Wells Fargo

Securities - 2016
Energy Symposium

December 6, 2016

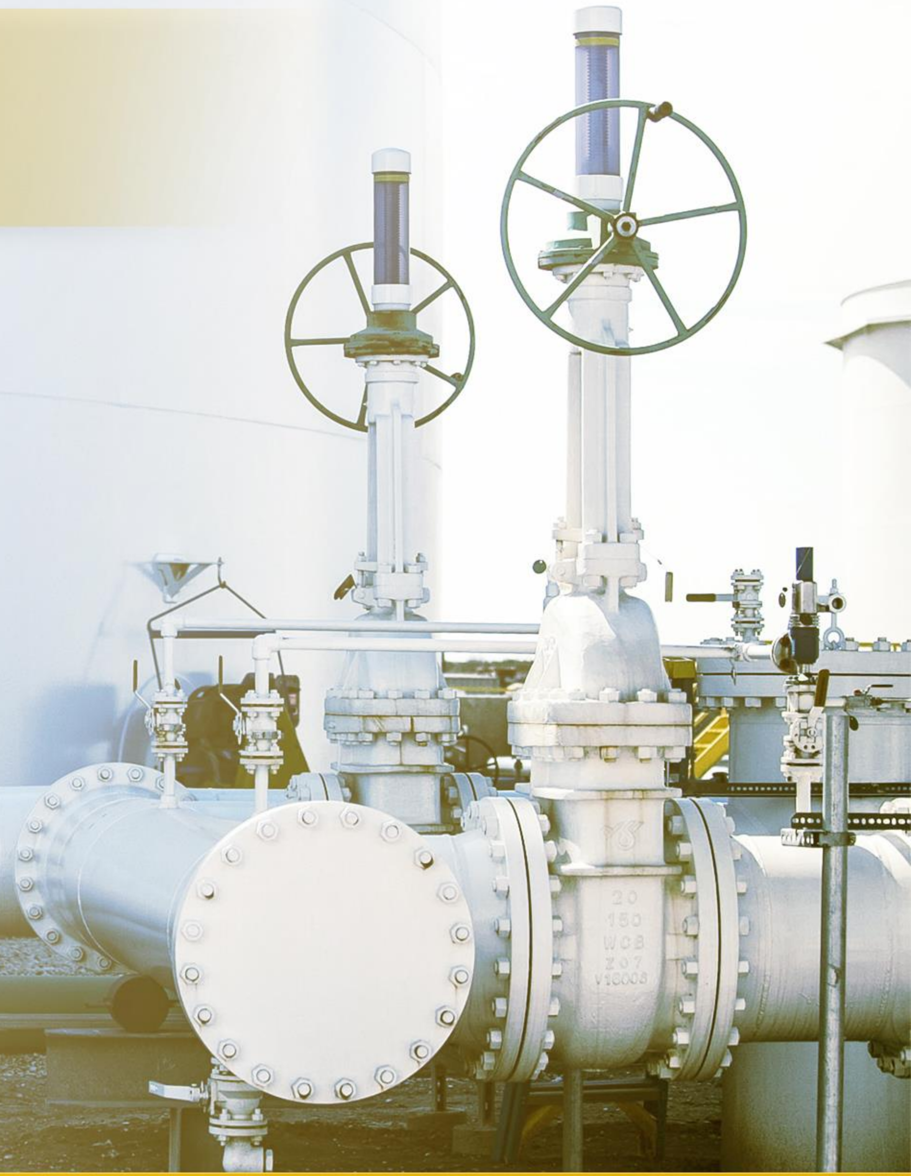
Forward-Looking Statements

Statements contained in this presentation that state management's expectations or predictions of the future 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 almost always vary, sometimes materially, from any estimates, predictions, projections, assumptions or other future performance 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

Public Unitholders
33.9 million NSH Units
79.0% Membership Interest

William E. Greehey
9.0 million NSH Units
21.0% Membership Interest

NuStar GP Holdings, LLC

NYSE: NSH

G.P. Interest in NS

~13% Common L.P. Interest in NS

Incentive Distribution Rights in NS (IDR)

~13% NS Distribution Take

IPO Date: 7/19/2006

Unit Price (12/2/16):	**$26.55**
Annualized Distribution/Unit:	**$2.18**
Yield (12/2/16):	**8.2%**
Market Capitalization:	**$1.1 billion**
Enterprise Value:	**$1.2 billion**

NuStar Energy L.P.

NYSE: NS

Public Unitholders
68 million Common
8 million Preferred

IPO Date: 4/16/2001

Common Unit Price (12/2/16):	**$48.02**
Annualized Distribution/Common Unit:	**$4.38**
Yield (12/2/16):	**9.1%**
Market Capitalization:	**$3.8 billion**
Enterprise Value:	**$6.9 billion**

