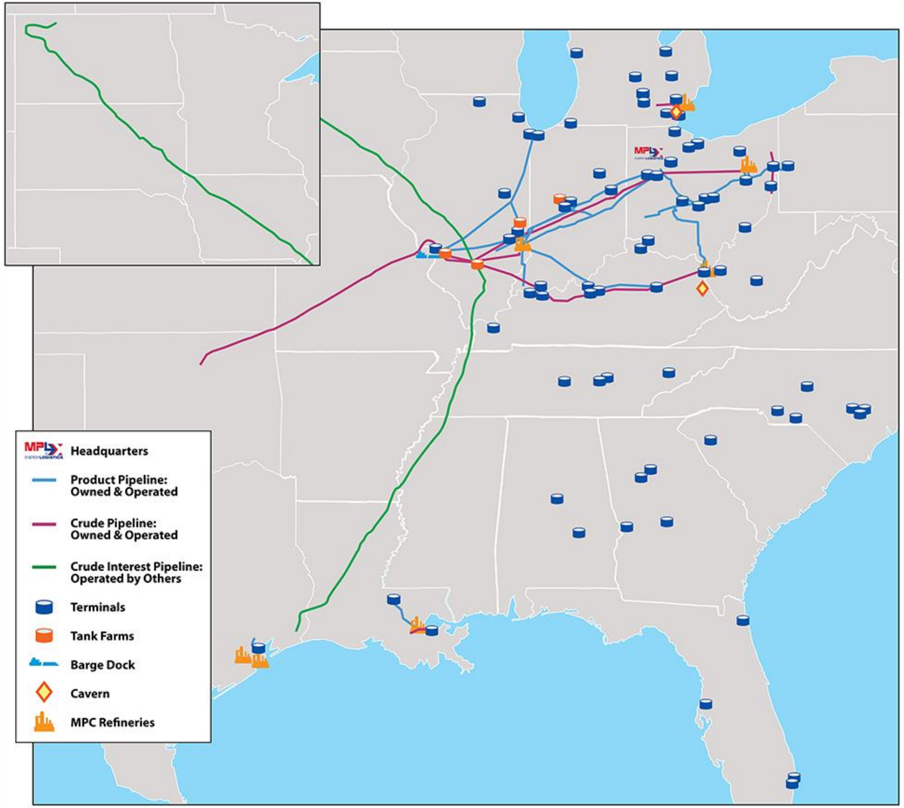
42% increase in EBITDA since MarkWest acquisition
55% increase in DCF while maintaining strong coverage ratio



Logistics & Storage

Segment Overview

- High-quality, well-maintained assets that are integral to MPC
  - Owns, leases or has interest in ~3,500 miles of crude oil pipelines and ~2,400 miles of product pipelines
  - 62 light-product terminals with ~24 million barrels of storage capacity
  - Barge dock with ~78,000 BPD throughput capacity
  - Crude oil and product storage facilities (tank farms and caverns) with ~7.8 million barrels of storage capacity
  - 18 inland waterway towboats and more than 200 tank barges moving refined products and crude oil
- Stable cash flows with fee-based revenues and minimal direct commodity exposure



Executing a Comprehensive Utica Strategy

Phased Infrastructure Investment

- Cornerstone Pipeline commenced operations in October 2016
- Hopedale pipeline connection completed December 2016
- Expected completion of Harpster-to-Lima pipeline and related expansions in 2Q 2017
- Links Marcellus and Utica condensate and natural gasoline with Midwest refiners
- Allows diluent movements to Canada
- Budgeted investments ~$500 MM
  - ~$80 MM annual EBITDA

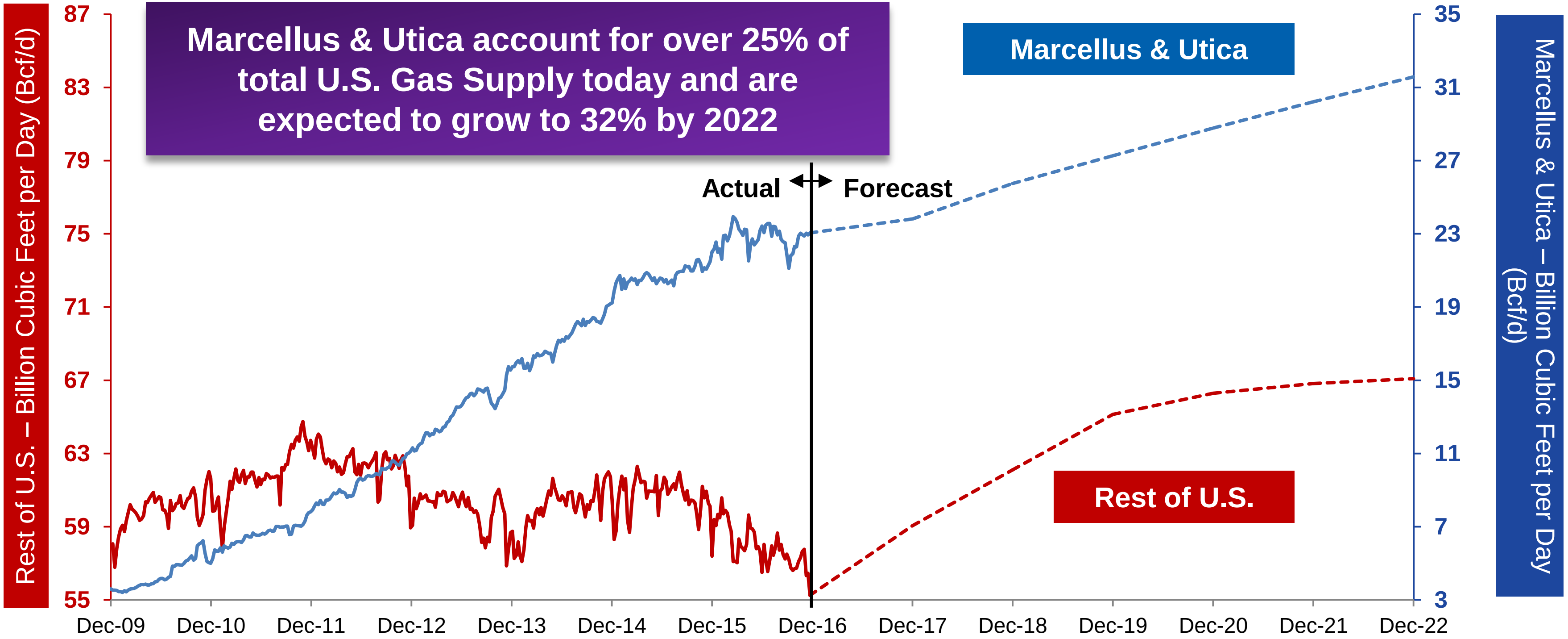
Gathering & Processing

Segment Overview

- One of the largest NGL and natural gas midstream service providers
  - Gathering capacity of 5.5 Bcf/d
    - ~50% Marcellus/Utica; ~50% Southwest
  - Processing capacity of 7.8 Bcf/d*
    - ~70% Marcellus/Utica; ~20% Southwest
  - C2 + Fractionation capacity of 547 MBPD**
    - ~90% Marcellus/Utica
- Primarily fee-based business with highly diverse customer base and established long-term contracts

*Includes processing capacity of non-operated joint venture **Includes condensate stabilization capacity

