2017 Citi

One-on-One MLP / Midstream Infrastructure Conference

Aug 16 – 17, 2017

Forward-Looking Statements

Statements contained in this presentation other than statements of historical fact are forward-looking statements. While these forward-looking statements, and any assumptions upon which they are based, are made in good faith and reflect our current judgment regarding the direction of our business, actual results will likely vary, sometimes materially, from any estimates, predictions, projections, assumptions or other future performance presented or suggested in this presentation. These forward-looking statements can generally be identified by the words "anticipates," "believes," "expects," "plans," "intends," "estimates," "forecasts," "budgets," "projects," "could," "should," "may" and similar expressions. These statements reflect our current views with regard to future events and are subject to various risks, uncertainties and assumptions.

We undertake no duty to update any forward-looking statement to conform the statement to actual results or changes in the company’s expectations. For more information concerning factors that could cause actual results to differ from those expressed or forecasted, see NuStar Energy L.P.’s annual report on Form 10-K and quarterly reports on Form 10-Q, filed with the SEC and available on NuStar’s website at www.nustarenergy.com.

We use financial measures in this presentation that are not calculated in accordance with generally accepted accounting principles (“non-GAAP”) and our reconciliations of non-GAAP financial measures to GAAP financial measures are located in the appendix to this presentation. These non-GAAP financial measures should not be considered an alternative to GAAP financial measures.

NuStar Overview

Two Publicly Traded Companies

Other Public Unitholders
33.9 million NSH Units
79.0% Membership Interest

William E. Greehey
9.1 million NSH Units
21.1% Membership Interest

NuStar GP Holdings, LLC
NYSE: NSH

G.P. Interest in NS

~11% Common L.P. Interest in NS

Incentive Distribution Rights in NS (IDR)

~11% NS Distribution Take

IPO Date: 7/19/2006

Unit Price (8/14/17): $21.65

Annualized Distribution/Unit: $2.18

Yield (8/14/17): 10.1%

Market Capitalization: $0.9 billion

Enterprise Value: $1.0 billion

NuStar Energy L.P.
NYSE: NS

IPO Date: 4/16/2001

Common Unit Price (8/14/17): $40.32

Annualized Distribution/Common Unit: $4.38

Yield (8/14/17): 10.9%

Market Capitalization: $4.4 billion

Enterprise Value: $7.9 billion

Credit Ratings

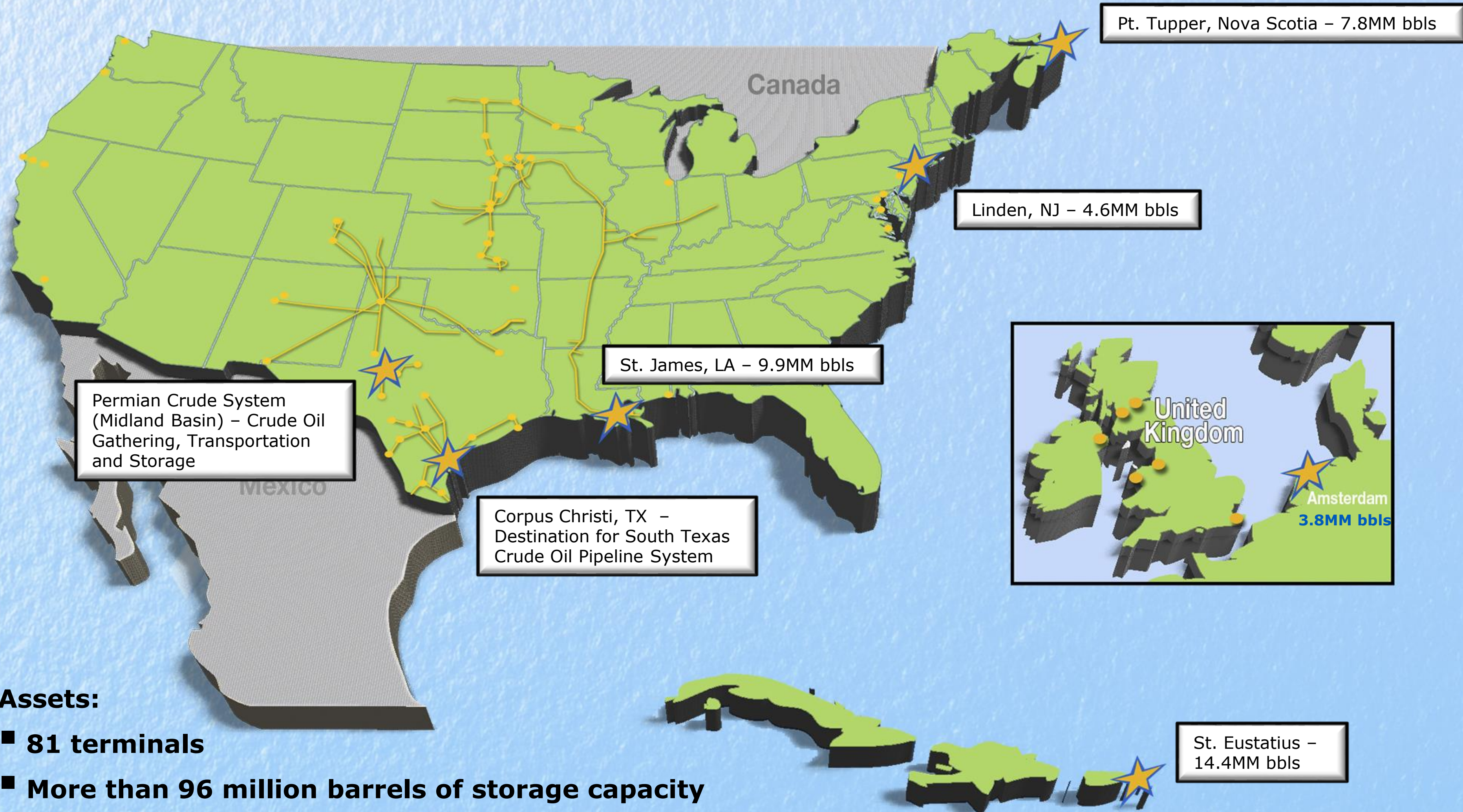
Moody's: Ba1/Negative

S&P: BB+/Stable

Fitch: BB/Stable

Public Unitholders
93.0 million Common
9.1 million Series A Preferred
15.4 million Series B Preferred

Large and Diverse Geographic Footprint with Assets in Key Locations



Assets:

- **81 terminals**
- **More than 96 million barrels of storage capacity**
- **More than 9,300 miles of crude oil and refined product pipelines**

Focus Has Been on De-Risking the Business and Restoring Coverage

De-Risking the Business and Restoring Coverage

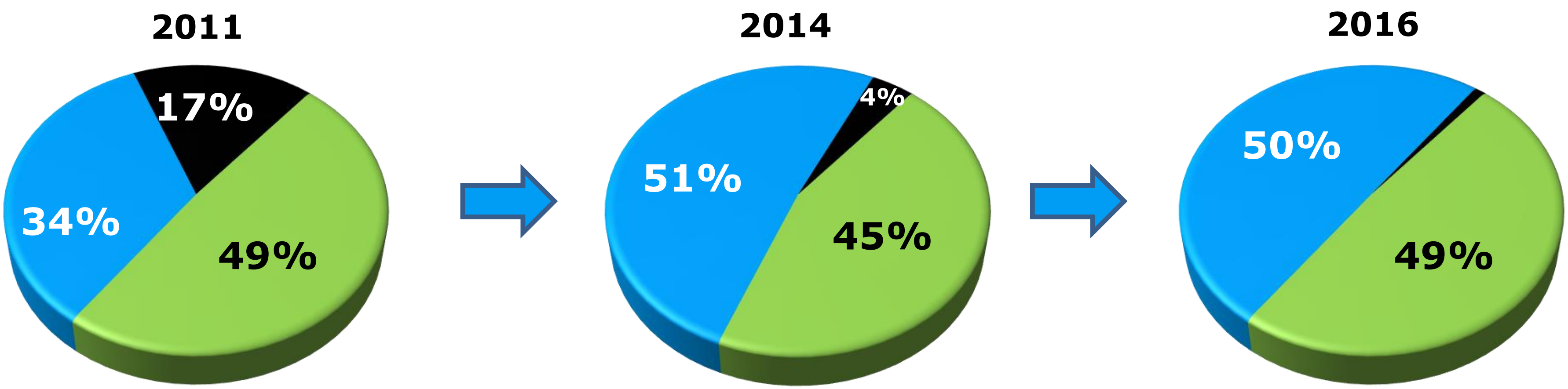
For the last 3 years, we have been focused on...