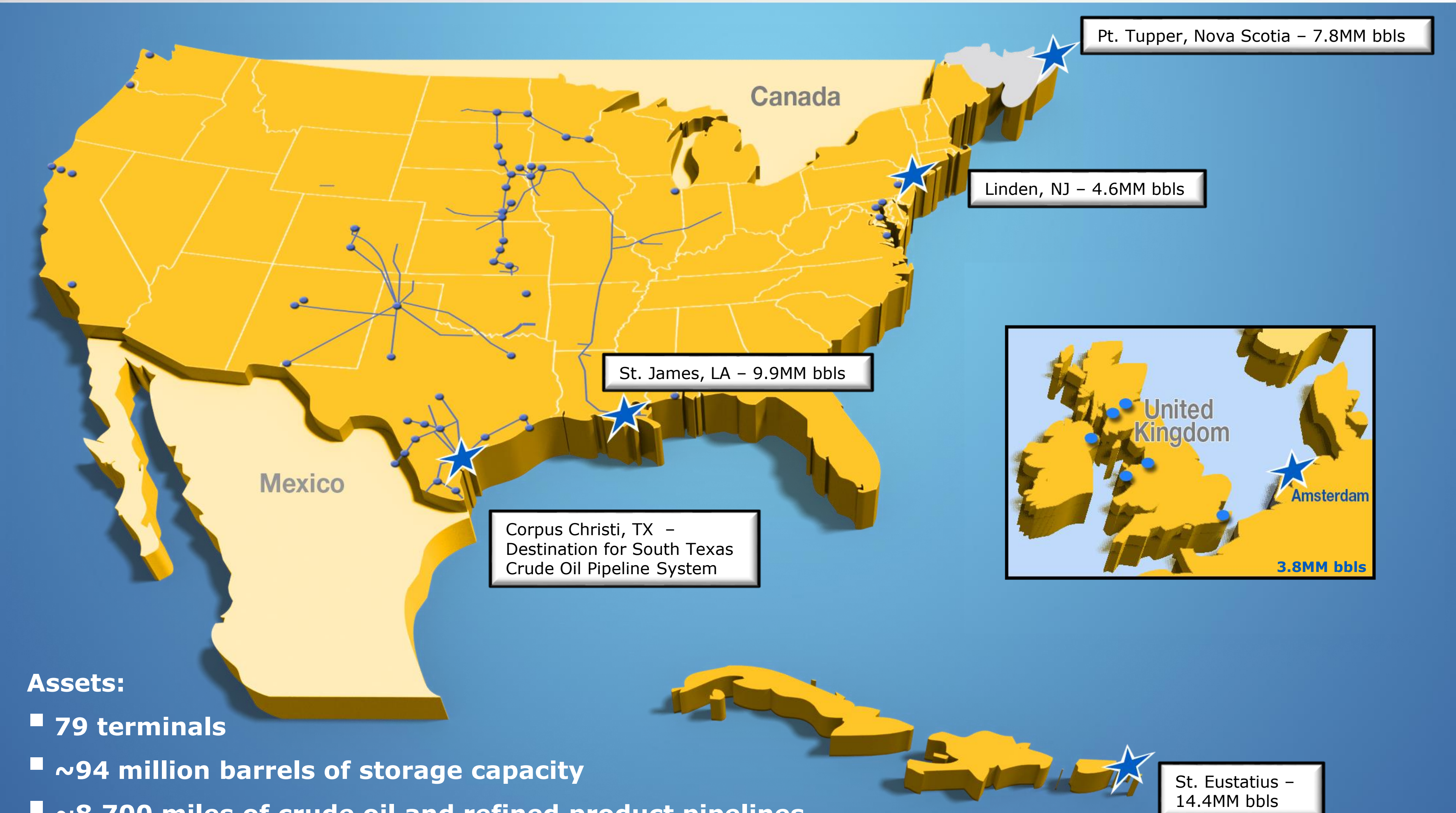
Credit Ratings

Moody's: Ba1/Stable

S&P: BB+/Stable

Fitch: BB/Stable

Large and Diverse Geographic Footprint with Assets in Key Locations

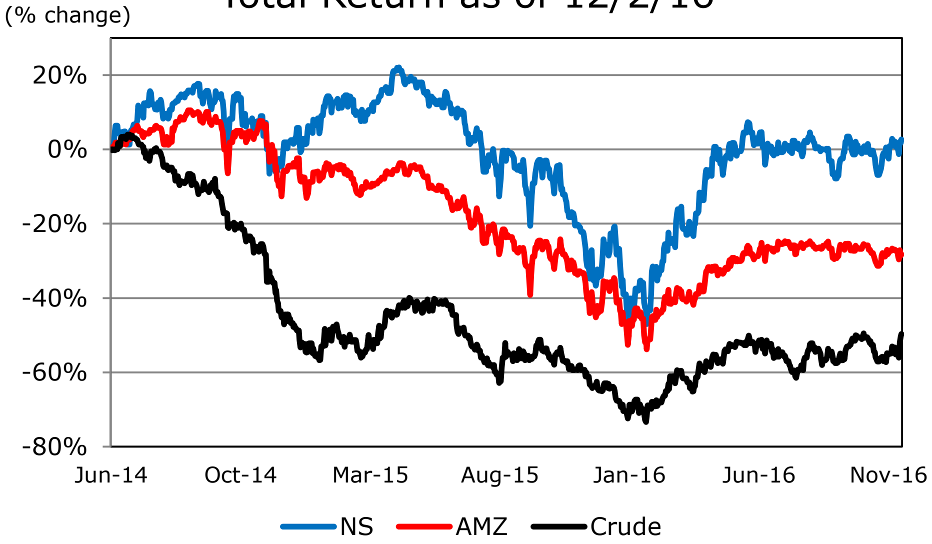


Assets:

- **79 terminals**
- **~94 million barrels of storage capacity**
- **~8,700 miles of crude oil and refined product pipelines**

NuStar Has Outperformed the Alerian Since the Beginning of the Crude Downturn…

Total Return as of 12/2/16



… and in 2016 (through 12/2/16)

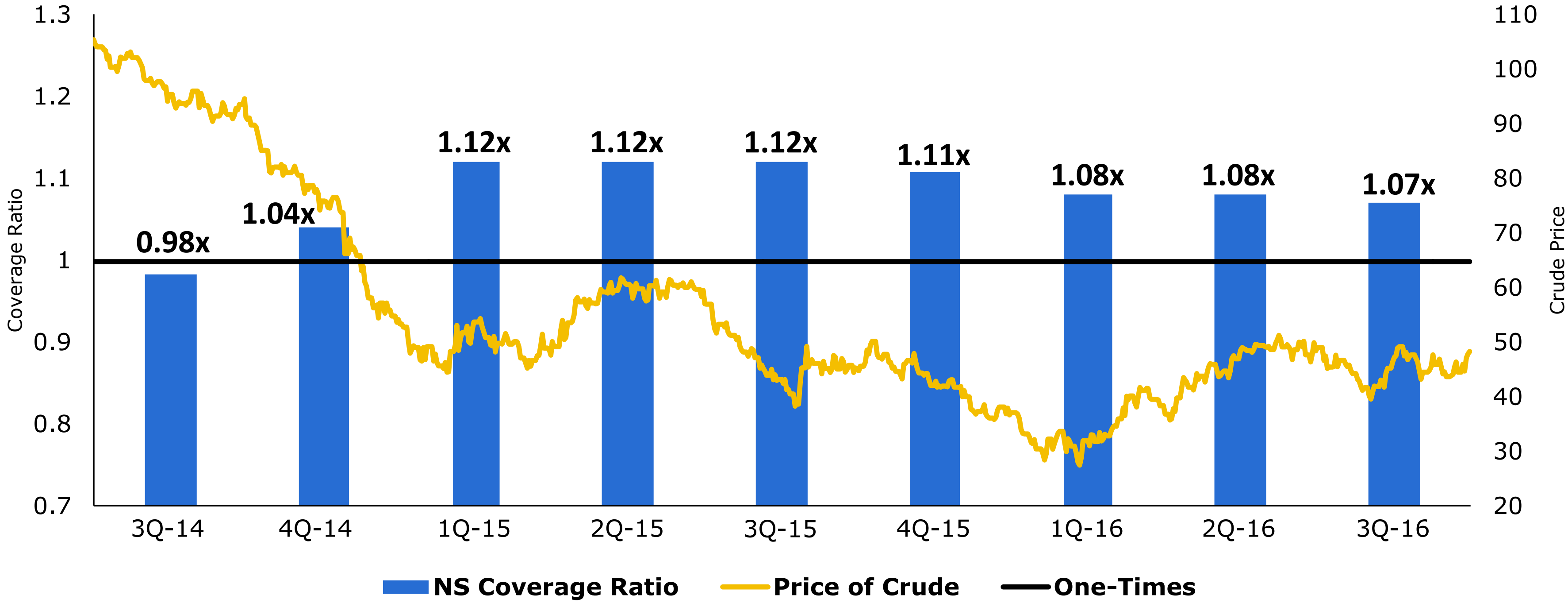
	YTD Returns
NuStar Energy L.P.	32.6%
NuStar GP Holdings, LLC	38.9%
Alerian MLP Index	11.7%
S&P 500	9.5%

Our 2016 Accomplishments in the Face of Challenges

- We have succeeded this year by leveraging our strengths
  - Diverse assets: type (pipelines and terminals), market (refined products and crude) and geography
  - Disciplined financial management
  - Operational excellence
  - Efficient project management
- In 2016, we:
  - Expect to deploy $253 to $273 million of strategic capital
  - Re-contracted 9.5MMBbls in St. Eustatius at higher rates
  - Reactivated 2.5MMBbls of products storage in Piney Point
  - Implemented new At-the-Market (ATM) unit issuance program
  - Issued $200 million of 8.50% Series A fixed-to-floating rate cumulative redeemable perpetual preferred units
  - Signed an asset purchase agreement to purchase terminals with 1.2MMBbls of storage and associated dock assets
  - Continued to be ranked as one of the best places to work by Fortune magazine
- Our continued strong distribution coverage and solid earnings, even in the face of an industry downturn of historic proportions, demonstrates the resiliency and strength of our business model and our strategic direction

Resilient and Strong Core Operations, No Matter the Price of a Barrel of Crude

Coverage Ratio[1] (Trailing Twelve Months) vs Price of Crude
(July 2014 – September 2016)



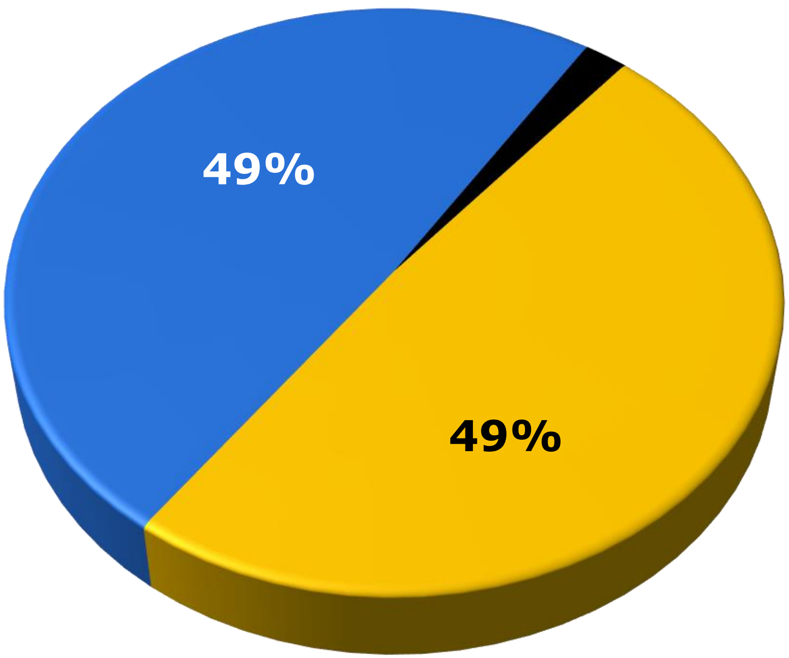
- Although valuations of some MLPs have de-coupled from crude prices – we still believe that our valuation does not yet reflect our solid financial results, stable cash flow and overall stability and strength of our business
- Total unitholder return since recent low on January 20, 2016 +101%[2], however still down -16%[2] from last year's high on April 30, 2015.

1 – Please see slides 32-34 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measure

2 – Total unitholder returns as of December 2, 2016.