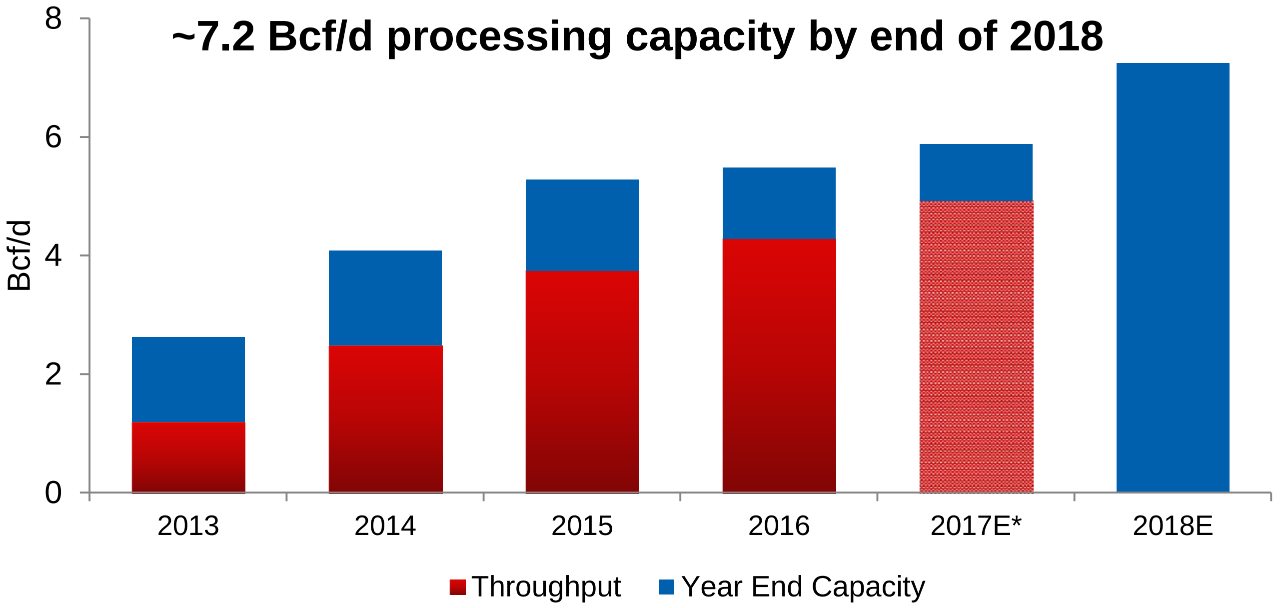
The Marcellus/Utica Resource Play is the Leading U.S. Natural Gas Growth Play



Note: Wellhead gas production (before flaring and NGL extraction)
Sources: As of December 29, 2016. Bloomberg (PointLogic Energy/LCI Energy Insight Estimates) and Platts Bentek Oil & Gas Production Monitor

Marcellus/Utica Processing Capacity
Building infrastructure to support basin volume growth

Currently operate ~66% of processing capacity in Marcellus/Utica Basin



2017 expected plant completions
Sherwood VII (in service 1Q17)
Sherwood VIII

2018 expected plant completions
Cadiz IV
Harmon Creek
Houston I
Majorsville VII
Sherwood IX
Sherwood X

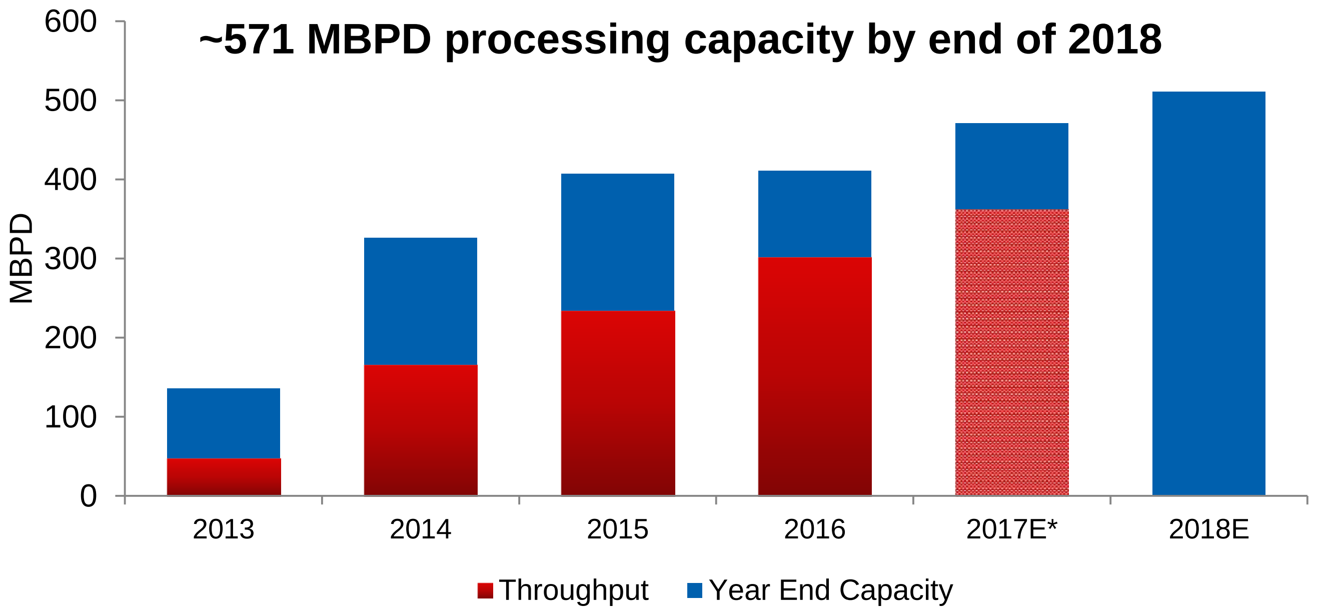
*2017 throughput assumes 15% growth rate over prior year

Note: 2013 through 2015 include MarkWest volumes prior to acquisition by MPLX

Marcellus/Utica Fractionation Capacity

Building infrastructure to support growing C2 and C3+ demand

Currently operate ~55% of fractionation capacity in Marcellus/Utica Basin



<u>2017 expected plant completions</u>
Hopedale III C3+ (in service 1Q17)
Keystone C2
Majorsville II C2

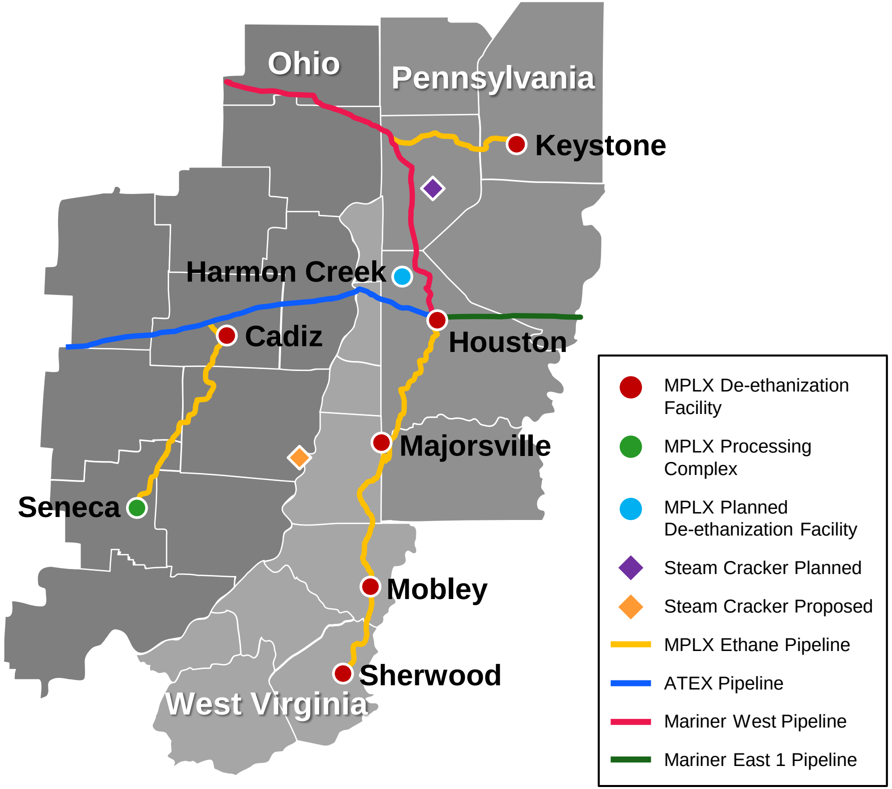
<u>2018 expected plant completions</u>
Harmon Creek C2
Sherwood C2