De-Risking Our Business	+	Refocusing On Our Core Pipeline and Storage Business	+	Restoring Our Distribution Coverage	+	Strengthening Our Balance Sheet

With solid execution by our management team and our employees, we have now set the stage for future growth

Successfully De-Risked the Partnership - Exited the Majority of our Margin-Based Businesses

Percentage of Annual Segment EBITDA[1]



Pipeline

- Refined Product Pipelines
- Crude Oil Pipelines
- Ammonia Pipeline

Storage

- Refined Product Terminals
- Crude Oil Storage

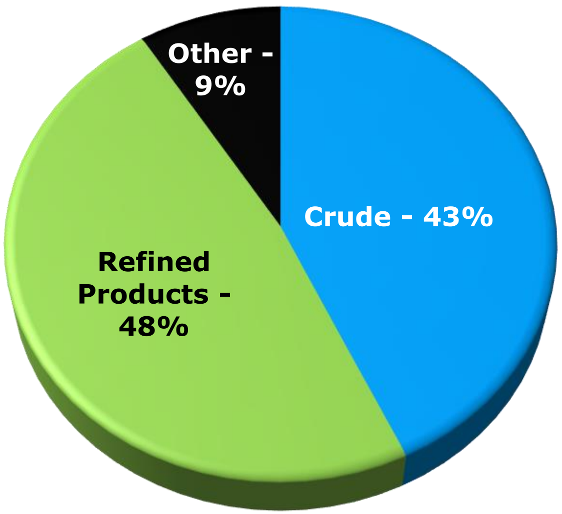
Fuels Marketing

- Recently exited our Crude Oil and Fuel Oil Trading operations – 2017 EBITDA neutral
- The only operations remaining are our bunkering operations at Texas City and St. Eustatius and our butane blending operations

1 - Please see slides 36-40 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures

Pipeline Segment – Committed and Diversified

Pipeline Receipts by Commodity
TTM as of 6/30/17



*Other includes ammonia, naphtha and NGL’s

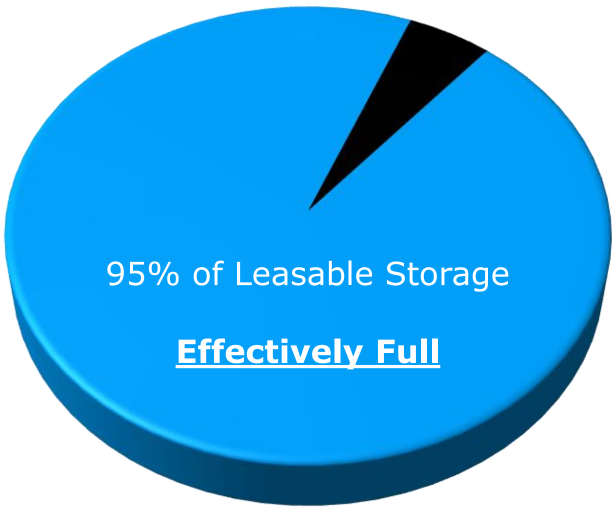
Committed Pipeline Revenues
(6/30/17 annual forecast)

- ~92% committed through take or pay contracts or through structural exclusivity (uncommitted lines serving refinery customers with no competition)

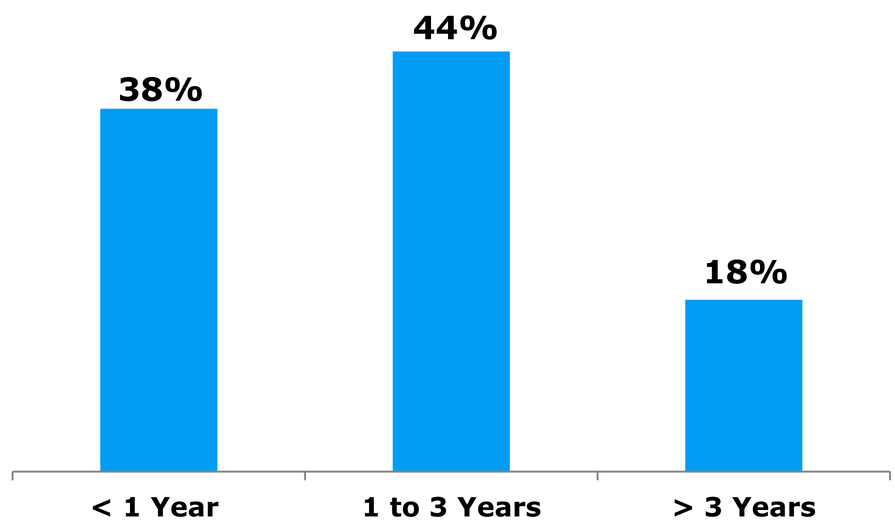


Storage Segment – Effectively Full

Storage Lease Utilization
(as of 6/30/2017)

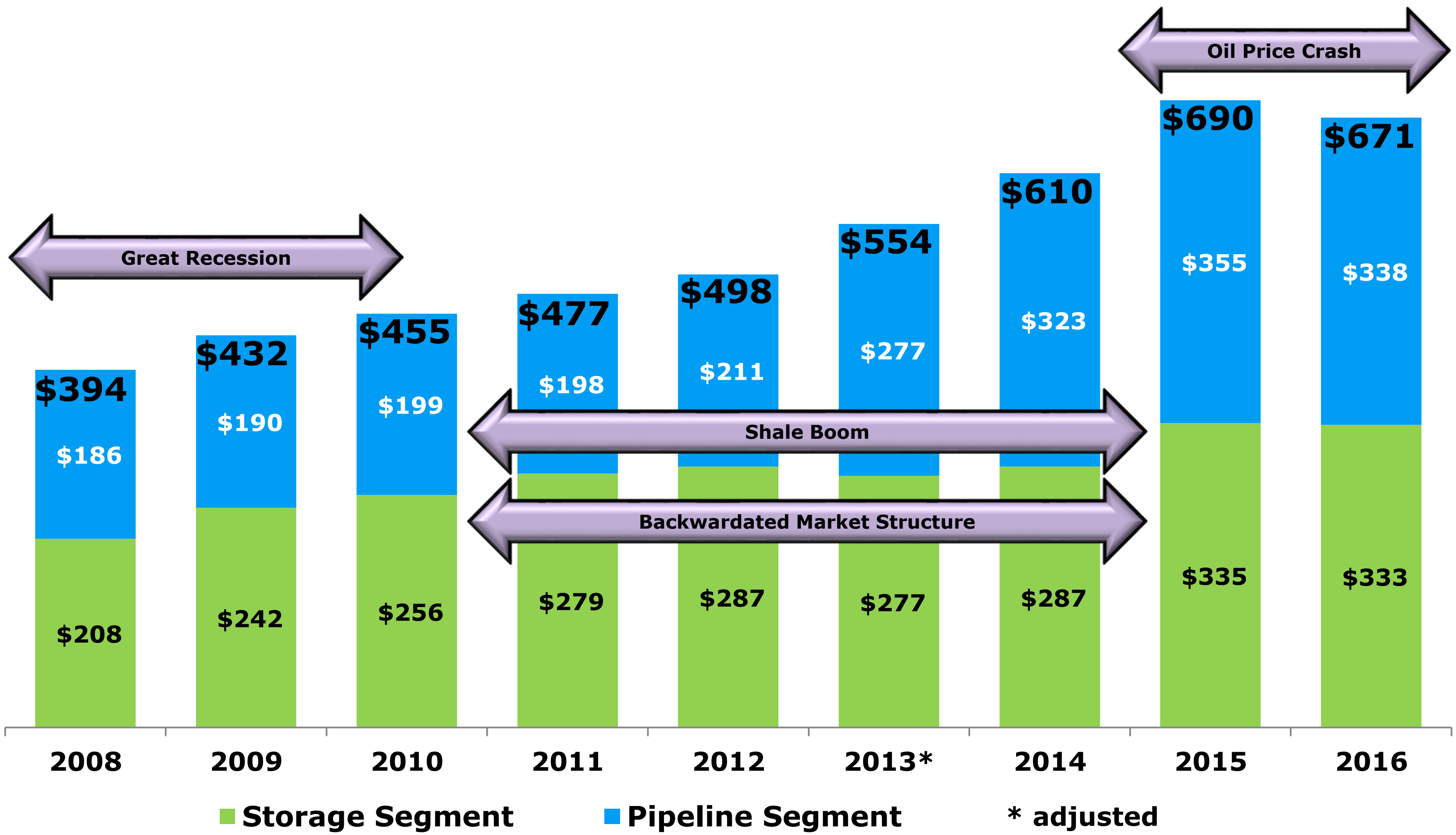


Storage Lease Renewals
(% as of 6/30/2017)