Majority of Segment EBITDA Generated by Fee-Based Pipeline and Storage Segments

Percentage of Expected
2016 Annual Segment EBITDA



- Pipeline: 49%
  - Refined Product Pipelines
  - Crude Oil Pipelines
  - Ammonia Pipeline
- Storage: 49%
  - Refined Product Terminals
  - Crude Oil Storage
- Fuels Marketing: 2%
  - Refined Products Marketing, Bunkering and Crude & Fuel Oil Trading

- Pipeline and Storage segments expected to account for about 98% of 2016 annual segment EBITDA

Guidance Summary

	2016 Annual Guidance (3Q Earnings Call[1])	4th Quarter 2016 Guidance (3Q Earnings Call[1])	2017 Annual Guidance (3Q Earnings Call[1])
Pipeline Segment EBITDA[2]	$325 - $345 million	Lower than 4Q 2015	
Storage Segment EBITDA[2]	$330 - $350 million	Lower than 4Q 2015	
Fuels Marketing Segment EBITDA[2]	$5 - $10 million	Slightly higher than 4Q15	
Annual EBITDA[2]			$600 - $650 million
General and Administrative Expenses			$100 - $110 million
Reliability Capital Spending	$35 - $45 million		$35 - $55 million
Strategic Capital Spending	$160 - $180 million internal growth plus net $93 million for Martin Acquisition		$530 - $550 million
Earnings Per Unit		$0.50 - $0.60 per unit	

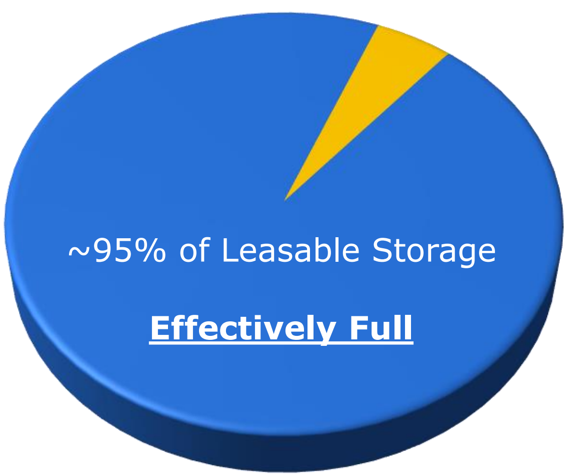
1 - Third quarter 2016 earnings call was held on November 2, 2016 (related materials and non-GAAP information are available on our website at nustarenergy.com)

2 - Please see slides 32-34 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures

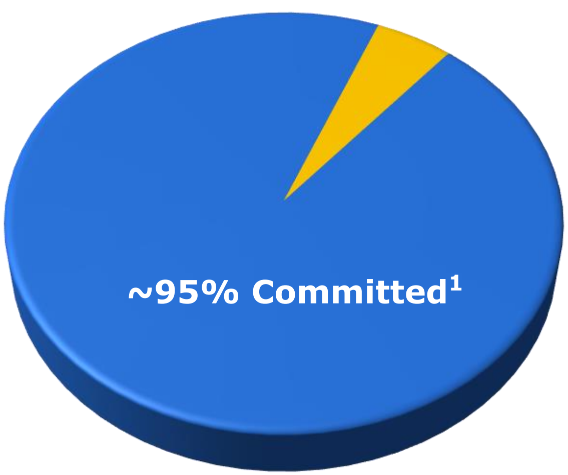
Building on Our Strengths - Stable, Diversified Business Foundation for Future Growth

- Contracted fee-based storage and pipeline assets provide stable cash flows
  - Storage terminals effectively full
  - ~75% of pipeline revenues are demand-pull - based on refinery/fertilizer plant feedstock supply or refinery production delivery
  - ~25% of pipeline revenues are Eagle Ford volumes to area refineries or Corpus Christi, TX docks
- ~95% of tariffs are FERC-based, which are adjusted annually for inflation
- Diverse and high-quality customer base composed of large integrated oil companies, national oil companies and refiners

Storage Lease Utilization

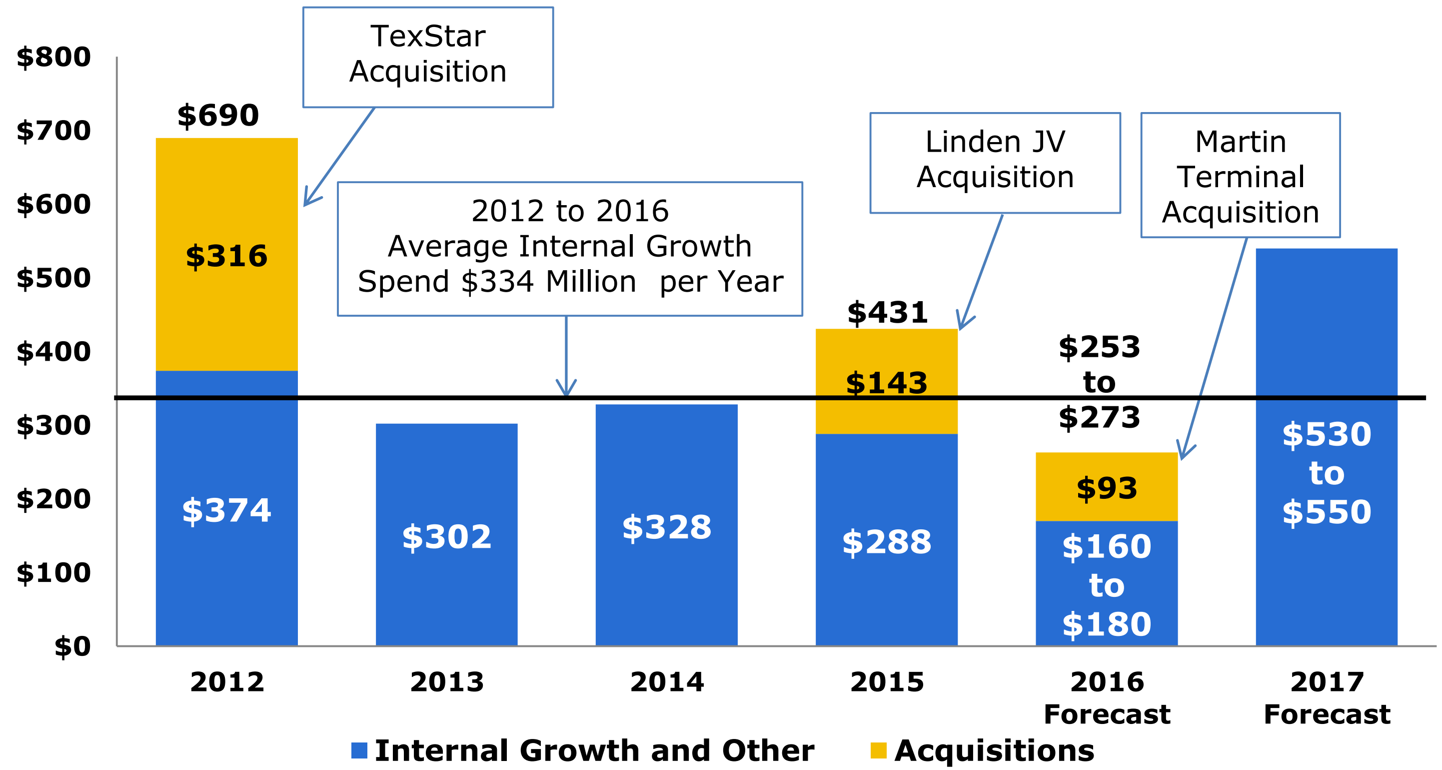


Pipeline Revenue – Contract[1] %



1 – ~95% committed through take or pay contracts or through structural exclusivity (uncommitted lines serving refinery customers with no competition)

On Track for $253 to $273 Million of Strategic Spending in 2016 and Expect $530 to $550 Million of Strategic Spending in 2017 (Dollars in Millions)



- 2016 Total Capital Spending, which includes Reliability Capital, is expected to be in the range of $288 to $318 million
- 2017 Total Capital Spending, which includes Reliability Capital, is expected to be in the range of $565 to $605 million