*2017 throughput assumes 20% growth rate over prior year

Note: 2013 through 2015 include MarkWest volumes prior to acquisition by MPLX

MPLX Northeast Operations Well-Positioned in Ethane Market

- Ethane demand growing as exports and steam cracker development continues in Gulf Coast and Northeast
- MPLX well-positioned to support producer customers' rich-gas development with extensive distributed de-ethanization system
- Based on current utilization, MPLX can support the production of an additional ~50 MBPD of purity ethane with existing assets
- Opportunity to invest $500 MM to $1 B to support Northeast ethane recovery over the next five years



Considerable Scale in the Southwest

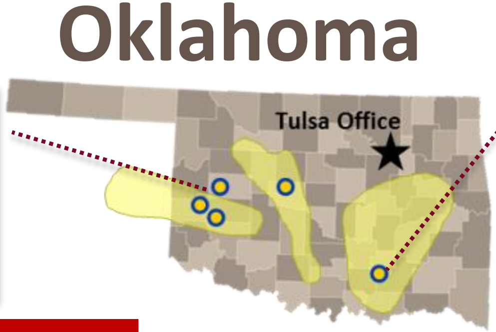
2.6 Bcf/d Gathering, 1.5 Bcf/d Processing & 29 MBPD C2+ Fractionation Capacity

MPLX ENERGY LOGISTICS

Western OK

Processing
425MMcf/d

Gathering
585MMcf/d



Southeast OK

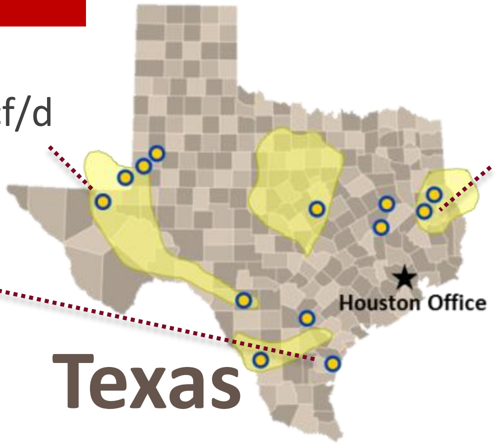
Processing*
120MMcf/d

Gathering
1,205MMcf/d

*Represents 40% of processing capacity through the Partnership's Centrahoma JV with Targa Resources Corp.

Permian

Processing
200MMcf/d



Gulf Coast

Processing
142MMcf/d

Fractionation
29,000BPD

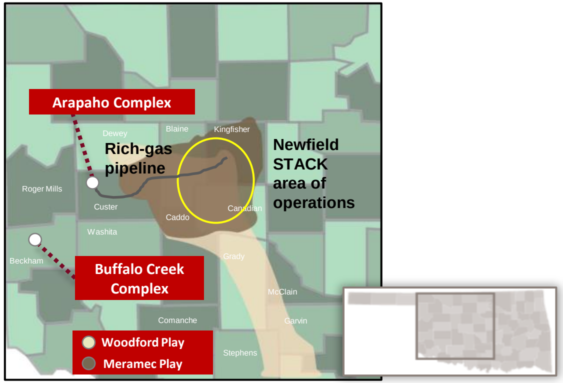
East Texas

Processing
600MMcf/d

Gathering
680MMcf/d

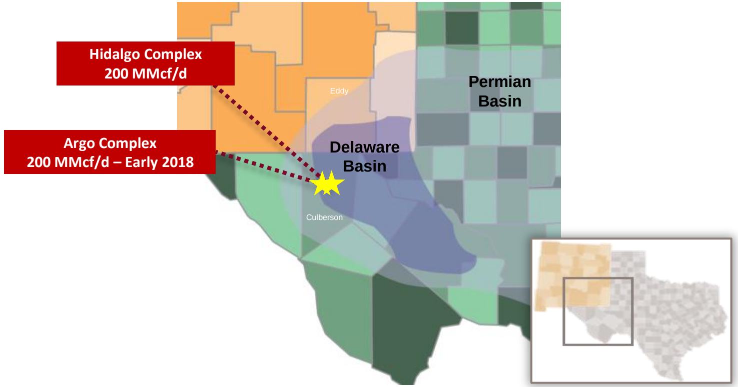
Expanding Southwest Position to Support Growing Production in High Performance Resource Plays

Cana-Woodford



- Support Newfield Exploration's development of their STACK acreage
- Full connectivity to 435 MMcf/d of processing capacity via a 60-mile high-pressure rich-gas pipeline
- Constructing rich-gas and crude oil gathering systems with related storage and logistics facilities

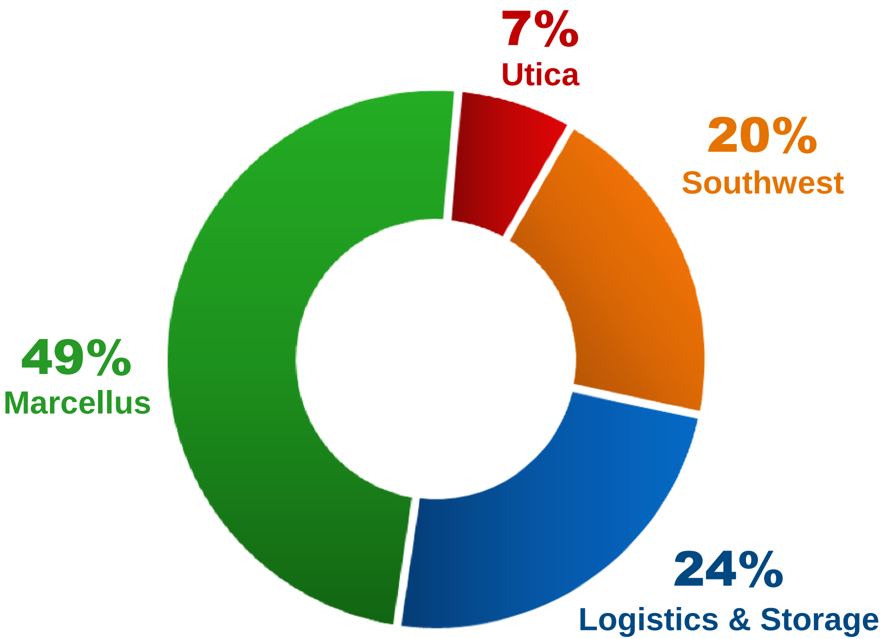
Permian



- Hidalgo processing plant in Culberson County, Texas, placed in-service in 2Q 2016, currently operating at near 100 percent utilization
- Began construction of 200 MMcf/d processing plant in Delaware Basin (Argo I) expected to be in-service in early 2018

Robust Organic Growth Opportunities

Forecast organic capital of $1.8 B to $2.0 B for 2017*



G&P Segment

- Sherwood VII placed in service in first quarter
- 60 MBPD fractionation train at Hopedale placed in service in first quarter
- Three additional plants expected to be completed in 2017
- Nine plants expected to be completed in 2018

L&S Segment

- Midwest pipeline infrastructure build-out
- Ozark Pipeline expansion
- Robinson butane cavern
- Texas City tank farm expansion

*Excludes future dropdowns

Strong Financial Flexibility to Manage and Grow Asset Base

- Committed to maintaining investment grade credit profile
- $2.25 B senior notes issued 1Q 2017
- Completed $148 MM of opportunistic ATM issuance in 1Q 2017
- ~$2.8 B of available liquidity at end of 1Q 2017

($MM except ratio data)	As of 3/31/17
Cash and cash equivalents	265
Total assets	18,285
Total debt	6,655
Redeemable preferred units	1,000
Total equity	9,700
Consolidated total debt to LTM pro forma adjusted EBITDA ratio[a]	4.0x
Remaining capacity available under $2.0 B revolving credit agreement	1,997
Remaining capacity available under $500 MM credit agreement with MPC	500

