UBS MLP One-on-One Conference

January 13 & 14, 2015

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.

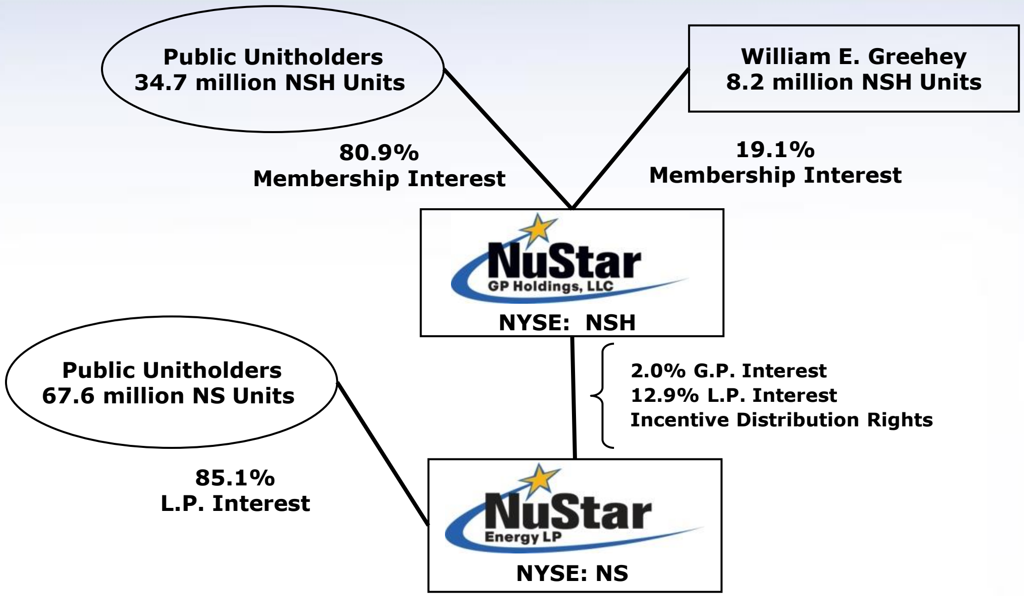
We use financial measures in this presentation that are not calculated in accordance with generally accepted accounting principles ("non-GAAP") and our reconciliations of non-GAAP financial measures to GAAP financial measures are located in the appendix to this presentation. These non-GAAP financial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