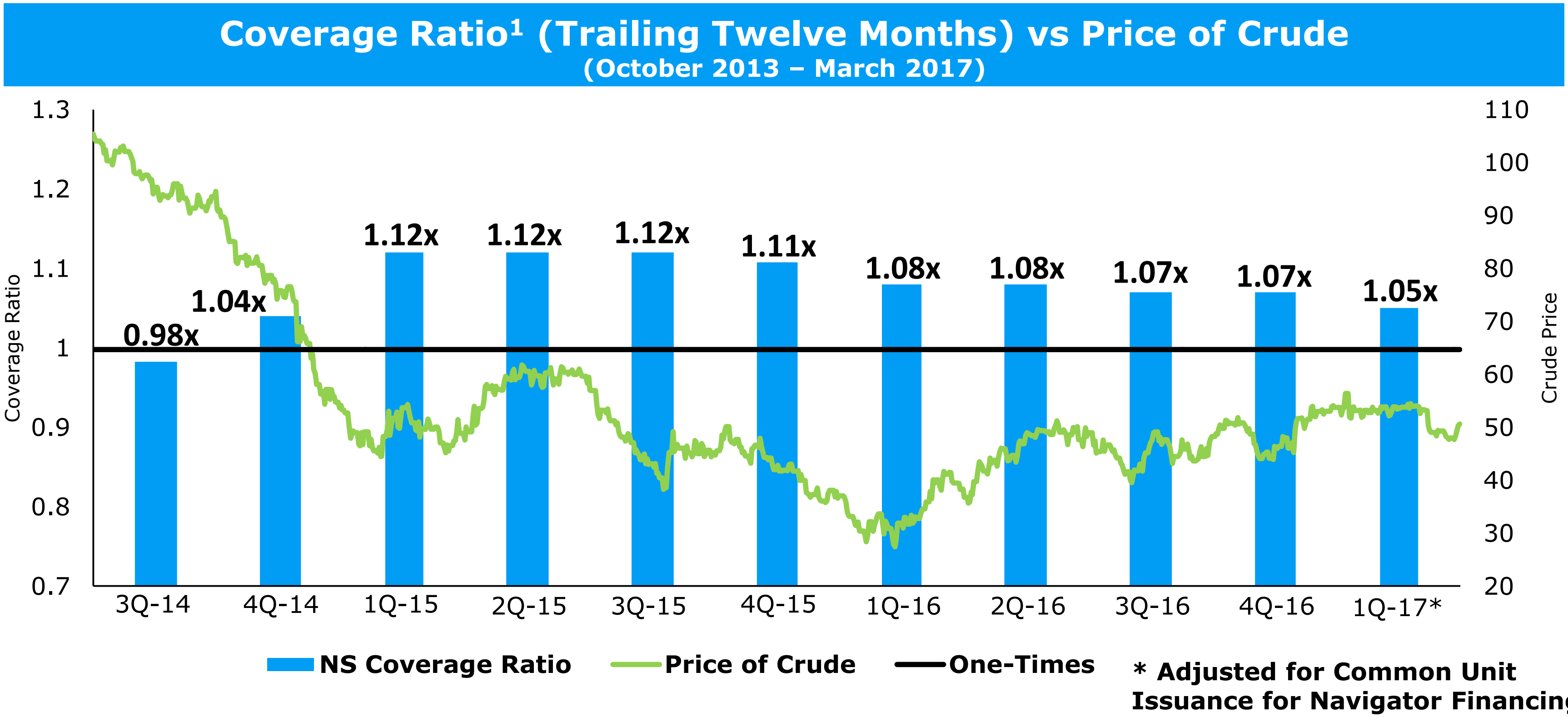
Base Business EBITDA – Consistent Performance in Various Market Conditions

Historical Pipeline and Storage Segment EBITDA[1] ($ in millions)



1 - Please see slides 36-40 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures

Coverage Restored in the Midst of Low Crude Oil Price Environment – Putting Us in a Position to Participate in Acquisitions



- Second quarter 2017 coverage ratio of 0.59x – disproportionately impacted by $14 million of Navigator acquisition and financing costs

- Expect to begin covering distribution again as early as the second half of 2018

1 - Please see slides 36-40 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures

Permian Crude System Overview

Permian Crude System Overview

- On May 4th, NuStar acquired the Permian Crude System by acquiring 100% of the membership interests in Navigator Energy Services, LLC from First Reserve Energy Infrastructure Fund for ~$1.5 billion in cash
  - Permian Crude System - a leading crude oil gathering, transportation and storage system in the "core of the core" of the Midland Basin in the Permian

- The Permian Basin currently represents approximately 40% of all U.S. onshore rig activity

- Before this acquisition, we actively looked at opportunities in the Permian
  - For one reason or another, they did not meet our acquisition criteria or they included assets that were either too risky or outside of our core areas of expertise

- This acquisition provided a meaningful entry into the Permian and a significant growth platform

- The addition of the Permian Crude System, coupled with NuStar's Eagle Ford position, solidifies NuStar's presence in two of the most prolific basins in the U.S.

- The Permian Crude System assets are consistent with NuStar's other crude oil operations, with no first purchasing or gas processing exposure

Permian Crude System Overview (continued)

- Significant growth prospects through volume ramp from existing producers, bolt-on acquisitions and larger takeaway capacity opportunities
- Diversified, high-quality producer portfolio with attractive long-term fee-based contracts
- Expected acquisition multiple of high single digits by 2020 as volumes ramp
  - Driven by existing producers with more than 514,000 dedicated acres on the system

Permian Crude System Highlights

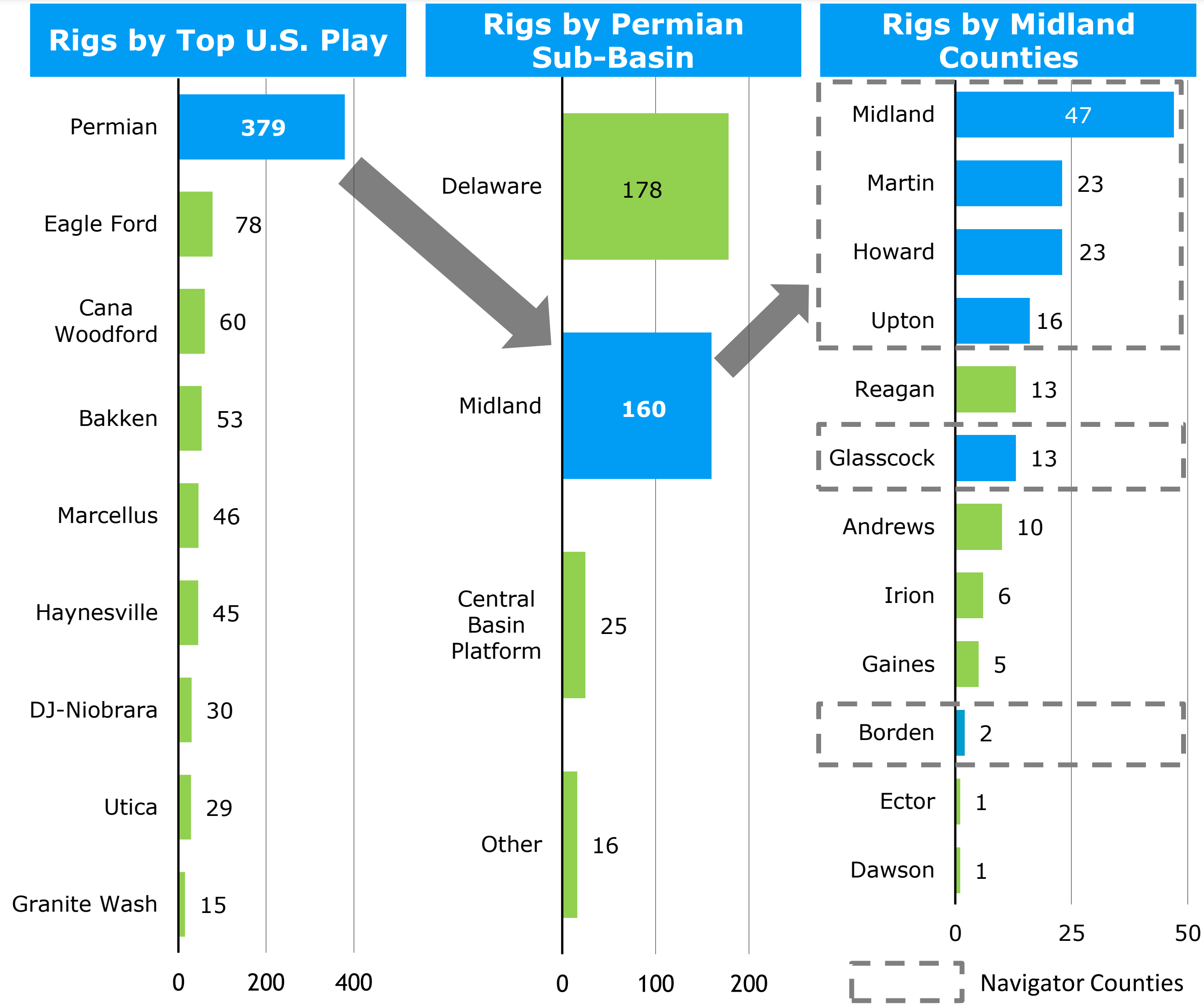
"Core of the Core" of the Midland Basin	■ Permian Crude System located in 5 of the 6 most active counties in the Midland Basin ■ Midland is one of the most economic, resilient and fastest growing basins in the U.S. – Permian, in aggregate, represents ~40% of all U.S. onshore rig activity ■ Permian has unparalleled resource potential – Decades of drilling inventory with breakeven economics at $35 - $45/bbl
Significant Volume Growth	■ Rapid volume growth expected in 2017, 2018 and beyond, driven by existing producers with more than 514,000 dedicated acres on the system ■ Further potential upside from undedicated producers, AMI acreage and improved drilling results / technology
Growth Platform for NuStar	■ Potential to expand the system organically ■ Numerous bolt-on acquisition opportunities ■ Platform enhances ability to develop larger takeaway capacity projects
Newly Constructed/ Well Designed System	■ Fully integrated crude system centered around transportation, providing customers with excellent access to multiple downstream end markets – Connection to nearly all destinations in Big Spring, Midland and Colorado City ■ Newly-built assets with minimal annual maintenance capex expected
Stable Cash Flow	■ System structured with long-term, fixed-fee contracts – Mainline transportation with ~92,000 bbl/d of ship-or-pay volume commitments and nearly 7 year average contract life – Pipeline gathering contract portfolio with an average life of over 10 years – 440,000 bbls of storage contracted with an average life of nearly 7 years ■ Well-diversified customer base, including 16 upstream producers with a meaningful and active presence in the Midland Basin