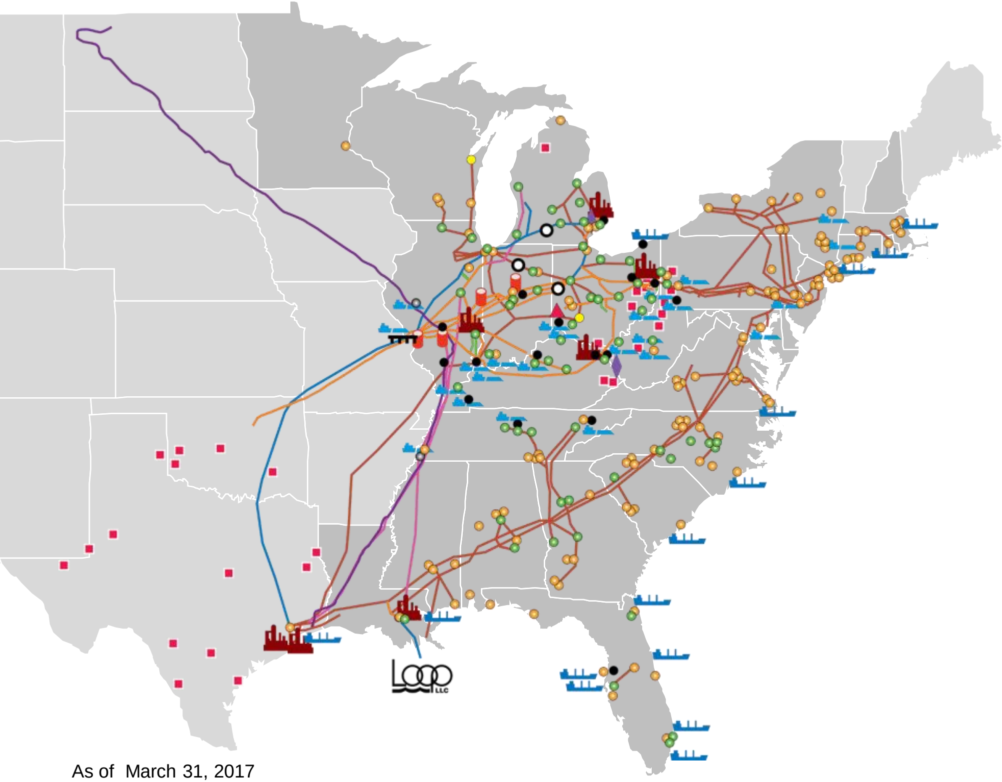
[a] *Calculated using face value total debt and last twelve month adjusted EBITDA, which is pro forma for acquisitions. Face value total debt includes approximately $453 MM of unamortized discount and debt issuance costs as of March 31, 2017.*

Long-Term Value Objectives

- Deliver **Sustainable Distribution Growth** rate that provides attractive total unitholder returns
- Drive **Lower Cost of Capital** to achieve most efficient mix of growth and yield
- Develop **Backlog of Organic Growth Projects** benefiting producer customers and overall energy infrastructure build-out
- Maintain **Investment Grade Credit** profile
- Become **Consolidator** in midstream space

Appendix

About MPLX

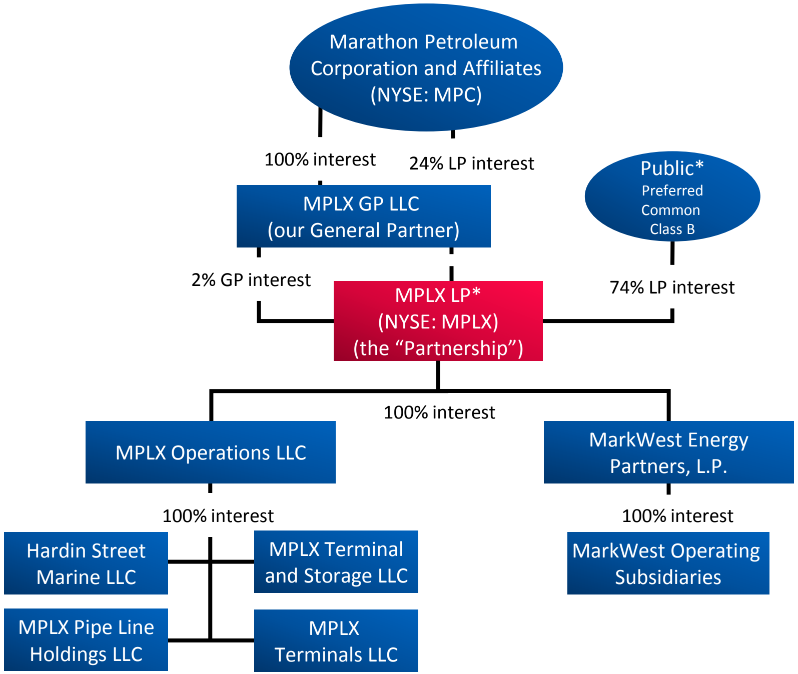


As of March 31, 2017
See appendix for legend

- Growth-oriented, diversified MLP with high-quality, strategically located assets with leading midstream position
- Two primary businesses
  - **Logistics & Storage** includes transportation, storage and distribution of crude oil, refined petroleum products and other hydrocarbon-based products
  - **Gathering & Processing** includes gathering, processing, and transportation of natural gas and the gathering, transportation, fractionation, storage and marketing of NGLs
- Investment grade credit profile with strong financial flexibility
- MPC as sponsor has interests aligned with MPLX
  - MPLX assets are integral to MPC
  - Growing stable cash flows through continued investment in midstream infrastructure

MPLX and MPC are Aligned

MPLX Organizational Structure



- MPC views MPLX as integral to its operations and is aligned with its success and incentivized to grow MPLX
- MPC owns 24% LP interest and 100% of MPLX's GP interest and IDRs

As of April 27, 2017

**Preferred convertible securities are included with the public ownership percentage and depicted on an as-converted basis. All Class B units are owned by M&R MWE Liberty, LLC and included with the public ownership percentage and depicted on an as-converted basis.*

MPLX and MPC Interests are Aligned

- The combination of dropdowns and GP/IDR buy-in is anticipated to lower MPLX's cost of capital going forward
  - Dropdowns enhance and provide greater visibility to distribution growth
  - GP/IDR buy-in removes IDR burden and lowers equity cost of capital
- Large Cap MLP with balanced mix of earnings following dropdowns
  - Majority of L&S segment EBITDA supported by contracts with MPC
  - Diversified customer and basin exposure supporting G&P segment EBITDA
- MPC as sponsor has interests aligned with MPLX LP unitholders
  - MPC will own the general partner and a majority of MPLX LP units, completely aligning interests toward continuing MPLX distribution growth and managing MPLX to be competitive and attractively valued
  - MPLX assets are integral to MPC's operations

Note: All transactions subject to requisite approvals, market and other conditions, including tax and other regulatory clearances

Financing of Dropdowns and IDR Exchange

- Dropdowns
  - Expect average through all drops of 50% debt and 50% equity, with equity financing to be funded through MPLX LP units issued to MPC at market price
  - Expect valuation multiples consistent with recent industry precedents ranging from ~7.0x to ~9.0x EBITDA
- Elimination of IDRs
  - Exchange of newly issued MPLX LP units for MPC’s economic interests in the GP
  - Expect transaction value of 15.0x–20.0x pro forma GP/IDR distributions
- Committed to maintaining investment grade credit profile
  - Dropdown and IDR exchange transactions are achievable with pro forma net leverage <=4.0x

Note: All transactions subject to requisite approvals, market and other conditions, including tax and other regulatory clearances

First-Quarter Dropdown from MPC

- Terminal, pipeline and storage assets
  - 62 light product terminals with ~24 million barrels of storage capacity
  - 11 pipeline systems consisting of 604 pipeline miles
  - 73 tanks with ~7.8 million barrels of storage capacity
  - Crude oil truck unloading facility at MPC’s refinery in Canton, Ohio
  - Natural gas liquids storage cavern in Woodhaven, Michigan, with ~1.8 million barrels of capacity

- Total consideration of $2.015 B
  - $1.511 B in cash and $504 MM in MPLX equity
  - Represents ~8 times EBITDA multiple
  - ~$250 MM estimated annual EBITDA
  - Expected to be immediately accretive to MPLX’s distributable cash flow