NuStar Overview

Two Publicly Traded Companies

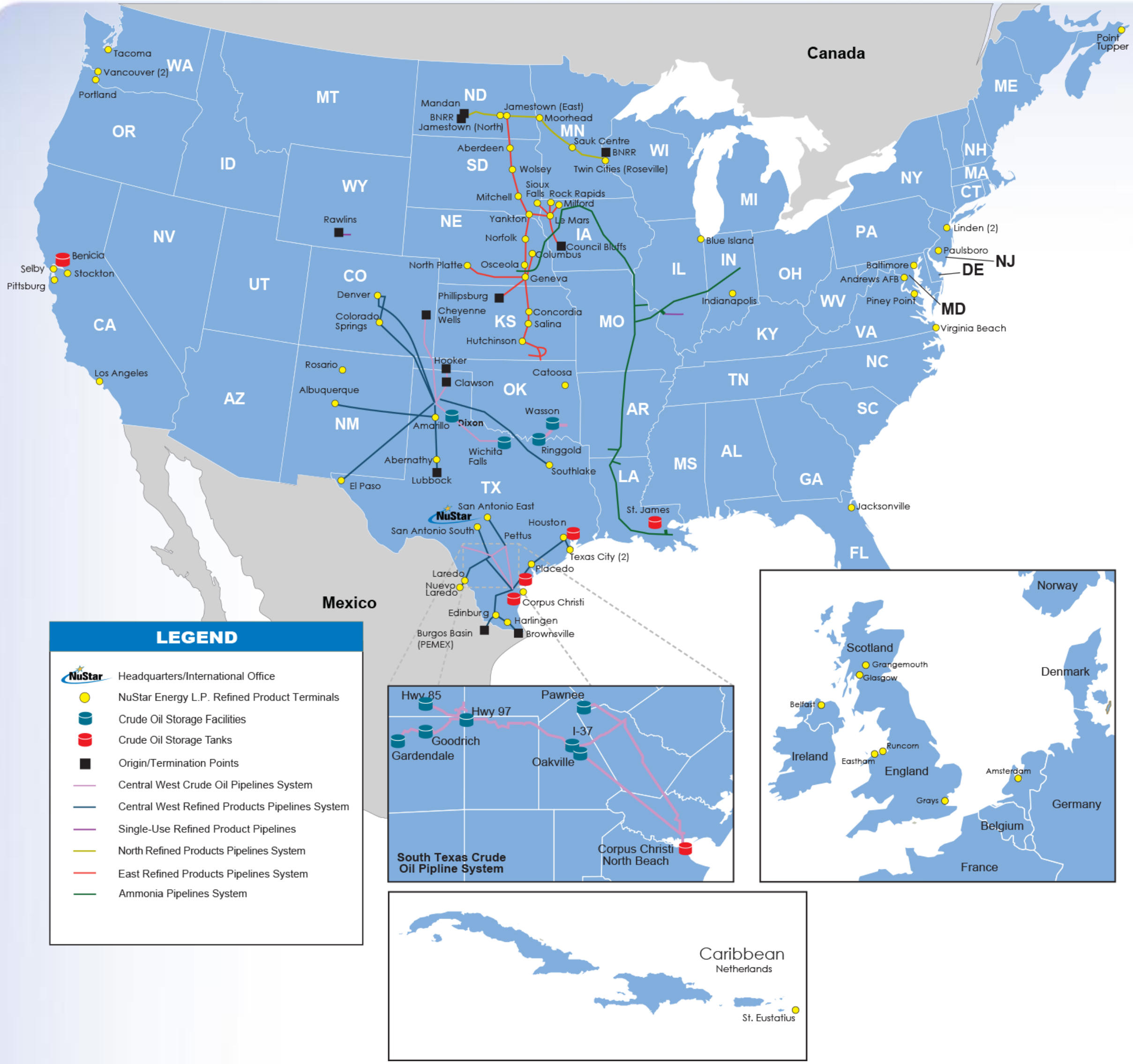
- NuStar Energy L.P. (NYSE: NS) is a publicly traded partnership with a market capitalization of approximately $4.5 billion and an enterprise value of approximately $7.2 billion

- NuStar GP Holdings, LLC (NYSE: NSH) holds the 2% general partner interest, incentive distribution rights and 12.9% of the common units in NuStar Energy L.P. NSH has a market capitalization of around $1.4 billion



	NS	NSH
IPO Date	4/16/2001	7/19/2006
Unit Price (1/8/15)	$57.46	$33.25
Annualized Distribution/Unit	$4.38	$2.18
Yield (1/8/15)	7.6%	6.6%
Market Capitalization	$4,475 million	$1,427 million
Enterprise Value	$7,203 million	$1,449 million
Credit Ratings – Moody's	Ba1/Stable	n/a
S&P	BB+/Stable	n/a
Fitch	BB/Stable	n/a