Our Permian Crude System is in the Most Active Areas of the Midland

- Permian Basin has 379 rigs operating, representing ~40% of all U.S. onshore rig activity
  - 2.8x the rig count in the Bakken / Eagle Ford combined

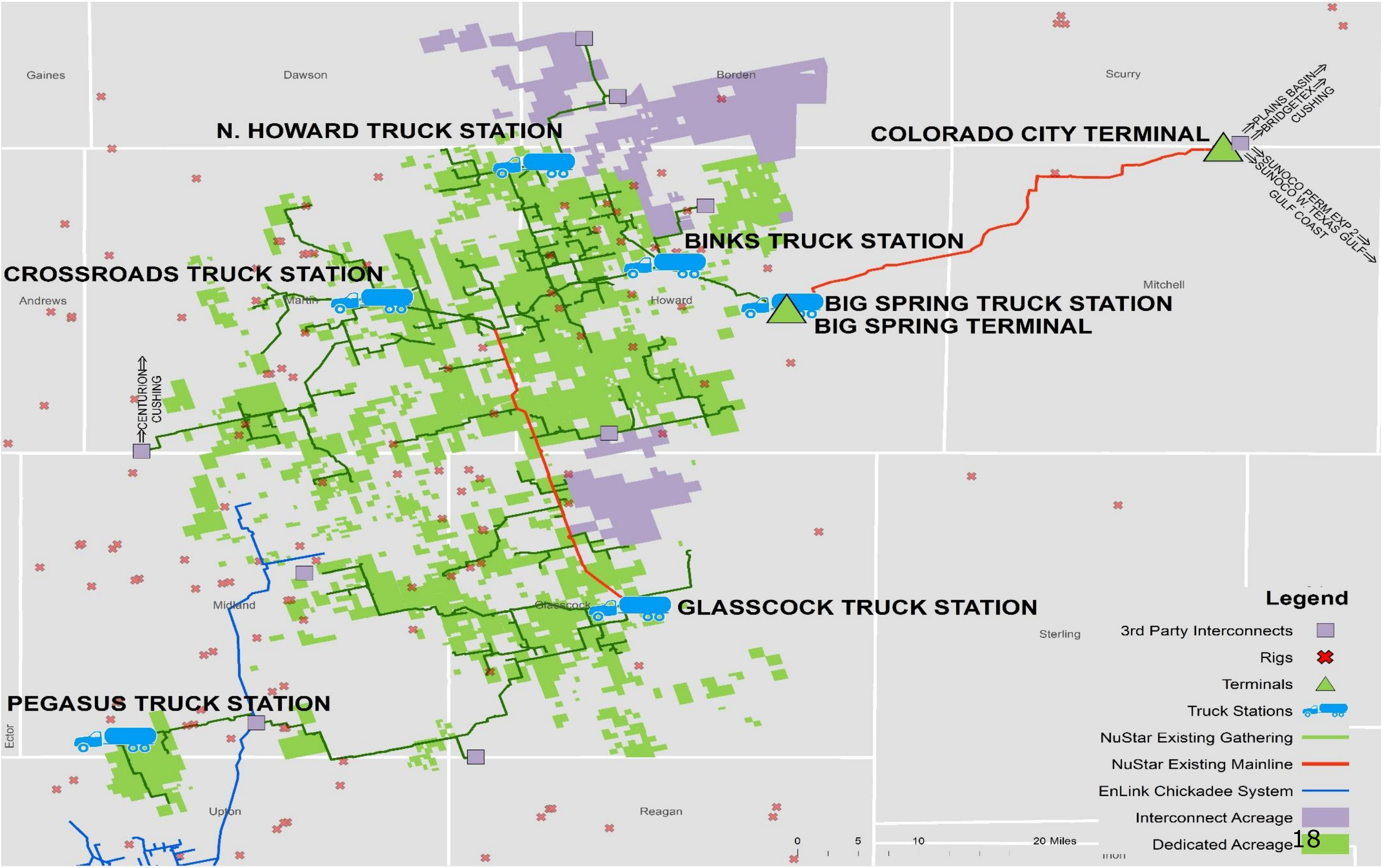
Our Permian Crude System Overview:

- Fully integrated crude platform
  - ~625 miles of pipeline with 412,000 bbls/d of current capacity
  - 1 million bbls of storage capacity
- Pipeline gathering with over 514,000 dedicated acres
  - Nearly 5 million acres of "Areas of Mutual Interest," or "AMI"
- Delivery points into Midland, Colorado City and Big Spring



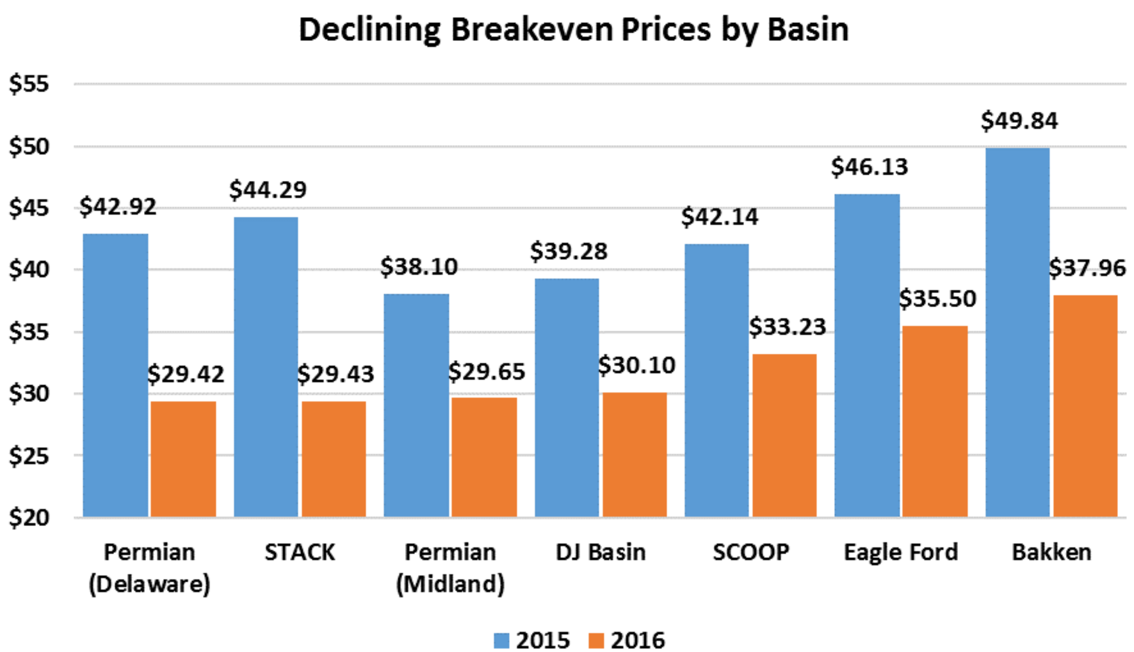
Source: Rig count per Baker Hughes data as of 8/4/2017

Our Permian Crude System is an Integrated Crude System

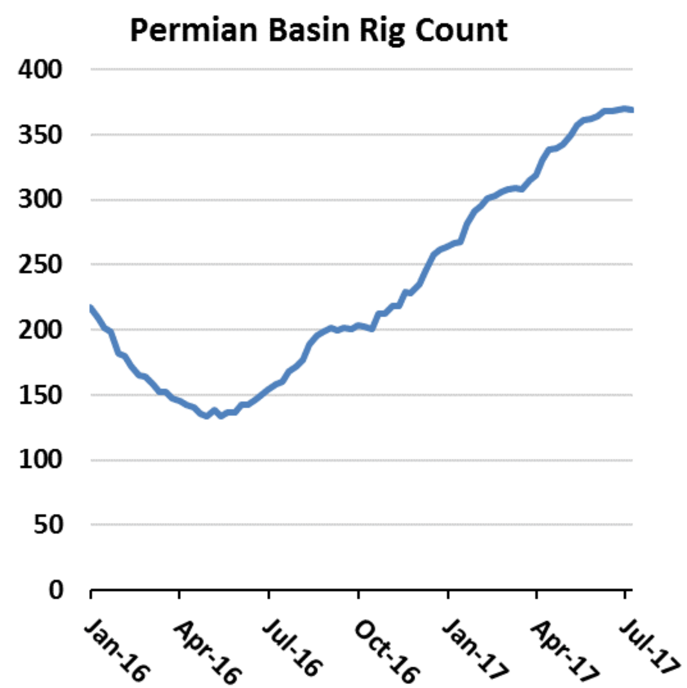


Permian Basin Continues to be the U.S. Basin With the Strongest Growth

- Rig counts in the Permian are up 275% (245% increase in the Midland) since the low in May 2016
- Producers have realized lower break-evens due to multi-stack pay zones and improving well productivity
  - Permian break-evens are estimated to be below $30 per barrel with current drilling and completion costs
  - Most of our producers indicate they will continue at their current drilling pace at prices above $40



Source: Wells Fargo



Source: Baker Hughes

NuStar's Permian Crude System Rig Counts Much Higher than Initially Expected

	Acquisition Announcement	Current July 31, 2017
Ship-or-pay Volume Commitments (Mbpd)	74,000	**92,000**
Dedicated Acreage	500,000	**514,000**
Dedicated Rig Count (actual)	28	**39**
Dedicated Rig Count (2017 forecast exit)	29	
Dedicated Rig Count (2018 forecast exit)	38	
Throughput Volumes (average monthly Mbpd)	~115,000	**~150,000**