Pursuing Pipeline and Storage Opportunities

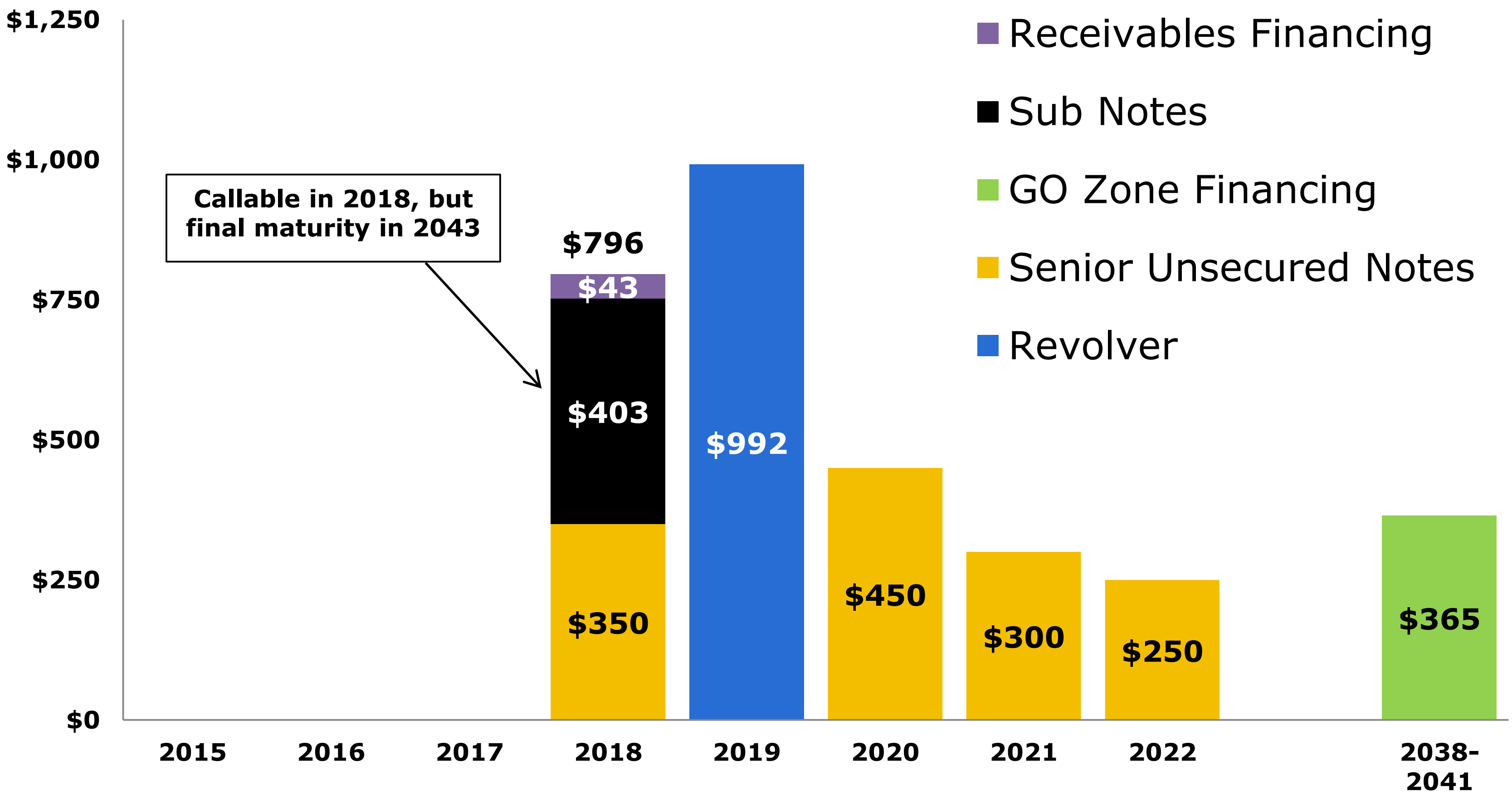
Strategic Growth <u>Opportunities:</u>

- $1.0 to $1.5 billion[1]
- Focused on developing synergistic, high-return projects

1 – capital spending time horizon is next one to three years.

No Debt Maturities until 2018

(LTD Maturity Profile as of September 30, 2016, Dollars in Millions)



- Long-term Debt structure 55% fixed rate – 45% variable rate

NuStar Energy Recently Issued $200 Million of Perpetual Preferred Equity

- On November 25, 2016, NuStar Energy issued 8 million 8.50% Series A Fixed-to-Floating Rate Cumulative Redeemable Perpetual Preferred Units at a price of $25 per unit
  - Net proceeds of approximately $193 million were received after paying offering related expenses
  - Underwriters have been granted a 30-day option to purchase up to an additional 1.2 million units

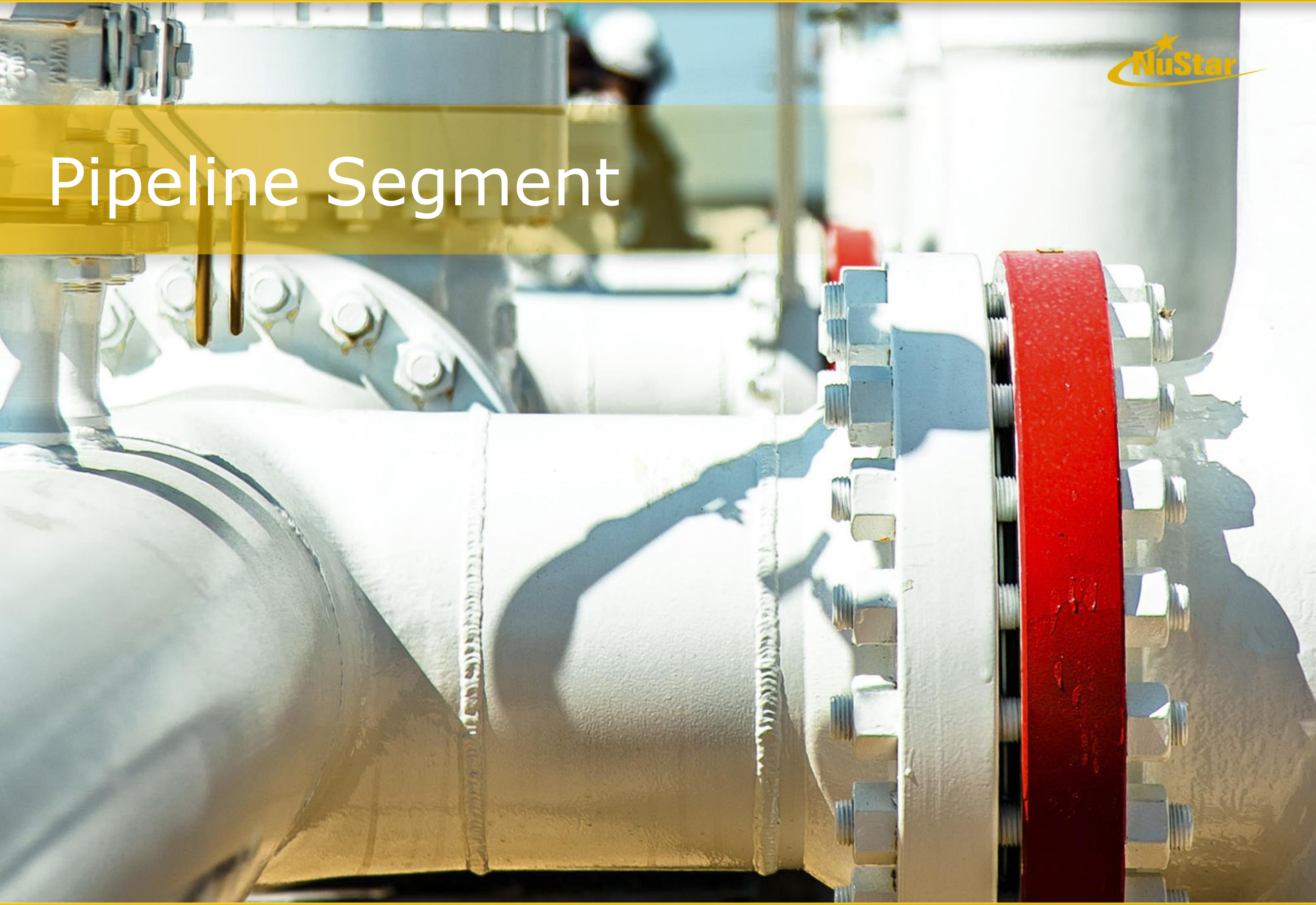
- Units are callable at $25 par value on or after December 15, 2021

- During non-call period the coupon on units is fixed at 8.50%
  - On December 15, 2021 the coupon converts to a floating rate of three-month LIBOR plus 6.77%

- Issuance recorded as equity on NuStar's balance sheet
  - Receives 100% equity credit from Moody's and 50% equity credit from S&P and Fitch