Large and Diverse Geographic Footprint with Assets in Key Locations

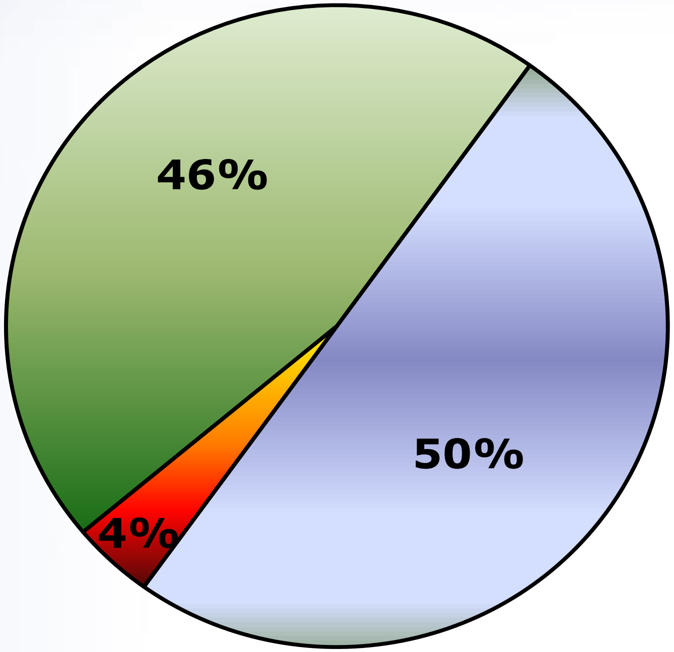


Asset Stats:

- Operations in the U.S., Canada, Mexico, the Netherlands, including St. Eustatius in the Caribbean, and the United Kingdom.
- Own 81 terminal and storage facilities
- Approximately 93 million barrels of storage capacity
- 8,643 miles of crude oil and refined product pipelines

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

Percentage of 2014 Segment EBITDA
(YTD through 9/30/14)



Storage: 46%
- Refined Product Terminals
- Crude Oil Storage

Pipeline: 50%
- Refined Product Pipelines
- Crude Oil Pipelines

Fuels Marketing: 4%
- Refined Products Marketing, Bunkering and Crude & Fuel Oil Trading

- Storage and Pipeline segments account for about 96% of 2014 segment EBITDA

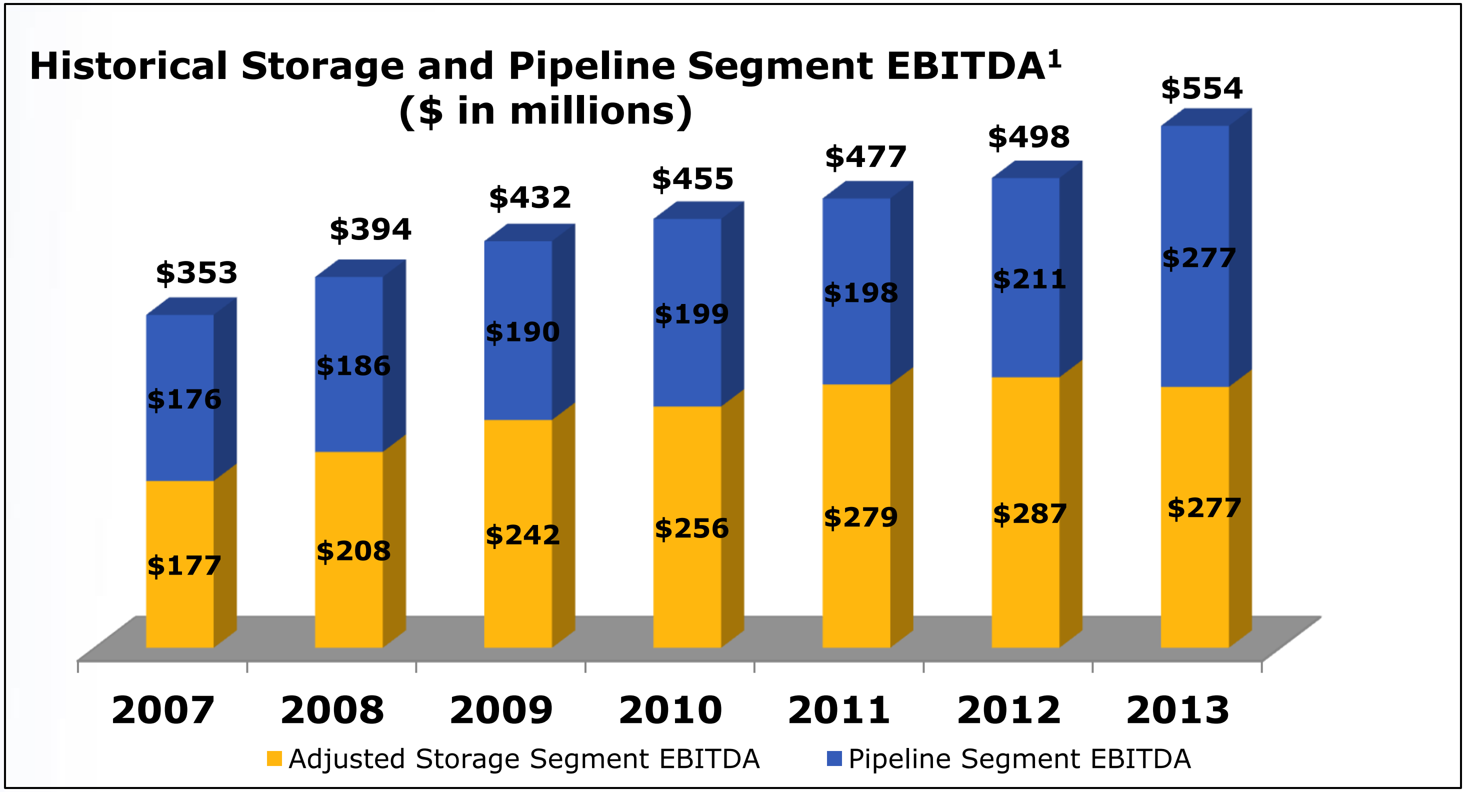
Achieving 2014 Goals - On Track to Cover Distribution for the Full-Year 2014