Permian Crude System Acquisition Financing

- The acquisition purchase price was funded by a combination of equity and debt offerings, consistent with NuStar's targeted credit profile

Common Equity Offering

- On April 18, NuStar issued 14.4 million new common units for gross proceeds of ~$665 million (including exercise of overallotment option)

Perpetual Preferred Offering

- On April 28, we issued 15.4 million Series B perpetual preferred units for gross proceeds of $385 million (including exercise of overallotment option)
  - Fixed distribution rate of 7.625% for five years
  - Thereafter, floating distribution rate of three-month LIBOR plus 5.643%, callable at par after five years

Permian Crude System Acquisition Financing (continued)

Senior Notes Offering

- On April 28, we raised $550 million by issuing 5.625% 10-year senior notes due April 28, 2027

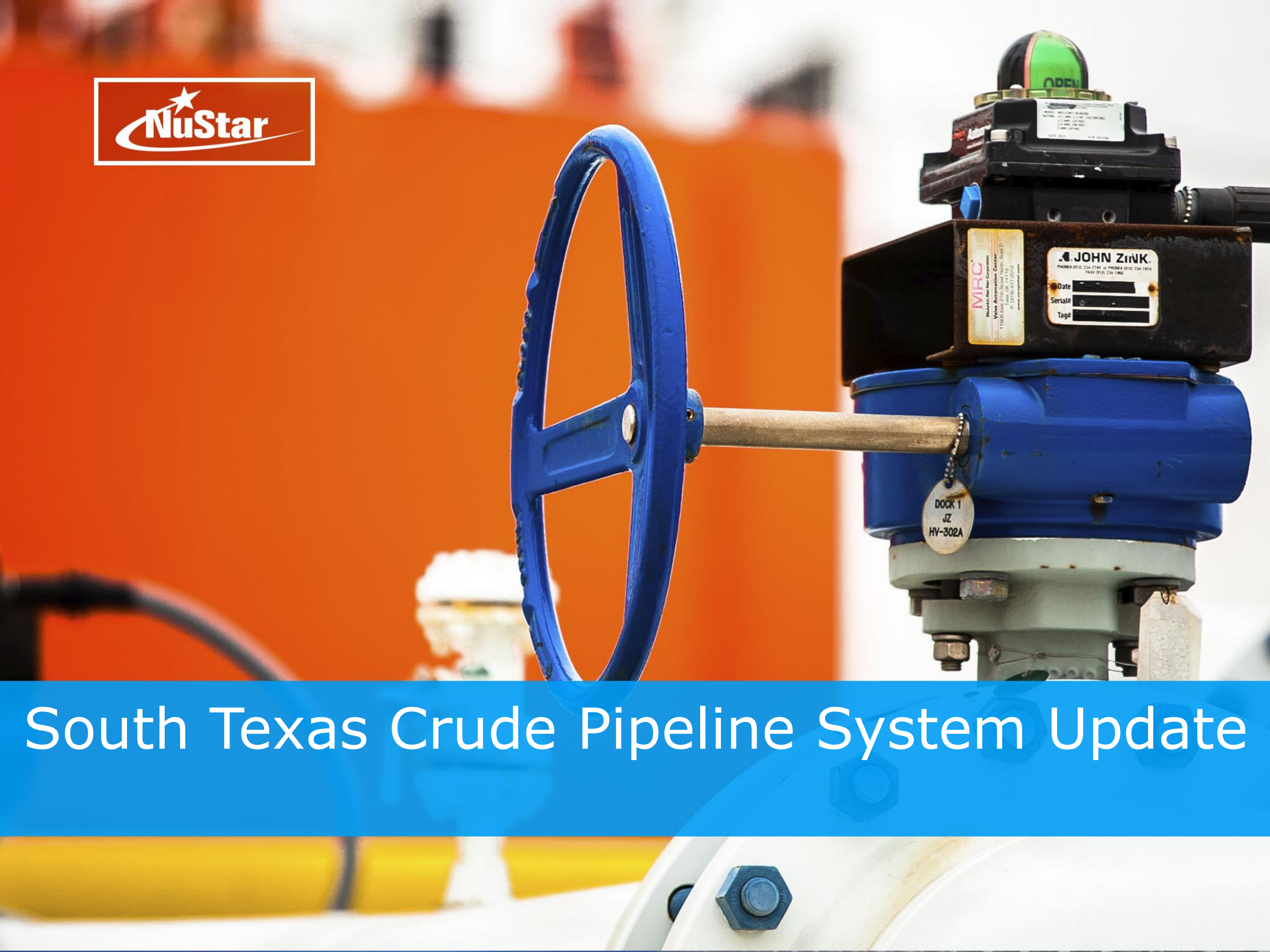
NuStar GP Holdings IDR Waiver

- To demonstrate its strong support for the transaction, NuStar GP Holdings agreed to temporarily forgo all IDR cash distributions to which it would be entitled from any NuStar Energy L.P. common equity issuances after signing the acquisition agreement:
  - For a period of ten (10) quarters from the date of the acquisition closing (starting with the distribution for the 2nd quarter of 2017)
  - Capped at $22 million in the aggregate

Permian Crude System Financial Projections

- Expect assets to contribute $30 to $50 million of EBITDA[1] in 2017
  - Partially offset by $14 million of transaction related costs associated with closing the acquisition
- 2018 EBITDA multiple expected to be in the low teens
- EBITDA multiple expected to be in the high single digits by 2020
- Growth capital spending projected to be ~$250 million over the next five years
  - ~$123 million of spend forecasted to occur in 2017 on expansion of the system
    - Majority of 2017 spend related to expansion of transportation system and gathering extensions
      - Currently there are 17 active construction projects, with a total of 28 more in development

1 - Please see slides 36-40 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures



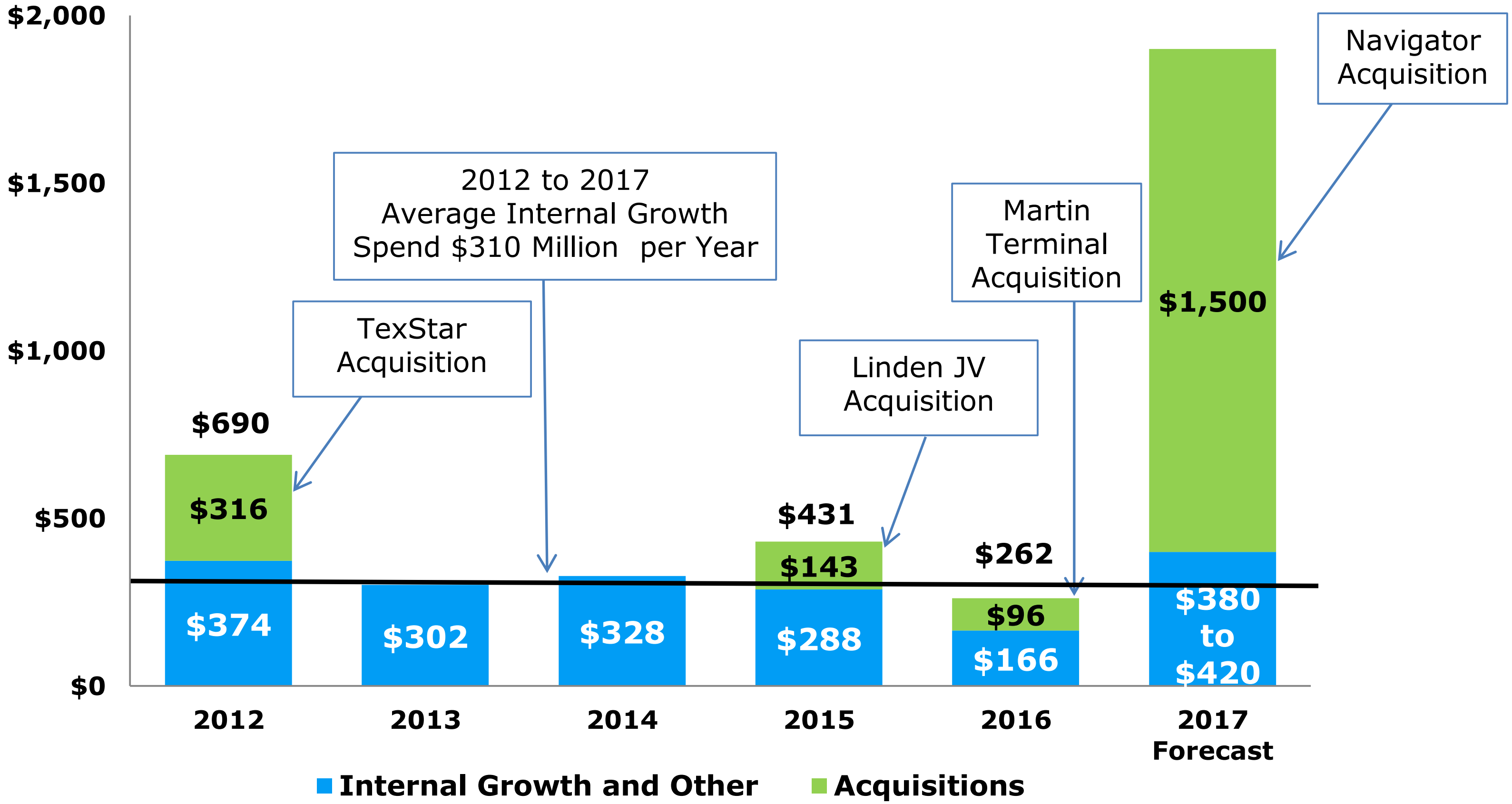
South Texas Crude Pipeline System Update