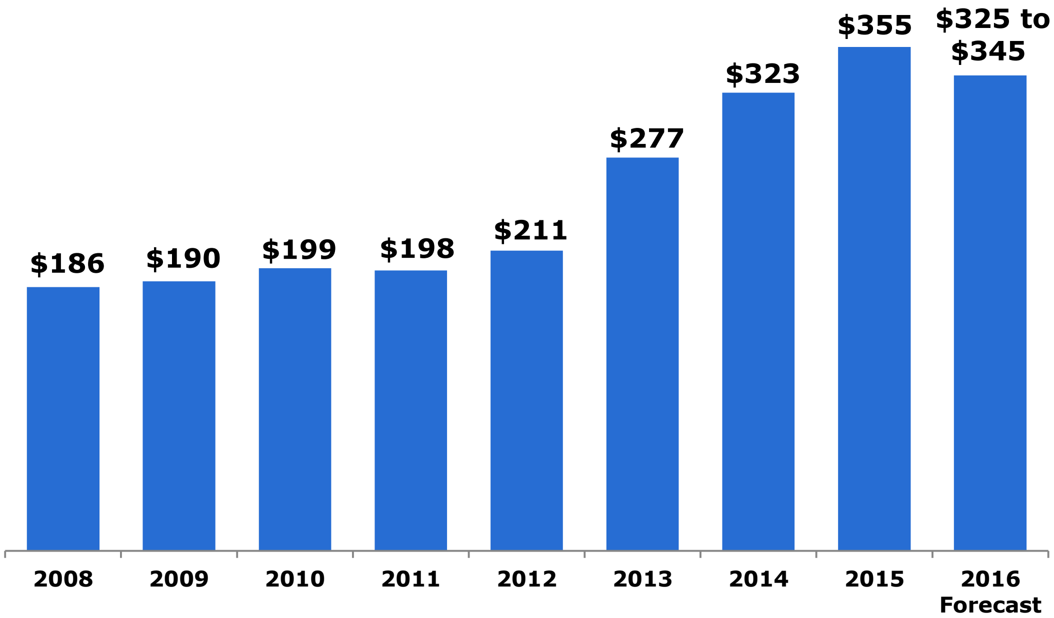
- Coupon/cost associated with preferred equity is significantly lower than the cost of issuing NuStar common equity in today's market
  - All-in cost associated with NuStar common equity on November 17, 2016 was around 12%
  - Annual savings of approximately $7 million realized by issuing preferred versus common equity

Pipeline Segment

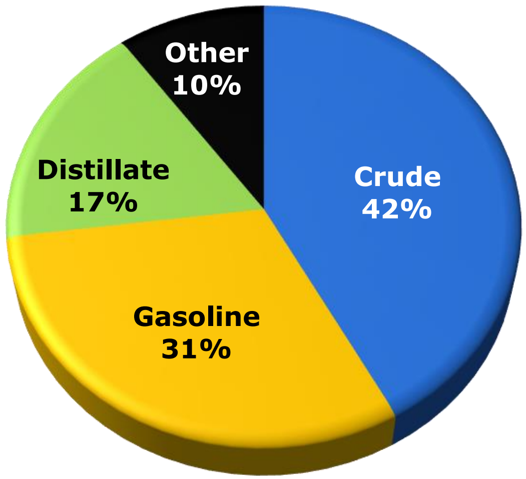


Pipeline Segment Overview

Pipeline Segment EBITDA[1] ($ in millions)



Pipeline Receipts by Commodity TTM as of 9/30/16

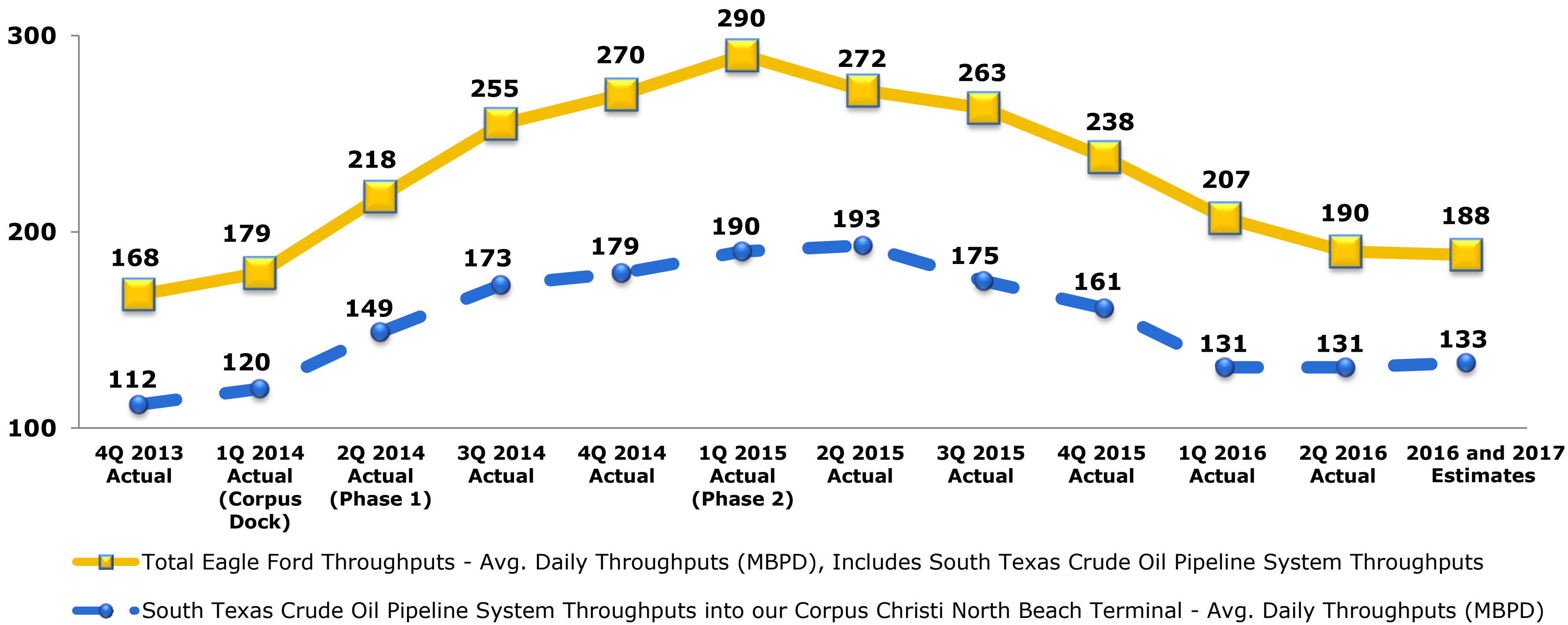


*Other includes ammonia, jet fuel, propane, naphtha and light-end refined products

- 2016 segment EBITDA should be lower than 2015 as we expect increased volumes on our refined product pipelines to be offset by lower projected Eagle Ford crude volumes.

1 – Please see slides 32-34 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures

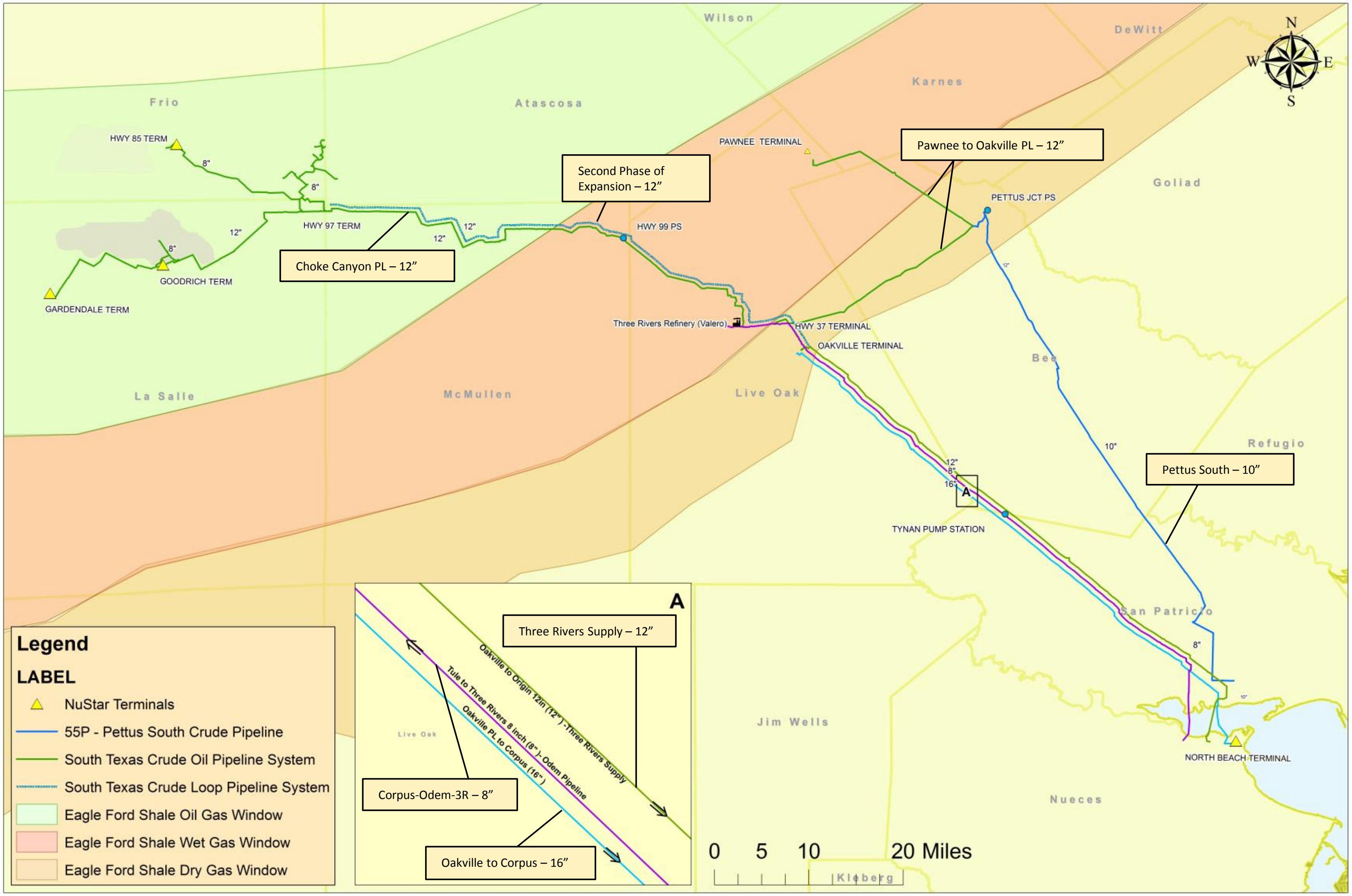
Throughputs in NuStar's South Texas Crude Oil Pipeline System