MPC Assets Expected to be Acquired by MPLX

~$1.4 B of Estimated Annual EBITDA

Terminals

- 62 light product; ~24 MMBBL storage; loading racks and docks

Pipelines

- Private carrier crude oil and refined product pipelines and associated storage
- Joint interest pipelines

Marine

- Equity in 50/50 blue water JVs with Crowley

Refinery Logistics

- ~55 MMBBL storage
- Multiple rail and truck loading racks and docks

Fuels Distribution

- Fixed service fee per gallon
- No fuel inventory risk or working capital cost

Assets acquired on March 1, 2017 representing ~$250 MM of annual EBITDA

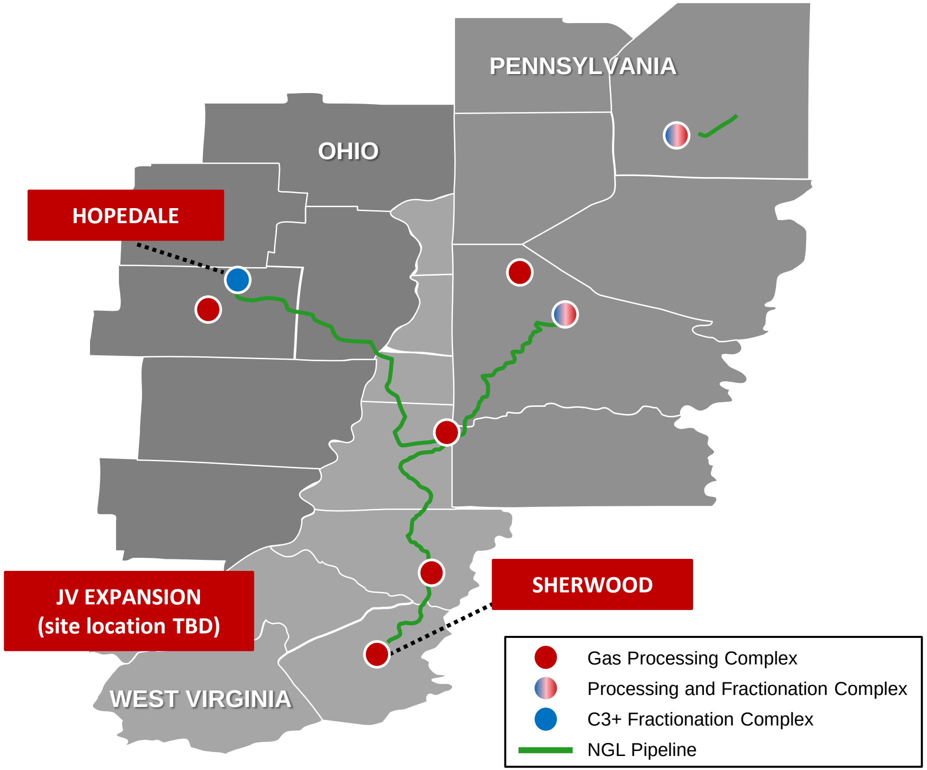
Fuels Distribution Business Model

	Services Model	Marketing Model (Wholesale Distribution)	Marketing Model (Rack-to-Retail)
Business Description	– MPC outsources fuels marketing services to MPLX for those same services currently performed by MPC; generates revenue at MPLX – Services performed for current MPC sales volumes	– Purchase MPC's marketing businesses – Marketing costs incurred to generate revenues – Exposure to daily margin volatility, credit risk and bankruptcy of marketing customers	– Precedents models purchase, market, and transport fuel from independent sellers to third party and related party entities – Services performed for Speedway volumes
Revenue Generation	– MPLX receives service fee (fixed) per gallon on fuels sold by MPC; not exposed to daily margin volatility	– Variable margin per gallon on fuels sold	– Fixed fee and/or margin (variable) per gallon
Inventory	– MPLX has no fuel inventory risk or working capital cost	– Fuel inventory risk and working capital cost – High volatility (requires leased/owned storage capacity)	– Precedent models may have fuel inventory risk and working capital costs
MLP Qualifying Income	– No precedent models; reviewing recently issued qualifying income regulations; likely to pursue preparation of an opinion of counsel	– Precedent models include portions of: Susser/Sunoco LP, Global Partners, Delek Logistics	– Precedent models include portions of: Susser/Sunoco LP, CrossAmerica Partners

MPLX Strengthens Leading Position in Northeast

Recently announced 50/50 joint venture with Antero Midstream

- Supports Antero Resources' significant production growth profile in the Marcellus Shale
  - Long-term, fee-based agreement and significant acreage dedication
- Commenced operations of Sherwood VII gas processing plant in 1Q 2017
- Three 200 MMcf/d gas processing plants currently under construction at Sherwood
  - Potential to develop up to seven additional processing facilities at Sherwood and a future expansion site
- Includes 20 MBPD of existing fractionation capacity at Hopedale complex
  - Option to invest in future fractionation expansions



Recently Announced Pipeline Acquisitions

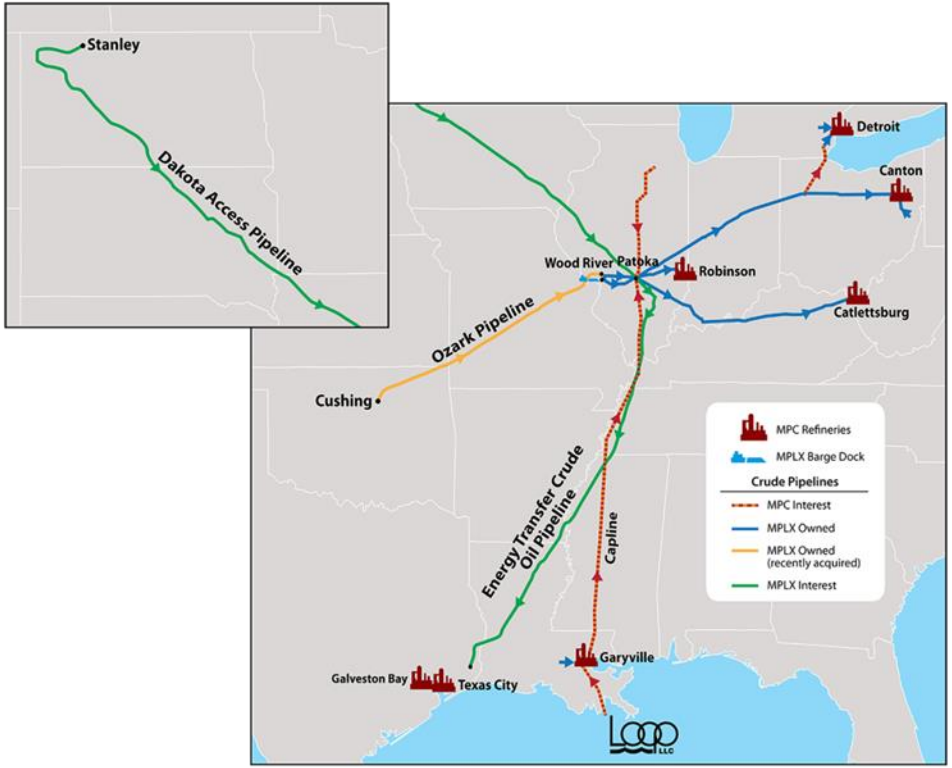
Extending the Footprint of the L&S Segment

Bakken Pipeline

- $500 MM investment
- ~9.2% equity interest in the Dakota Access Pipeline (DAPL) and the Energy Transfer Crude Oil Pipeline (ETCOP) projects
- Expected to deliver ~470 MBPD from the Bakken/Three Forks production area to the Midwest and Gulf Coast with capacity up to ~570 MBPD

Ozark Pipeline

- ~$220 MM investment
- 433 mile, 22″ crude pipeline running from Cushing, Oklahoma to Wood River, Illinois, with capacity of ~230 MBPD
- Planned expansion to ~345 MBPD expected to be completed by 2Q 2018



2017 Forecast

- Financial forecast revised in first quarter to reflect dropdown from MPC and acquisitions of the Ozark Pipeline and Bakken Pipeline system
  - Bakken Pipeline system is accounted for as an equity-method investment
  - EBITDA and DCF contributions will not be recognized until first distribution is received, projected for 4Q 2017
- Forecast, excluding future dropdowns:

Financial Measure	2017 Forecast
Net Income	$550 MM - $700 MM
Adjusted EBITDA[a]	$1.7 B - $1.85 B
Net cash provided by operating activities	$1.4 B - $1.55 B
Distributable Cash Flow (DCF)[a]	$1.25 B - $1.4 B
Organic Growth Capital Expenditures[b]	$1.8 B - $2.0 B
Distribution Growth Rate	12% - 15% (double digit in 2018)

[a]Non-GAAP measure calculated before the distribution to preferred units. See reconciliation in appendix.
[b]Guidance excludes acquisition costs for dropdown of terminal, pipeline, and storage assets; Ozark Pipeline; and Bakken Pipeline system. Also excludes non-affiliated JV members' share of capital expenditures.