South Texas Crude Pipeline System Update

- As expected, the Eagle Ford has seen a modest recovery, with rig counts up a significant 45 rigs from its low on July 29, 2016
  - Even with this recovery, pipeline capacity in the Eagle Ford currently exceeds production and production is below aggregate minimum volume commitments
- We have not seen volumes on our System increase, and we expect current utilization to continue through 2018, due to shippers' contract management strategies
  - Most shippers have T&D commitments to move barrels on Houston-bound pipelines, as well as on pipelines to Corpus Christi
  - Houston-bound rates are higher, so shippers are pushing any incremental volumes there under their minimum volume commitments
- We continue to explore using the available capacity as the first step in a long-haul solution to bring barrels from the Permian
- We remain well-positioned to benefit from EBITDA growth with no incremental capex when volumes increase
- Approximately 45-50% of T&D commitments to NuStar begin rolling off in the 3rd quarter of 2018
  - We currently do not expect our customers to renew these T&D commitments
  - Expect our customers to convert to walk-up shippers

Return to Growth

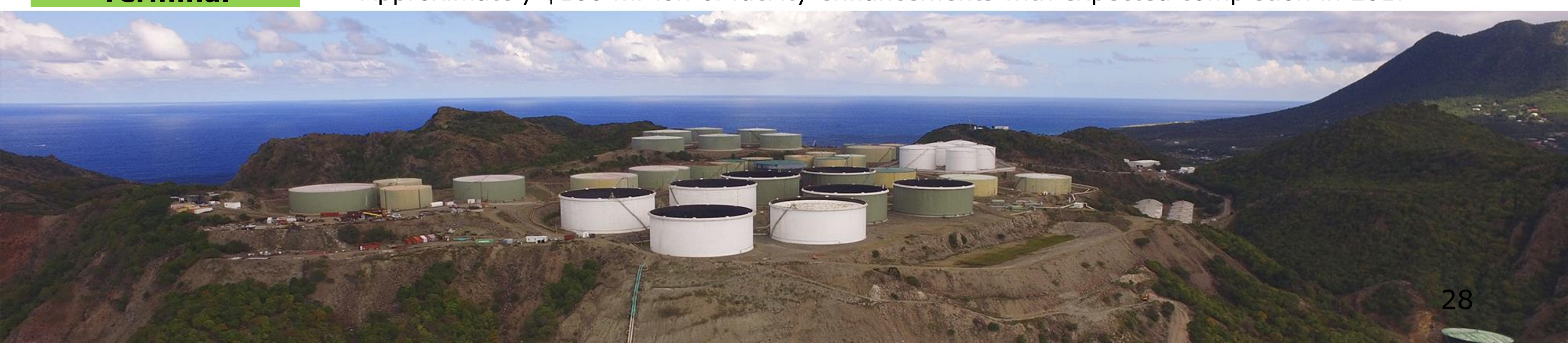
Expect $380 to $420 Million of Internal Growth Spending in 2017 (Dollars in Millions)



- 2017 Total Capital Spending (excluding Navigator Acquisition price), which includes Reliability Capital, is expected to be in the range of $415 to $475 million

Base Business Projects and Growth Opportunities – Included in 2017 Guidance

Permian Crude System Expansion	■ Purchased for ~$1.5 billion ■ Growth capital spending projected to be ~$250 million over the next five years ■ ~$123 million of spend to occur in 2017 on expansion of the system
Mid-Continent Pipeline & Terminals	■ Several projects have been completed or under development to increase distillate and propane supply throughout the Upper Midwest for an investment of approximately $80 million ■ Propane supply projects complete and in service ■ Construction on remaining projects should be completed by the fourth quarter of 2017
Corpus Christi Terminal Acquisition	■ Purchased 1.15 mmbbls of crude and refined products storage for $93mm, net ■ Assets located adjacent to existing NuStar Corpus Christi North Beach Terminal ■ Completion of Port of Corpus Christi's new state-of-the-art dock in 2H 2017 will allow for increased volumes
Linden Terminal	■ Constructing 500MBbls of new storage in the New York Harbor ■ Expected cost of ~$50 million in 2017 ■ Expect to complete construction in the first quarter of 2018
St. Eustatius Terminal	■ Effective in the first quarter of 2017, recontracted 9.5 million barrels of storage ■ Approximately $100 million of facility enhancements with expected completion in 2017



Growth Projects – Currently Evaluating $1.0 to $1.5 Billion

Crude Oil Pipeline Expansion

- Expansion of our Permian Crude System operations
- Expansion of our South Texas Crude Oil Pipeline System
- Pursuing a solution to link the two systems and provide optionality to Corpus Christi, TX

Refined Product Pipeline Expansion

- South Texas refined product supply opportunities
- Gulf Coast & Northern Mexico NGL opportunities

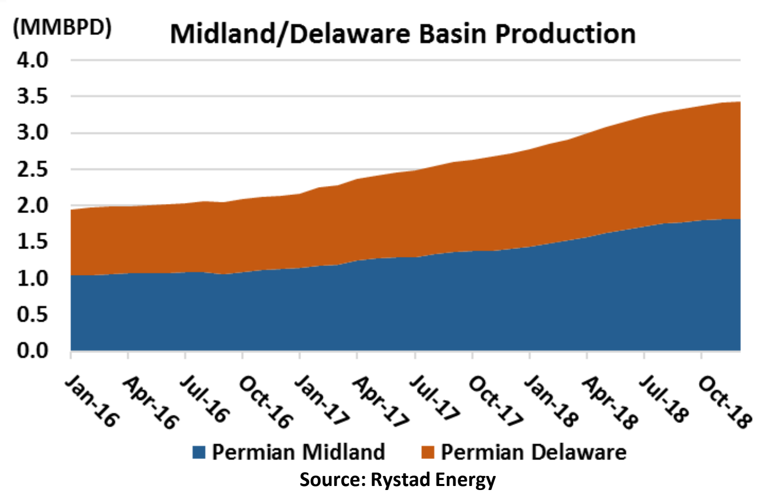
Terminal Expansion

- Opportunities to expand Northeast operations
- Additional tankage at our St. James Terminal
- Renewable opportunities on the East and West Coast

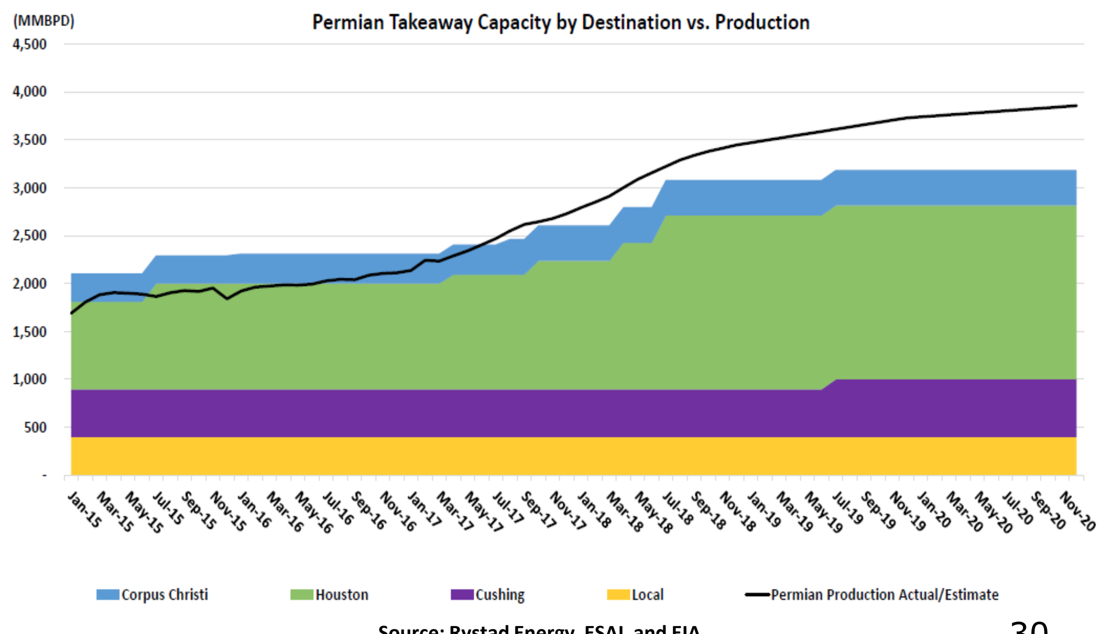
Additional Permian Takeaway Capacity Still Needed

- Even with many completions delayed, the Permian Basin is on track to add 540 MBPD over the course of this year
- Several new infrastructure projects have been announced recently to handle the expected production

Expanded System	Owner	Expansion Volume
BridgeTex	Magellan/Plains	40M Bbl/d
Cactus	Plains	60M Bbl/d
Midland to Sealy	Enterprise	450M Bbl/d
Permian Express III	Sunoco	200M Bbl/d