South Texas Crude Oil Pipeline System:

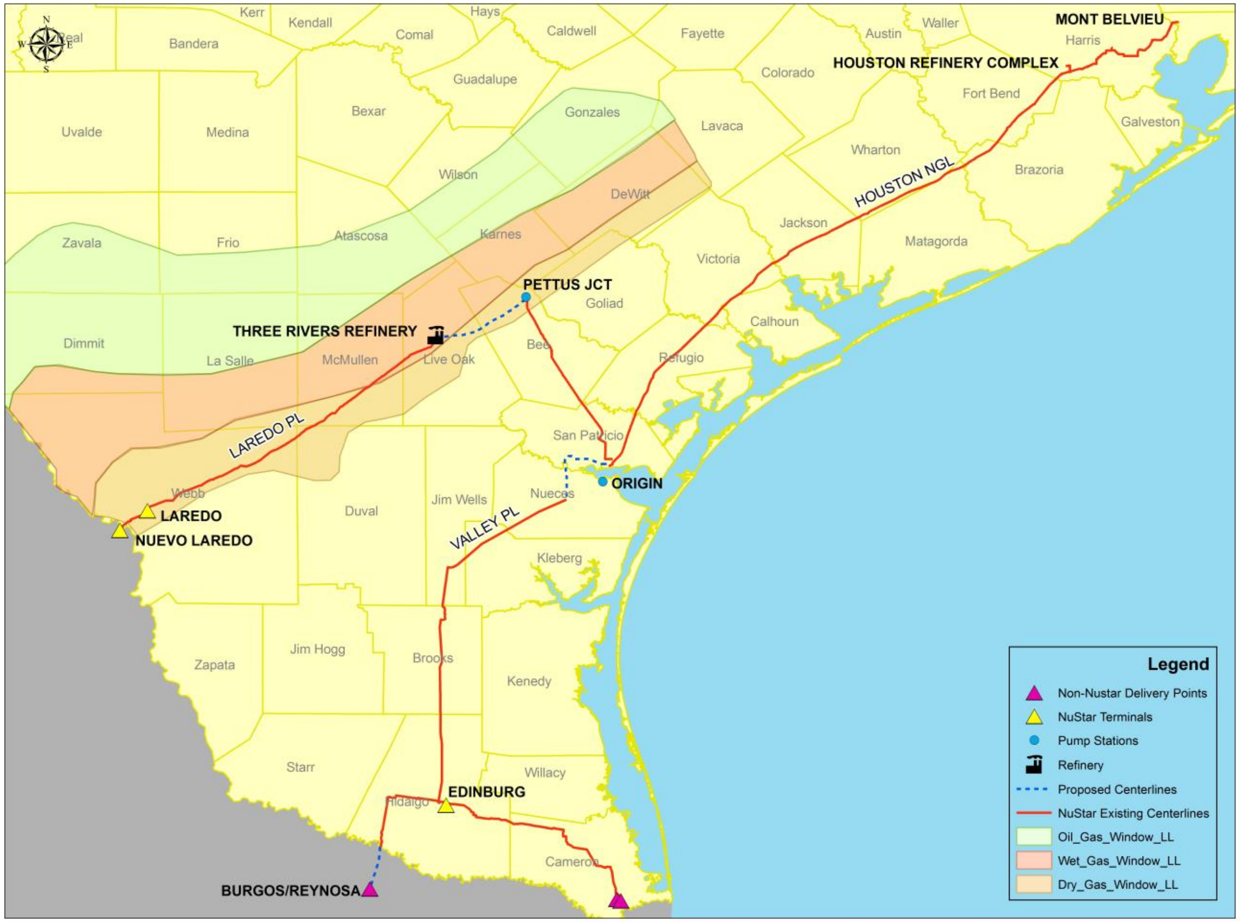
- 2016 and 2017 guidance at contractual minimums (133.5 Mbpd), upside potential with a crude oil price recovery
    - For 2016, we expect to receive revenues in excess of actual shipped throughput volumes
- Throughput and deficiency agreements with strong, credit-worthy, investment grade customers
- Earliest renewal in 3Q 2018 (2-7 years remaining on all contracts)

NuStar's South Texas Pipeline Presence



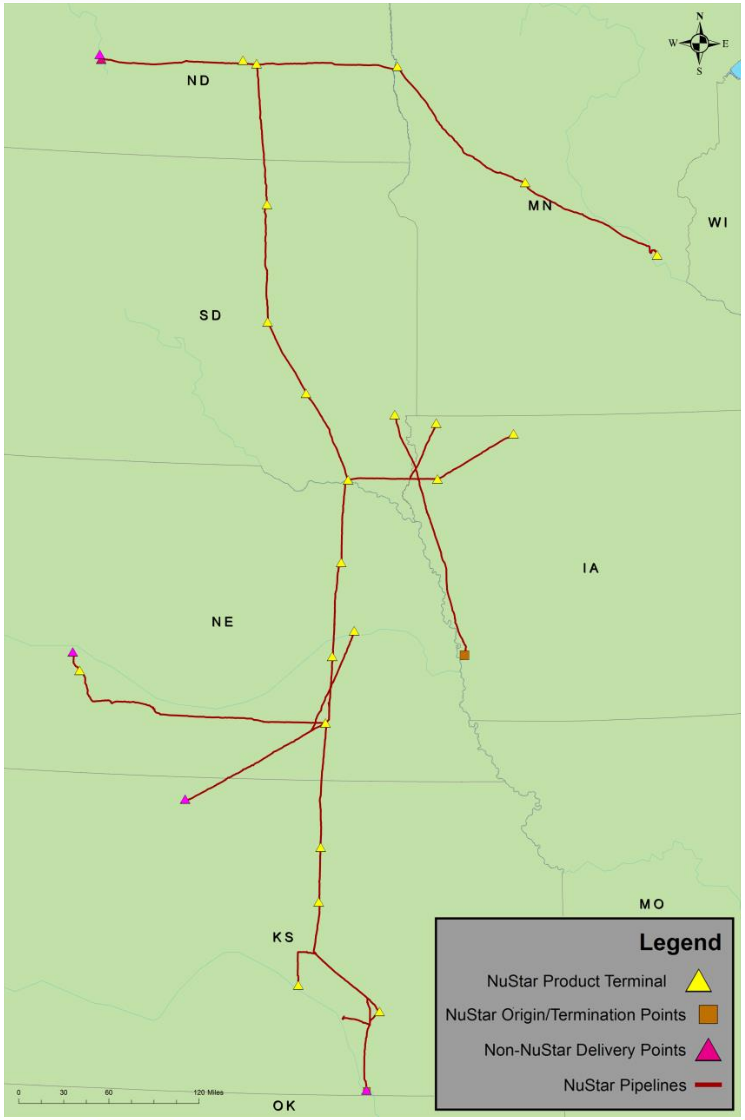
Working with Pemex to Develop Project to Transport LPGs and Refined Products from the U.S. Into Northern Mexico

- Delays due to organizational changes within Pemex
- Originally planned $125 million spend in 2016. Due to project delay, spending to take place in 2017 and 2018