Growth Capital Forecast

Projects expected to be completed in 2017

Gathering & Processing Projects	Shale Resource	Capacity	Est. Completion Date
Rich- and Dry-Gas Gathering[a]	Marcellus & Utica	N/A	Ongoing
Western Oklahoma - STACK Rich-Gas and Oil Gathering	Cana Woodford	N/A	Ongoing
Hopedale III C3+ Fractionation and NGL Logistics[b][c]	Marcellus & Utica	60,000 BPD	In Service - 1Q17
Sherwood VII Processing Plant[c]	Marcellus	200 MMcf/d	In Service - 1Q17
Keystone C2 Fractionation	Marcellus	20,000 BPD	3Q17
Sherwood VIII Processing Plant	Marcellus	200 MMcf/d	4Q17
Majorsville II C2 Fractionation	Marcellus	40,000 BPD	4Q17
NGL Pipeline Expansions	Marcellus	N/A	2017 and 2018

Logistics & Storage Projects	Est. Completion Date
Harpster-to-Lima pipeline and related expansions	Mid-2017

[a]Utica Rich-Gas Gathering is a joint venture between MarkWest Utica EMG's and Summit Midstream LLC. Dry-Gas Gathering in the Utica Shale is completed through a joint venture with MarkWest and EMG.
[b]MarkWest and MarkWest Utica EMG shared fractionation capacity
[c]Sherwood Midstream investment

Growth Capital Forecast

Projects expected to be completed in 2018

Gathering & Processing Projects	Shale Resource	Capacity	Est. Completion Date
Houston I Processing Plant[a]	Marcellus	200 MMcf/d	1Q18
Sherwood IX Processing Plant[b]	Marcellus	200 MMcf/d	1Q18
Argo I Processing Plant	Delaware	200 MMcf/d	Early 2018
Sherwood X Processing Plant[b]	Marcellus	200 MMcf/d	3Q18
Sherwood C2 Fractionation	Marcellus	20,000 BPD	3Q18
Majorsville VII Processing Plant	Marcellus	200 MMcf/d	2018
Harmon Creek Processing Plant	Marcellus	200 MMcf/d	2018
Harmon Creek C2 Fractionation	Marcellus	20,000 BPD	2018
Cadiz IV Processing Plant[c]	Utica	200 MMcf/d	2018

Logistics & Storage Projects	Est. Completion Date
Ozark Pipeline Expansion	2Q18
Robinson Butane Cavern	2Q18
Texas City Tank Farm	2018

[a] *Replacement of existing Houston 35 MMcf/d plant*
[b] *Sherwood Midstream investment*
[c] *MarkWest Utica EMG Joint Venture*

Attractive Portfolio of Organic Growth Capital

Logistics & Storage Segment

Midwest Pipeline Infrastructure Build-out

- Industry solution for Marcellus and Utica liquids
- Mid-2017 estimated completion

Ozark Pipeline Expansion

- Crude sourcing optionality to Midwest refineries
- Mid-2018 estimated completion

Texas City Tank Farm

- MPC and third-party logistics solutions
- 2018 estimated completion

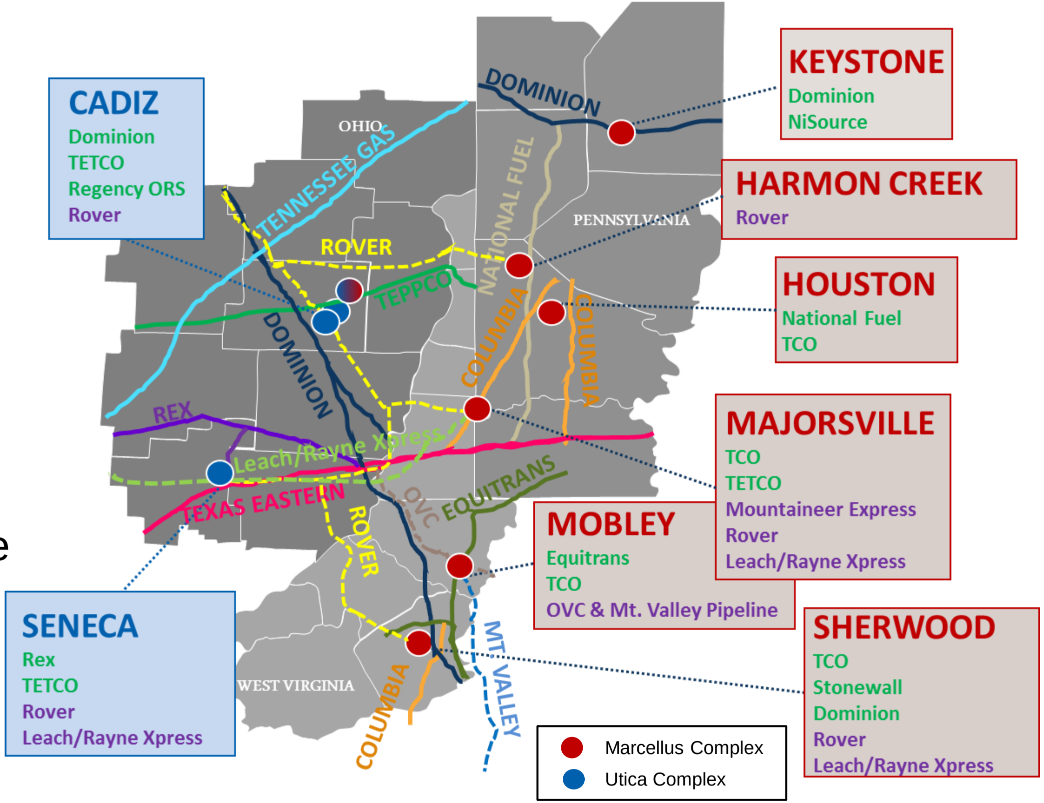
Robinson Butane Cavern

- MPC shifting third-party services to MPLX and optimizing Robinson butane handling
- 2Q 2018 estimated completion

Other projects in development

Major Residue Gas Takeaway Expansion Projects Originate at MPLX Facilities

- New takeaway pipelines expected to improve Northeast basis differentials
- MPLX processing complexes:
  - Access to all major gas residue gas takeaway pipelines
  - Provide multiple options with significant excess residue capacity
  - Ability to bring mass and synergies to new residue gas pipelines
- Critical new projects designed to serve our complexes include: Rover, Leach/Rayne Xpress, Ohio Valley Connector, Mountaineer Express and Mountain Valley Pipeline