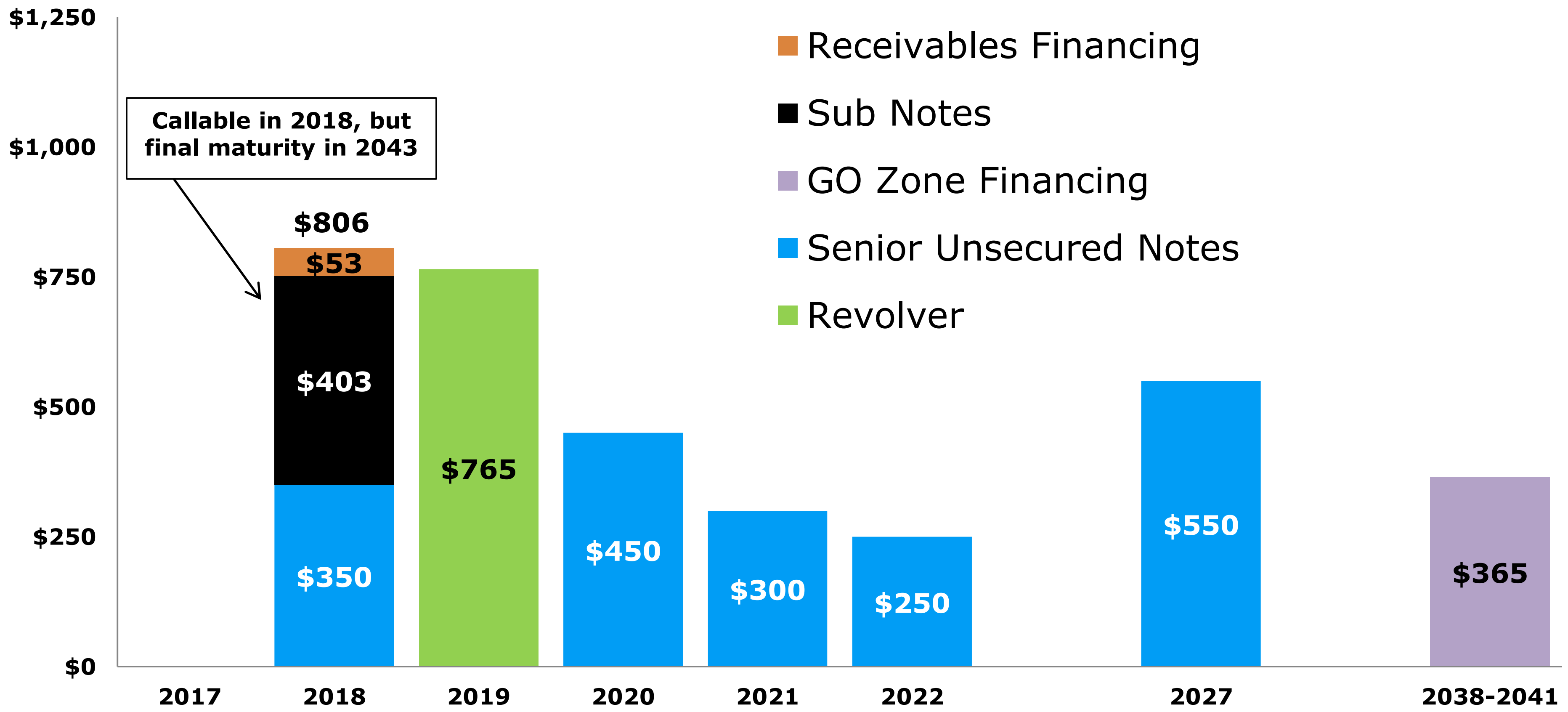


- Given long-term production curve and assuming these new projects come to fruition, we still believe that there is room for another long-haul pipeline from Permian to Corpus
- In addition to working with shippers on our own long-haul project, we are currently in discussions with potential strategic partners to combine and construct assets for this long-haul solution



Finance Update

No Debt Maturities until 2018
($ in Millions)



Note: Debt maturities as of 6/30/17

2017 Guidance Summary

($ in Millions)	Annual EBITDA[1]	G&A Expenses	Reliability Capital Spending	Strategic Capital Spending
Previous Guidance	$620 - $670	$100 - $120	$35 - $55	$400 - $440
Delayed volume ramp on Permian Crude System, lower than expected vessel activity at St. Eustatius and impact of increased customer turnaround activity	($20)			
Additional expansion on the Permian Crude System, more than offset by deferred strategic project spending, primarily on northern Mexico supply project				($20)
Current Guidance	$600 - $650	$100 - $120	$35 - $55	$380 - $420

Note: No changes to the guidance provided on the second quarter earnings conference call, held on July 28, 2017

1 - Please see slides 36-40 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures

Appendix

Capital Structure ($ in Millions)

As of June 30, 2017
(Unaudited)

$1.5 billion Credit Facility	$765
NuStar Logistics Notes (4.75%)	250
NuStar Logistics Notes (4.80%)	450
NuStar Logistics Notes (5.63%)	550
NuStar Logistics Notes (6.75%)	300
NuStar Logistics Notes (7.65%)	350
NuStar Logistics Sub Notes (7.63%)	403
GO Zone Bonds	365
Receivables Financing	53
Short-term Debt & Other	36
Total Debt	$3,522
Total Partners' Equity	2,501
Total Capitalization	$6,023

- Availability under $1.5 billion Credit Facility (as of June 30, 2017): ~$727 million
  - Debt to EBITDA[1] calculation per Credit Facility of 4.6x (as of June 30, 2017)

1 – Please see slides 36-40 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures

Reconciliation of Non-GAAP Financial Information

NuStar Energy L.P. utilizes financial measures, such as earnings before interest, taxes, depreciation and amortization (EBITDA), distributable cash flow (DCF) and distribution coverage ratio, which are not defined in U.S. generally accepted accounting principles (GAAP). Management believes these financial measures provide useful information to investors and other external users of our financial information because (i) they provide additional information about the operating performance of the partnership's assets and the cash the business is generating, (ii) investors and other external users of our financial statements benefit from having access to the same financial measures being utilized by management and our board of directors when making financial, operational, compensation and planning decisions and (iii) they highlight the impact of significant transactions.

Our board of directors and management use EBITDA and/or DCF when assessing the following: (i) the performance of our assets, (ii) the viability of potential projects, (iii) our ability to fund distributions, (iv) our ability to fund capital expenditures and (v) our ability to service debt. In addition, our board of directors uses a distribution coverage ratio, which is calculated based on DCF, as one of the factors in its determination of the company-wide bonus and the vesting of performance units awarded to management. DCF is a widely accepted financial indicator used by the master limited partnership (MLP) investment community to compare partnership performance. DCF is used by the MLP investment community, in part, because the value of a partnership unit is partially based on its yield, and its yield is based on the cash distributions a partnership can pay its unitholders.

None of these financial measures are presented as an alternative to net income, or for any period presented reflecting discontinued operations, income from continuing operations. They should not be considered in isolation or as substitutes for a measure of performance prepared in accordance with GAAP. For purposes of segment reporting, we do not allocate general and administrative expenses to our reported operating segments because those expenses relate primarily to the overall management at the entity level. Therefore, EBITDA reflected in the segment or project reconciliations exclude any allocation of general and administrative expenses consistent with our policy for determining segmental operating income, the most directly comparable GAAP measure.

Reconciliation of Non-GAAP Financial Information (continued)

The following is a reconciliation of operating income to EBITDA for the pipeline segment (in thousands of dollars):

	Year Ended December 31,								
	2008	2009	2010	2011	2012	2013	2014	2015	2016
Operating income	$ 135,086	$ 139,869	$ 148,571	$ 146,403	$ 158,590	$ 208,293	$ 245,233	$ 270,349	$ 248,238
Plus depreciation and amortization expense	50,749	50,528	50,617	51,165	52,878	68,871	77,691	84,951	89,554
EBITDA	$ 185,835	$ 190,397	$ 199,188	$ 197,568	$ 211,468	$ 277,164	$ 322,924	$ 355,300	$ 337,792

The following is a reconciliation of operating income (loss) to EBITDA for the storage segment (in thousands of dollars):

	Year Ended December 31,								
	2008	2009	2010	2011	2012	2013	2014	2015	2016
Operating income (loss)	$ 141,079	$ 171,245	$ 178,947	$ 196,508	$ 198,842	$ (127,484)	$ 183,104	$ 217,818	$ 214,801
Plus depreciation and amortization expense	66,706	70,888	77,071	82,921	88,217	99,868	103,848	116,768	118,663
EBITDA	$ 207,785	$ 242,133	$ 256,018	$ 279,429	$ 287,059	$ (27,616)	$ 286,952	$ 334,586	$ 333,464
Impact from non-cash goodwill impairment charges						304,453			
Adjusted EBITDA						$ 276,837			

The following is a reconciliation of operating income to EBITDA for the fuels marketing segment (in thousands of dollars):

	Year Ended December 31,		
	2011	2014	2016
Operating income	$ 71,854	$ 24,805	$ 3,406
Plus depreciation and amortization expense	20,949	16	-
EBITDA	$ 92,803	$ 24,821	$ 3,406

Reconciliation of Non-GAAP Financial Information (continued)

The following are the non-GAAP reconciliations of income from continuing operations to EBITDA from continuing operations and for the calculation of EBITDA for each of our segments as a percentage of total segment EBITDA (in thousands of dollars, except percentage data):

	Year Ended December 31, 2011	Year Ended December 31, 2014	Year Ended December 31, 2016
	Consolidated	Consolidated	Consolidated
Income from continuing operations	$ 218,674	$ 214,169	$ 150,003
Interest expense, net	81,539	131,226	138,350
Income tax expense	18,555	10,801	11,973
Depreciation and amortization expense	161,773	191,708	216,736
EBITDA from continuing operations	480,541	547,904	517,062
General and administrative expenses	103,050	96,056	98,817
Other expense (income), net	3,573	(4,499)	58,783
Equity in earnings of joint ventures	(11,458)	(4,796)	-
Segment EBITDA	$ 575,706	$ 634,665	$ 674,662

	2011 Segment EBITDA	2011 Segment Percentage (a)	2014 Segment EBITDA	2014 Segment Percentage (a)	2016 Segment EBITDA	2016 Segment Percentage (a)
Pipeline segment (see previous slide for EBITDA reconciliation)	$ 197,568	34%	$ 322,924	51%	$ 337,792	50%
Storage segment (see previous slide for EBITDA reconciliation)	279,429	49%	286,952	45%	333,464	49%
Fuels marketing segment (see previous slide for EBITDA reconciliation)	92,803	16%	24,821	4%	3,406	1%
Elimination/consolidation	5,906	1%	(32)	-	-	-
Segment EBITDA	$ 575,706	100%	$ 634,665	100%	$ 674,662	100%

(a) Segment Percentage calculated as segment EBITDA for each segment divided by total segment EBITDA.