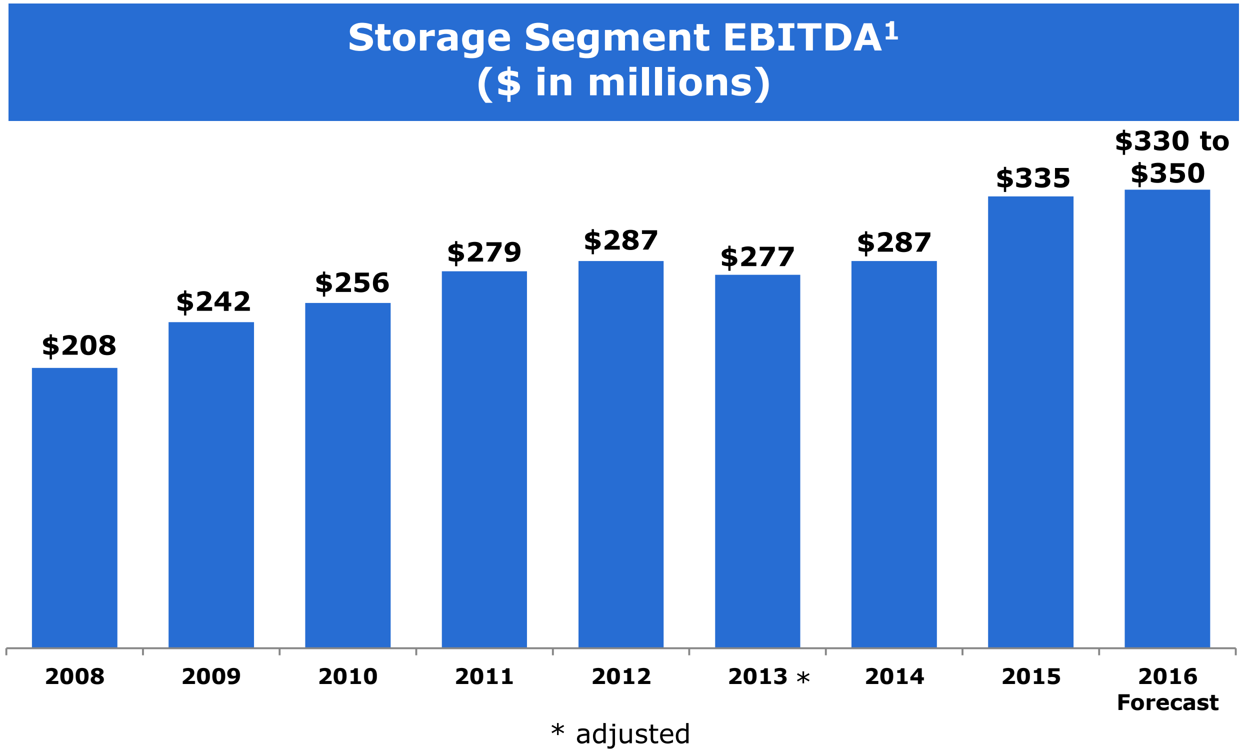
NuStar Expanding Mid-Continent Pipeline and Terminal Network

- Several projects have been completed or are under development with a key customer to increase distillate and propane supply throughout the Upper Midwest for an investment of approximately $80 million
- Capital investments to be backed by long-term agreements
- Propane supply projects complete and in service
- Construction on remaining projects should be completed by the fourth quarter of 2017



Storage Segment

Storage Segment Overview



- 2016 segment EBITDA expected to benefit from higher renewal rates and increased utilization, which may be partially offset by lower expected Eagle Ford throughput volumes into our Corpus Christi North Beach Terminal as a result of decreased Eagle Ford shale production
- 2017 storage results expected to benefit from higher renewal rates recently negotiated at some of our terminals and the upcoming Martin terminal acquisition

1 – Please see slides 32-34 for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures

Building Our Strategic Alliances in Europe For Future Growth

- **As the European market changes, we continue to expand on strategic alliances with our current customers to drive growth through:**
  - **Working on a long-term agreement with customer at Grays to provide terminaling for all of their Southeast England throughput**
    - The agreement will require facility upgrades including enhanced jetty capabilities, a vapor recovery unit and pipeline upgrades
  - **Developing alliance with a customer for larger throughput position at Eastham and Grays**
    - Discussions continue to increase customer's fuel business in Grays
  - **Exploring opportunities to take advantage of a customer's recent refinery acquisition in Southern Ireland, which will increase the supply of gasoline necessary to blend and distribute out of Amsterdam**
    - We are working with a customer to manage their gasoline blending program and throughputs
    - We should be able to solidify our customer's position in our terminal and allow us to use for a growth platform

We Are Exploring Expansion in the New York Harbor

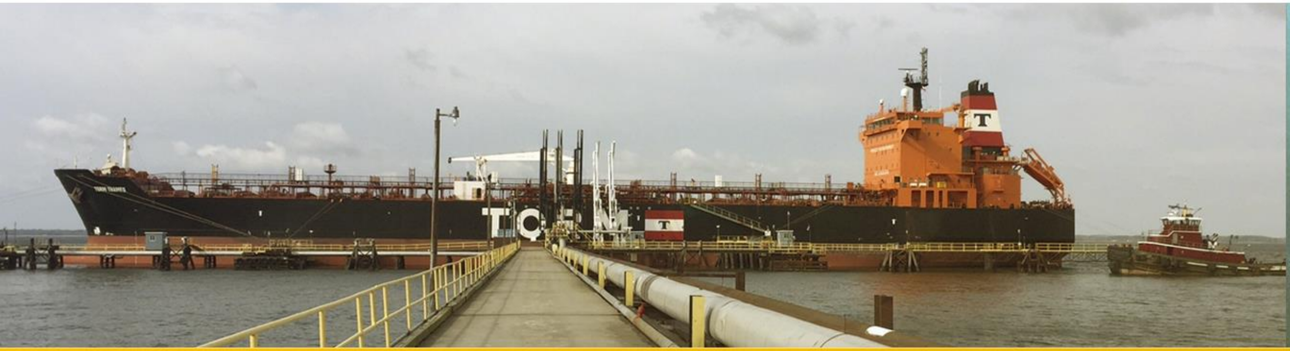
- Acquiring control of the Linden Terminal in 2015 has freed us to develop opportunities that will increase our capability to serve the New York Harbor (NYH), which is one of the largest trading hubs of refined product in the world
- NYH storage demand continues to be strong and our terminal has been 100% utilized for over 12 years with the exception of periods for inspections and maintenance
- We continue to receive inquires for storage, but due to an approximately 18-month permitting and construction process, it is difficult to secure customer commitments so far in advance
- Currently, we plan to construct 500MBbls of new storage at a cost of about $50 million (included in 2017 spending guidance provided)

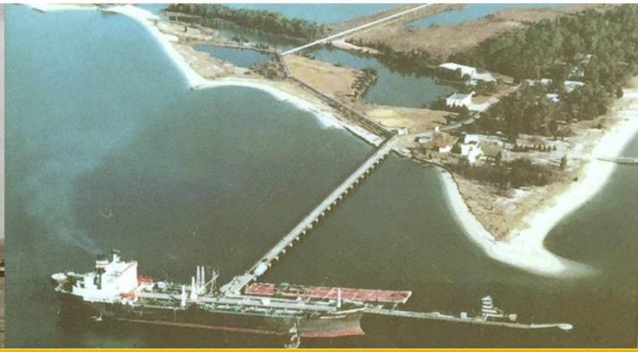


Piney Point Terminal Back in Service

- Piney Point Terminal
  - 5.4 million-barrel storage facility located in Piney Point, Maryland, along the Potomac River
  - Primary storage capabilities include gasoline, distillates and other clean products
  - Reactivated due to favorable market economics

- Signed up storage commitments for 2.5 million barrels
  - Contract allows customer to take advantage of the contango market structure
  - First delivery of 189,000 barrels of ULSD arrived on April 21, 2016
  - 2.5 million barrels (above) includes additional 650,000 barrels effective January 2017





Majority of St. Eustatius Terminal Tankage Recently Leased through 1st Quarter of 2020

- St. Eustatius Terminal
  - 14.4 million-barrel storage facility located on the island of St. Eustatius in the Caribbean
  - Primary storage capabilities include crude oil and fuel oil (as well as other refined products)
  - Can accommodate ULCCs (ultra large crude carriers)

- Recently re-contracted 9.5 million barrels of storage
  - Contract renewal (and additional leased barrels) effective in first quarter 2017, with a three-year lease term
  - Favorable renewal rates achieved due to current market conditions
  - Expect to spend approximately $100 million on facility enhancements; strategic capital spending to take place in 2016 and 2017