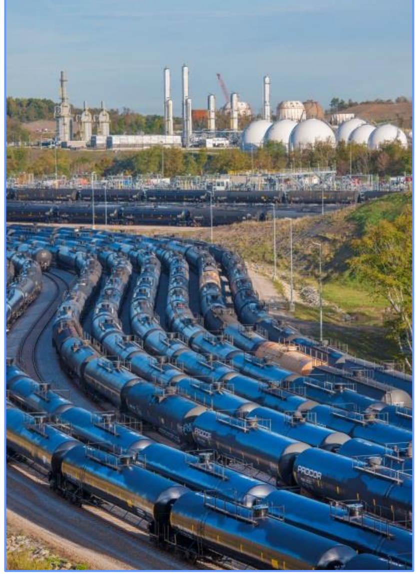
Gathering & Processing

Marcellus & Utica Operations

Houston Complex

Sherwood Complex

Hopedale Complex



2.9 Bcf/d
Gathering capacity

5.7 Bcf/d
Processing capacity

471 MBPD
C2+ Fractionation capacity

23 MBPD
Cond. Stabilization capacity

Marcellus/Utica Overview

2.9 Bcf/d Gathering, 5.7 Bcf/d Processing & 471 MBPD C2+ Fractionation Capacity

HOPEDALE FRACTIONATION COMPLEX

MarkWest Joint Venture with EMG

OHIO CONDENSATE
MarkWest Joint Venture with Summit Midstream

CADIZ & SENECA COMPLEXES
MarkWest Joint Venture with EMG

SHERWOOD COMPLEX

KEYSTONE COMPLEX

HARMON CREEK COMPLEX
(currently under construction)

HOUSTON COMPLEX

MAJORSVILLE COMPLEX

MOBLEY COMPLEX

Gathering & Processing

Marcellus & Utica Operations

- Commenced operations of Sherwood VII plant in March 2017 which increases the total capacity of this complex to 1.4 Bcf/d
- 2017 processed volumes expected to increase ~10% to ~15% over prior year
- 2017 gathered volumes expected to increase ~3% to ~6% over prior year

Processed Volumes			
Area	Available Capacity (MMcf/d)[a]	Average Volume (MMcf/d)	Utilization (%)
Marcellus	**4,199**	**3,532**	**84%**
Houston	*543*	*464*	*85%*
Majorsville	*1,070*	*807*	*75%*
Mobley	*920*	*698*	*76%*
Sherwood	*1,256*	*1,280*	*102%*
Keystone	*410*	*283*	*69%*
Utica	**1,325**	**1,068**	**81%**
Cadiz	*525*	*523*	*100%*
Seneca	*800*	*545*	*68%*
1Q 2017 Total	**5,524**	**4,600**	**83%**
4Q 2016 Total	5,480	4,425	81%

[a] *Based on weighted average number of days plant(s) in service. Excludes periods of maintenance*

Gathering & Processing
Marcellus & Utica Fractionation

- 2017 fractionated volumes expected to increase ~15% to ~20% over prior year
- Commenced third fractionation train at Hopedale complex, increasing total propane-plus capacity to 180 MBPD

Fractionated Volumes			
Area	Available Capacity (MBPD)[a][b]	Average Volume (MBPD)	Utilization (%)
1Q17 Total C3+	**265**	**200**	**76%**
1Q17 Total C2	**184**	**134**	**73%**
4Q16 Total C3+	227	187	82%
4Q16 Total C2	184	127	69%

[a] *Based on weighted average number of days plant(s) in service. Excludes periods of maintenance*
[b] *Excludes Cibus Ranch condensate facility*

Gathering & Processing

Southwest Operations

2.6 Bcf/d
Gathering capacity

1.5 Bcf/d*
Processing capacity

29 MBPD
C2+ Fractionation capacity

1.4 Bcf/d
Transmission capacity

**Includes 40% of processing capacity through the Partnership's Centrahoma Joint Venture*

Gathering & Processing

Southwest Operations

- 2017 processed volumes expected to increase ~3% to ~8% over 2016
  - West Texas (Delaware Basin) and Western Oklahoma (STACK) to support majority of increase
- 2017 gathered volumes expected to be flat over prior year
- Began construction of 200 MMcf/d processing plant in Delaware Basin (Argo I) expected to be in-service in 2018

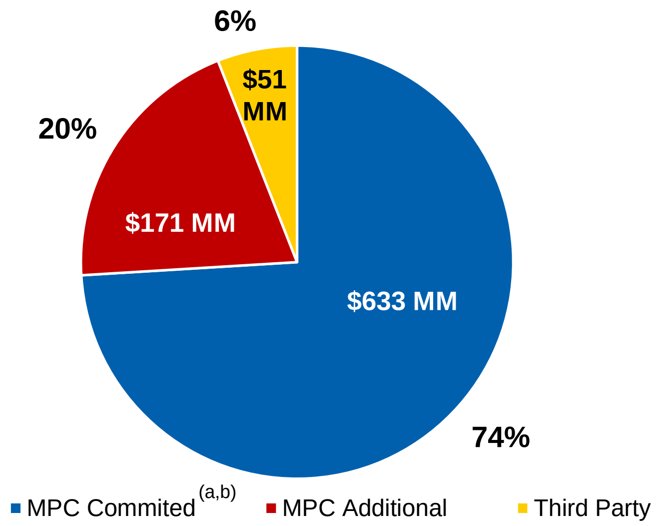
Processed Volumes			
Area	**Available Capacity (MMcf/d)[a]**	**Average Volume (MMcf/d)**	**Utilization (%)**
West Texas[b]	200	192	96%
East Texas	600	419	70%
Western OK	425	343	81%
Southeast OK[c]	120	120	100%
Gulf Coast	142	109	77%
1Q 2017 Total	**1,487**	**1,183**	**80%**
4Q 2016 Total	1,487	1,200	81%

[a] *Based on weighted average number of days plant(s) in service. Excludes periods of maintenance*
[b] *West Texas is comprised of the Hidalgo plant in the Delaware Basin*
[c] *Processing capacity includes Partnership's portion of Centrahoma JV and excludes volumes sent to third parties*

Logistics & Storage Contract Structure

- Fee-based assets with minimal commodity exposure[c]
- MPC has historically accounted for
  - over 85% of the volumes shipped on MPLX's crude and product pipelines
  - 100% of the volumes transported via MPLX's inland marine vessels
- MPC has entered into multiple long-term transportation and storage agreements with MPLX
  - Terms of up to 10 years, beginning in 2012
  - Pipeline tariffs linked to FERC-based rates
  - Indexed storage fees
  - Fee-for-capacity inland marine business

2016 Revenue – Customer Mix



MPC = 94%

Notes:
[a] Includes revenues generated under Transportation and Storage agreements with MPC (excludes marine agreements)
[b] Volumes shipped under joint tariff agreements are accounted for as third party for GAAP purposes, but represent MPC barrels shipped
[c] Commodity exposure only to the extent of volume gains and losses

Gathering & Processing Contract Structure

Durable long-term partnerships across leading basins

	Marcellus	Utica	Southwest
Resource Play	Marcellus, Upper Devonian	Utica	Haynesville, Cotton Valley, Woodford, Anadarko Basin, Granite Wash, Cana-Woodford, Permian, Eagle Ford
Producers	14 – including Range, Antero, EQT, CNX, Southwestern, Rex and others	7 – including Antero, Gulfport, Ascent, Rice, PDC and others	140 – including Newfield, Devon, BP, Cimarex, Chevron, PetroQuest and others
Contract Structure	Long-term agreements initially 10-15 years, which contain renewal provisions	Long-term agreements initially 10-15 years, which contain renewal provisions	Long-term agreements initially 10-15 years, which contain renewal provisions
Volume Protection (MVCs)	76% of 2017 capacity contains minimum volume commitments	27% of 2017 capacity contains minimum volume commitments	18% of 2017 capacity contains minimum volume commitments
Area Dedications	4.3 MM acres	3.9 MM acres	1.4 MM acres
Inflation Protection	Yes	Yes	Yes

MPLX's Commodity Price Sensitivities

- Forecast 95% fee-based net operating margin, 5% commodity exposure for 2017
- Maintain active hedging program with ~40% of our 2017 commodity exposure currently hedged
- Annual 2017 sensitivities to commodity price changes (assumes no hedges):

Product	Commodity Price Change	Annual DCF Impact
Natural Gas Liquids (Mont Belvieu)	$.05 per weighted average gallon[a]	~$18 MM
Crude Oil (WTI)	$1 per BBL	~$1 MM
Natural Gas (Henry Hub)	$.50 per MMbtu	<$1 MM