Reconciliation of Non-GAAP Financial Information (continued)

The following is a reconciliation of (loss) income from continuing operations to EBITDA from continuing operations and DCF from continuing operations (in thousands of dollars, except ratio data):

	For the Twelve Months Ended											For the Quarter Ended
	Sept. 30, 2014	Dec. 31, 2014	Mar. 31, 2015	Jun. 30, 2015	Sept. 30, 2015	Dec. 31, 2015	Mar. 31, 2016	Jun. 30, 2016	Sept. 30, 2016	Dec. 31, 2016	Mar. 31, 2017	Jun. 30, 2017
(Loss) income from continuing operations	$ (116,202)	$ 214,169	$ 298,298	$ 295,436	$ 301,335	$ 305,946	$ 236,222	$ 234,414	$ 220,539	$ 150,003	$ 150,542	$ 26,250
Interest expense, net	132,208	131,226	129,901	129,603	130,044	131,868	133,954	135,359	136,933	138,350	140,641	45,612
Income tax expense	14,983	10,801	9,071	10,310	10,281	14,712	15,195	16,361	14,208	11,973	12,028	1,630
Depreciation and amortization expense	188,570	191,708	197,935	202,764	206,466	210,210	210,895	211,781	213,426	216,736	220,458	67,601
EBITDA from continuing operations	$ 219,559	$ 547,904	$ 635,205	$ 638,113	$ 648,126	$ 662,736	$ 596,266	$ 597,915	$ 585,106	$ 517,062	$ 523,669	$ 141,093
Equity in losses (earnings) of joint ventures	11,604	(4,796)	(9,102)	(5,808)	(3,059)	-	-	-	-	-	-	-
Interest expense, net	(132,208)	(131,226)	(129,901)	(129,603)	(130,044)	(131,868)	(133,954)	(135,359)	(136,933)	(138,350)	(140,641)	(45,612)
Reliability capital expenditures	(29,862)	(28,635)	(30,674)	(29,464)	(32,439)	(40,002)	(39,221)	(44,497)	(43,770)	(38,155)	(37,160)	(10,380)
Income tax expense	(14,983)	(10,801)	(9,071)	(10,310)	(10,281)	(14,712)	(15,195)	(16,361)	(14,208)	(11,973)	(12,028)	(1,630)
Distributions from joint venture	8,048	7,587	7,721	6,993	4,208	2,500	-	-	-	-	-	-
Mark-to-market impact of hedge transactions (a)	(90)	6,125	4,991	(261)	(132)	(5,651)	152	4,474	5,372	10,317	3,047	(563)
Unit-based compensation (b)	-	-	-	-	-	-	1,086	2,208	3,499	5,619	6,621	1,618
Other items (c)	323,764	19,732	(34,471)	(36,351)	(41,628)	(44,032)	10,110	11,518	19,185	73,846	74,075	(1,095)
Preferred unit distributions	-	-	-	-	-	-	-	-	-	(1,925)	(6,738)	(9,950)
DCF from continuing operations	$ 385,832	$ 405,890	$ 434,698	$ 433,309	$ 434,751	$ 428,971	$ 419,244	$ 419,898	$ 418,251	$ 416,441	$ 410,845	$ 73,481
Less DCF from continuing operations available to general partner	51,064	51,064	51,064	51,064	51,064	51,064	51,064	51,064	51,164	51,284	51,417 (d)	13,214
DCF from continuing operations available to common limited partners	$ 334,768	$ 354,826	$ 383,634	$ 382,245	$ 383,687	$ 377,907	$ 368,180	$ 368,834	$ 367,087	$ 365,157	$ 359,428 (d)	$ 60,267
Distributions applicable to common limited partners	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,798	$ 342,598	$ 343,485 (d)	$ 101,869
Distribution coverage ratio (e)	0.98x	1.04x	1.12x	1.12x	1.12x	1.11x	1.08x	1.08x	1.07x	1.07x	1.05x (d)	0.59x

(a) DCF from continuing operations excludes the impact of unrealized mark-to-market gains and losses that arise from valuing certain derivative contracts, as well as the associated hedged inventory. The gain or loss associated with these contracts is realized in DCF from continuing operations when the contracts are settled.

(b) In connection with the employee transfer from NuStar GP, LLC on March 1, 2016, we assumed obligations related to awards issued under a long-term incentive plan, and we intend to satisfy the vestings of equity-based awards with the issuance of our units. As such, the expenses related to these awards are considered non-cash and added back to DCF. Certain awards include distribution equivalent rights (DERs). Payments made in connection with DERs are deducted from DCF.

(c) Other items mainly consist of (i) adjustments for throughput deficiency payments and construction reimbursements for all periods presented, (ii) a $58.7 million non-cash impairment charge on the Axeon term loan in the fourth quarter of 2016, (iii) a $56.3 million non-cash gain associated with the Linden terminal acquisition in the first quarter of 2015 and (iv) a non-cash goodwill impairment charge totaling $304.5 million in the fourth quarter of 2013.

(d) For the three months ended March 31, 2017, amounts adjusted to exclude distributions that were paid on the 14,375,000 common units that were issued April 18, 2017.

(e) Distribution coverage ratio is calculated by dividing DCF from continuing operations available to common limited partners by distributions applicable to common limited partners.

Reconciliation of Non-GAAP Financial Information (continued)

The following are reconciliations of projected net income to projected EBITDA (in thousands of dollars):

	Year Ended December 31, 2017	
	Current Guidance	*Previous Guidance* *
Projected net income	$ 160,000 - 190,000	$ 175,000 - 190,000
Projected interest expense, net	170,000 - 175,000	175,000 - 185,000
Projected income tax expense	10,000 - 15,000	10,000 - 15,000
Projected depreciation and amortization expense	260,000 - 270,000	260,000 - 280,000
Projected EBITDA	$ 600,000 - 650,000	$ 620,000 - 670,000

The following is a reconciliation of projected operating income to projected EBITDA for the Permian Crude System (in thousands of dollars):

	Year Ended December 31, 2017
Projected operating income	$ 5,000 - 10,000
Projected depreciation and amortization expense	25,000 - 40,000
Projected EBITDA	$ 30,000 - 50,000

The following is the non-GAAP reconciliation for the calculation of our Consolidated Debt Coverage Ratio, as defined in our $1.5 billion five-year revolving credit agreement (the Revolving Credit Agreement) (in thousands of dollars, except ratio data):

	For the Four Quarters Ended June 30, 2017
Net income	$ 124,275
Interest expense, net	152,024
Income tax expense	9,388
Depreciation and amortization expense	234,408
EBITDA	520,095
Other expense (a)	58,183
Equity awards (b)	9,827
Mark-to-market impact on hedge transactions (c)	(3,278)
Pro forma effect of acquisitions (d)	78,825
Material project adjustments (e)	10,213
Consolidated EBITDA, as defined in the Revolving Credit Agreement	$ 673,865
Total consolidated debt	$ 3,531,061
NuStar Logistics' 7.625% fixed-to-floating rate subordinated notes	(402,500)
Proceeds held in escrow associated with the Gulf Opportunity Zone Revenue Bonds	(41,476)
Consolidated Debt, as defined in the Revolving Credit Agreement	$ 3,087,085
Consolidated Debt Coverage Ratio (Consolidated Debt to Consolidated EBITDA)	4.6x

(a) This adjustment consists mainly of a $58.7 million non-cash impairment charge on the Axeon term loan in the fourth quarter of 2016.

(b) This adjustment represents the non-cash expense related to the vestings of equity-based awards with the issuance of our common units.

(c) This adjustment represents the unrealized mark-to-market gains and losses that arise from valuing certain derivative contracts, as well as the associated hedged inventory. The gain or loss associated with these contracts is realized in net income when the contracts are settled.

(d) This adjustment represents the pro forma effects of the Martin Terminal Acquisition and the Navigator Acquisition as if we had completed the acquisitions on January 1, 2016.

(e) This adjustment represents the percentage of the projected Consolidated EBITDA attributable to any Material Project, as defined in the Revolving Credit Agreement, based on the current completion percentage.

* Guidance presented at the 2017 MLP Investor Conference.