We Are Adapting to Market Flows: Renewables Opportunities on the West Coast

- The West Coast: In a mature fuel supply market, biofuels provide opportunities for growth
  - Low carbon initiatives on the West Coast (e.g. California's Low Carbon Fuel Standard) promote the use of biofuels
    - We currently offer ethanol storage and blending at Selby, Stockton, Portland and Tacoma
      - We are pursuing projects to expand ethanol export capabilities at Stockton and add ethanol blending in Vancouver
    - Projects in development to add or expand biodiesel and/or renewable diesel at Stockton, Selby, Portland and Tacoma

Recently Announced Corpus Christi Terminal Acquisition from Martin Midstream

- Martin Midstream terminal assets
  - 1.15 million barrels of storage (900,000 barrels of crude and 250,000 barrels of refined product storage), located in Corpus Christi, Texas
  - Terminals have direct connectivity to Eagle Ford production through connection to the Harvest Pipeline, a six-bay truck rack and access to two deep-water crude oil docks
  - Terminals located on 25 acres with expansion opportunities

- Synergies and Economics
  - Terminals and docks located adjacent to our existing Corpus Christi North Beach Terminal
  - Minimum volume contract in place through November 2017
    - Expect a positive renewal outcome with existing customer, which is a current NuStar customer in Corpus Christi
  - Construction on Martin's new state-of-the-art dock (which will be adjacent to our own existing docks upon completion) is expected to be completed early in the second half of 2017
    - Allows us to forego building our own dock at a major cost savings
    - New dock will provide capability for larger vessels and increased volumes
  - Scheduling synergies with our existing docks
  - We have agreed to pay $93 million, net for these assets, generating a seven-times EBITDA multiple based on an annual average EBITDA[1] estimate of ~$13.5 million
  - Expect to close on this acquisition by the end of 2016

1 – Please see slides 32-34 for explanation of non-GAAP financial measures

Appendix

Capital Structure after Perpetual Preferred Equity Issuance ($ in Millions)

As of September 30, 2016 (Unaudited)	Actual	As Adjusted
$1.5 billion Credit Facility	$992	$799
NuStar Logistics Notes (4.75%)	250	250
NuStar Logistics Notes (4.80%)	450	450
NuStar Logistics Notes (6.75%)	300	300
NuStar Logistics Notes (7.65%)	350	350
NuStar Logistics Sub Notes (7.625%)	403	403
GO Zone Bonds	365	365
Receivables Financing	43	43
Short-term Debt	7	7
Total Debt	$3,160	$2,967
Total Partners' Equity	1,470	1,663
Total Capitalization	$4,630	$4,630

- Availability under $1.5 billion Credit Facility (as of September 30, 2016): ~$492 million
  - $992 million in borrowings and $16 million in Letters of Credit outstanding
  - Debt to EBITDA[1] calculation per Credit Facility of 4.6x (as of September 30, 2016)
- Net proceeds of $193 million from the perpetual preferred equity issuance were used to reduce the $1.5 billion Credit Facility balance in the "As Adjusted" column

1 – Please see slides 32-34 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 and (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.

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 the metric for determining the company-wide bonus and the vesting of performance units awarded to management as our board of directors believes DCF appropriately aligns management's interest with our unitholders' interest in increasing distributions in a prudent manner. 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 reconciliations exclude any allocation of general and administrative expenses consistent with our policy for determining segmental operating income, the most directly comparable GAAP measure.

This presentation includes forecasted EBITDA for assets we expect to acquire from Martin Midstream Partners L.P. This is a non-GAAP financial measure. Forecasted EBITDA is based on the partnership's projections for the assets to be acquired. Forecasted EBITDA is included to help facilitate comparisons of operating performance of the partnership with other companies in our industry, as well as help facilitate an assessment of our assets' projected ability to generate sufficient cash flow to make distributions to our partners. We are unable to present a reconciliation of forecasted EBITDA to net income because certain elements of net income, including interest, depreciation and taxes, are not available. Together, these items generally result in EBITDA being significantly greater than net income.

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
Operating income	$ 135,086	$ 139,869	$ 148,571	$ 146,403	$ 158,590	$ 208,293	$ 245,233	$ 270,349
Plus depreciation and amortization expense	50,749	50,528	50,617	51,165	52,878	68,871	77,691	84,951
EBITDA	$ 185,835	$ 190,397	$ 199,188	$ 197,568	$ 211,468	$ 277,164	$ 322,924	$ 355,300

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
Operating income (loss)	$ 141,079	$ 171,245	$ 178,947	$ 196,508	$ 198,842	$ (127,484)	$ 183,104	$ 217,818
Plus depreciation and amortization expense	66,706	70,888	77,071	82,921	88,217	99,868	103,848	116,768
EBITDA	$ 207,785	$ 242,133	$ 256,018	$ 279,429	$ 287,059	$ (27,616)	$ 286,952	$ 334,586
Impact from non-cash goodwill impairment charges						304,453		
Adjusted EBITDA						$ 276,837		

Reconciliation of Non-GAAP Financial Information (continued)

The following is a reconciliation of projected operating income to projected EBITDA for the year ended December 31, 2016 (in thousands of dollars):

	Pipeline Segment	Storage Segment	Fuels Marketing Segment
Projected operating income	$ 240,000 - 255,000	$ 215,000 - 230,000	$ 5,000 - 10,000
Plus projected depreciation and amortization expense	85,000 - 90,000	115,000 - 120,000	-
Projected EBITDA	$ 325,000 - 345,000	$ 330,000 - 350,000	$ 5,000 - 10,000

The following is a reconciliation of projected net income to projected EBITDA (in thousands of dollars):

	Year Ended December 31, 2017
Projected net income	$ 200,000 - 230,000
Projected interest expense, net	160,000 - 165,000
Projected income tax expense	10,000 - 15,000
Projected depreciation and amortization expense	230,000 - 240,000
Projected EBITDA	$ 600,000 - 650,000

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 September 30, 2016
Net income	$ 220,539
Interest expense, net	136,933
Income tax expense	14,208
Depreciation and amortization expense	213,426
EBITDA	585,106
Other expense	80
Mark-to-market impact on hedge transactions (a)	5,372
Material project adjustments (b)	5,890
Consolidated EBITDA, as defined in the Revolving Credit Agreement	$ 596,448
Total consolidated debt	$ 3,160,386
NuStar Logistics' 7.625% fixed-to-floating rate subordinated notes	(402,500)
Proceeds held in escrow associated with the Gulf Opportunity Zone Revenue Bonds	(41,922)
Consolidated Debt, as defined in the Revolving Credit Agreement	$ 2,715,964
Consolidated Debt Coverage Ratio (Consolidated Debt to Consolidated EBITDA)	4.6x

(a) 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.

(b) 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.

Reconciliation of Non-GAAP Financial Information (continued)

The following is a reconciliation of 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								
	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
Income from continuing operations	$ (116,202)	$ 214,169	$ 298,298	$ 295,436	$ 301,335	$ 305,946	$ 236,222	$ 234,414	$ 220,539
Interest expense, net	132,208	131,226	129,901	129,603	130,044	131,868	133,954	135,359	136,933
Income tax expense	14,983	10,801	9,071	10,310	10,281	14,712	15,195	16,361	14,208
Depreciation and amortization expense	188,570	191,708	197,935	202,764	206,466	210,210	210,895	211,781	213,426
EBITDA from continuing operations	$ 219,559	$ 547,904	$ 635,205	$ 638,113	$ 648,126	$ 662,736	$ 596,266	$ 597,915	$ 585,106
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)
Reliability capital expenditures	(29,862)	(28,635)	(30,674)	(29,464)	(32,439)	(40,002)	(39,221)	(44,497)	(43,770)
Income tax expense	(14,983)	(10,801)	(9,071)	(10,310)	(10,281)	(14,712)	(15,195)	(16,361)	(14,208)
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
Unit-based compensation (b)	-	-	-	-	-	-	1,086	2,208	3,499
Other items (c)	323,764	19,732	(34,471)	(36,351)	(41,628)	(44,032)	10,110	11,518	19,185
DCF from continuing operations	$ 385,832	$ 405,890	$ 434,698	$ 433,309	$ 434,751	$ 428,971	$ 419,244	$ 419,898	$ 418,251
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
DCF from continuing operations available to limited partners	$ 334,768	$ 354,826	$ 383,634	$ 382,245	$ 383,687	$ 377,907	$ 368,180	$ 368,834	$ 367,087
Distributions applicable to limited partners	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,140	$ 341,798
Distribution coverage ratio (d)	0.98x	1.04x	1.12x	1.12x	1.12x	1.11x	1.08x	1.08x	1.07x

(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-classified 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 $56.3 million non-cash gain associated with the Linden terminal acquisition on January 2, 2015 included in other income in our statements of income and (iii) a non-cash goodwill impairment charge totaling $304.5 million in the fourth quarter of 2013.

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