NOTE: Net operating margin is calculated as segment revenue less segment purchased product costs less realized derivative gains (losses).
[a]*The composition is based on MPLX's average projected barrel of approximately: Ethane: 35%, Propane: 35%, Iso-Butane: 6%, Normal Butane: 12%, Natural Gasoline: 12%.*

Adjusted EBITDA and Distributable Cash Flow Reconciliation from Net Income

($MM)	4Q 2015[a]	1Q 2016	2Q 2016	3Q 2016	4Q 2016	1Q 2017
Net income (loss)	42	(14)	72	194	182	187
Depreciation and amortization	58	136	151	151	153	187
Provision (benefit) provision for income taxes	1	(4)	(8)	-	-	-
Amortization of deferred financing costs	5	11	12	11	12	12
Non-cash equity-based compensation	1	2	4	3	1	3
Impairment expense	-	129	1	-	-	-
Net interest and other financial costs	27	57	52	53	53	66
(Income) loss from equity investments	(3)	(5)	83	(6)	2	(5)
Distributions from unconsolidated subsidiaries	15	38	40	33	39	33
Unrealized derivative (gains) losses[b]	(4)	9	12	2	13	(16)
Acquisition costs	26	1	(2)	-	-	4
Adjusted EBITDA	168	360	417	441	455	471
Adjusted EBITDA attributable to noncontrolling interests	-	(1)	-	(2)	-	(1)
Adjusted EBITDA attributable to Predecessor[c]	(31)	(57)	(66)	(64)	(64)	(47)
MarkWest's pre-merger EBITDA[d]	162	-	-	-	-	-
Adjusted EBITDA attributable to MPLX LP	299	302	351	375	391	423
Deferred revenue impacts	2	3	4	1	8	8
Net interest and other financial costs	(20)	(57)	(52)	(53)	(53)	(66)
Maintenance capital expenditures	(15)	(13)	(20)	(25)	(26)	(12)
Portion of DCF adjustments attributable to Predecessor[c]	-	1	2	5	-	2
Other	(6)	-	-	(2)	(2)	(1)
Distributable cash flow pre-MarkWest undistributed	260	236	285	301	318	354
MarkWest undistributed DCF[c]	(32)	-	-	-	-	-
Distributable cash flow attributable to MPLX LP	228	236	285	301	318	354
Preferred unit distributions	-	-	(9)	(16)	(16)	(16)
Distributable cash flow available to GP and LP unitholders	228	236	276	285	302	338

[a] Adjusted EBITDA and DCF Reconciliation from Net Income for 4Q 2015 has not been recast for the 1Q 2017 dropdown from MPC.

[b] The Partnership makes a distinction between realized or unrealized gains and losses on derivatives. During the period when a derivative contract is outstanding, we record changes in the fair value of the derivative as an unrealized gain or loss. When a derivative contract matures or is settled, we reverse the previously recorded unrealized gain or loss and record the realized gain or loss of the contract.

[c] The Adjusted EBITDA and DCF adjustments related to Predecessor are excluded from adjusted EBITDA attributable to MPLX LP and DCF prior to the acquisition dates.

[d] MarkWest pre-merger EBITDA and undistributed DCF relates to MarkWest's EBITDA and DCF from Oct. 1, 2015 through Dec. 3, 2015.

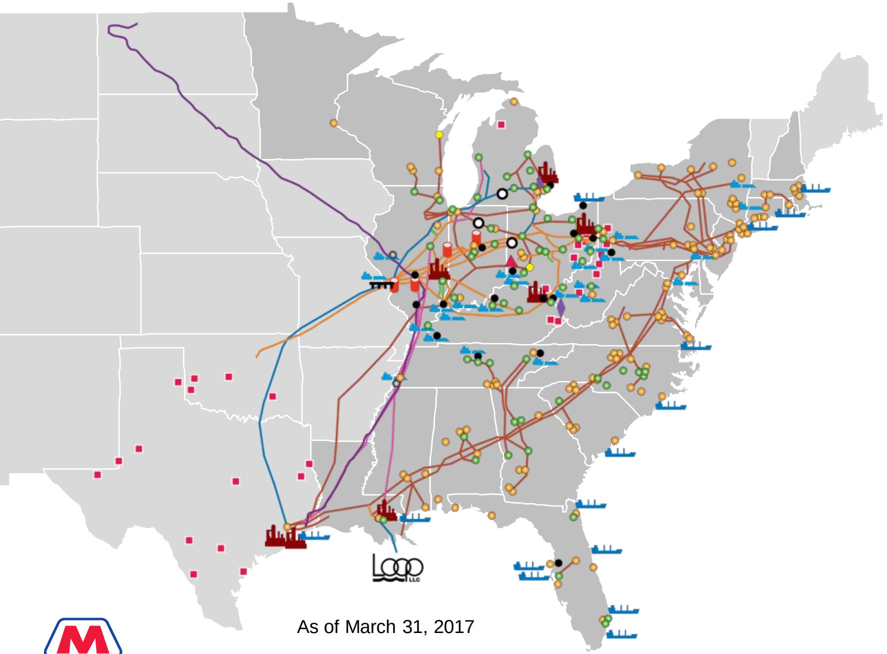
2017 Forecast - Reconciliation

Adjusted EBITDA and Distributable Cash Flow from Net Income

($MM)	Low	High
Net income	550	700
Depreciation and amortization	680	680
Net interest and other financial costs	330	330
Adjustment for equity investment earnings & distributions	100	100
Unrealized derivative losses[a]	20	20
Other	23	23
Adjusted EBITDA	1,703	1,853
Adjusted EBITDA attributable to noncontrolling interests	(3)	(3)
Adjusted EBITDA attributable to MPLX LP	1,700	1,850
Deferred revenue impacts	5	5
Net interest and other financial costs	(280)	(280)
Maintenance capital expenditures	(150)	(150)
Other	(25)	(25)
Distributable cash flow attributable to MPLX LP	1,250	1,400
Preferred unit distributions	(65)	(65)
Distributable cash flow available to GP and LP unitholders	1,185	1,335

[a] *The Partnership makes a distinction between realized or unrealized gains and losses on derivatives. During the period when a derivative contract is outstanding, we record changes in the fair value of the derivative as an unrealized gain or loss. When a derivative contract matures or is settled, we reverse the previously recorded unrealized gain or loss and record the realized gain or loss of the contract.*

MPC's Fully Integrated Downstream System



Refining and Marketing
- Seven-plant refining system with ~1.8 MMBPCD capacity
- One biodiesel facility and interest in three ethanol facilities
- One of the largest wholesale suppliers in our market area
- One of the largest producers of asphalt in the U.S.
- ~5,500 Marathon Brand retail outlets across 19 states
- Owns/operates 20 asphalt/light product terminals, while utilizing third-party terminals at 121 light product and two asphalt locations
- 2,074 owned/leased railcars, 163 owned transport trucks

Speedway
- ~2,730 locations in 21 states
- Second largest U.S. owned/operated c-store chain

Midstream (including MPLX)
- Owns, leases or has interest in ~10,800 miles of crude and refined product pipelines
- 62 light product terminals with ~24 million barrels of storage capacity
- 18 owned inland waterway towboats with more than 200 barges
- Owns/operates over 5,600 miles of gas gathering and NGL pipelines
- Owns/operates 55 gas processing plants, 14 NGL fractionation facilities and two condensate stabilization facilities

Marketing Area
MPC Refineries

Light Product Terminals
MPC Owned and Part-owned
Third Party

Asphalt/Heavy Oil Terminals
MPC Owned
Third Party

Water Supplied Terminals
Coastal
Inland

Pipelines
MPC Owned & Operated
MPC Interest: Operated by MPC
MPC Interest: Operated by Others
Pipelines Used by MPC

Renewable Fuels
Ethanol Facility
Biodiesel Facility

MPLX Terminals: Owned and Part-owned
MPLX Pipelines: Owned & Operated
MPLX Interest Pipelines: Operated by Others
Tank Farms
Cavern
Barge Dock
MarkWest Complex