NuStar

- ✓ Closed on Asphalt JV divestiture
  - No more impact to earnings after 1st quarter of 2014
- ✓ Signed long-term agreement to re-activate idled 200-mile 12” pipeline
- ✓ Completed construction of new dock at Corpus Christi ahead of schedule
  - More than tripled dock capacity
- ✓ Signed lease for 5 million barrels of storage to fill idle storage tankage at St. Eustatius
- ✓ Re-signed lease for 3 million barrels of storage at Point Tupper
  - Ahead of July 2014 off-lease deadline
- ✓ Completed Phase 1 of our South Texas Crude Oil Pipeline Expansion
  - Added 35,000 barrels per day of capacity
- ❑ Fully covered distribution in the second and third quarter of 2014, as well as for the nine months ending September 30, 2014
  - Expect to cover distribution for the full-year 2014

Consistent Track Record in Base Business

- Consistent EBITDA growth in core business segments
- Distributable Cash Flow (DCF) projected to increase by ~30% from 2013 to 2014
- Our renewed focus on our core business and our significant DCF growth have restored confidence in our distribution and set stage for future growth



1 – Please see slide 32 and 33 for a reconciliation of EBITDA to its most directly comparable GAAP measure

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

- Contracted fee-based storage and pipeline assets provide stable cash flows, delivering approximately 96% of 2014 segment EBITDA
  - Storage segment effectively leased out (> 90% utilized)
  - Pipeline segment is ~90% committed through take or pay contracts or through exclusivity[1]
- Diverse and high quality customer base composed of large integrated oil companies, national oil companies and refiners
- Strong balance sheet
  - Debt to EBITDA calculation per Credit Facility of 4.0x (as of September 30, 2014) – strongest in six years
- Company-wide commitment to our distribution and future distribution growth

1 – Uncommitted lines serving refinery customers with no competition

Executing on Growth – Recently Closed on an Acquisition

- **In early January, we purchased the remaining 50% interest in our Linden Terminal Joint Venture from our partner, Linden Holding Corp, a subsidiary of NIC Holding Corp, for $142.5 million**

- **Sole ownership of the terminal strengthens our presence in the New York Harbor and the East Coast market and may provide opportunities for expansion**

- **Terminal is strategically located in the New York Harbor and has the following attributes:**
  - 4.3 million barrels of refined products storage capacity, primarily gasoline, jet fuel, and fuel oil
  - A deep-water ship dock and one barge dock that are used for inbound and outbound shipments
  - Inbound pipeline connections to the Colonial and Sun pipelines, and an outbound connection to the Buckeye Pipeline
  - Direct connection to our adjacent, 100%-owned terminal, which has 389,000 barrels of refined product storage capacity and receives shipments via truck and pipeline and delivers product via its eight-bay truck loading rack

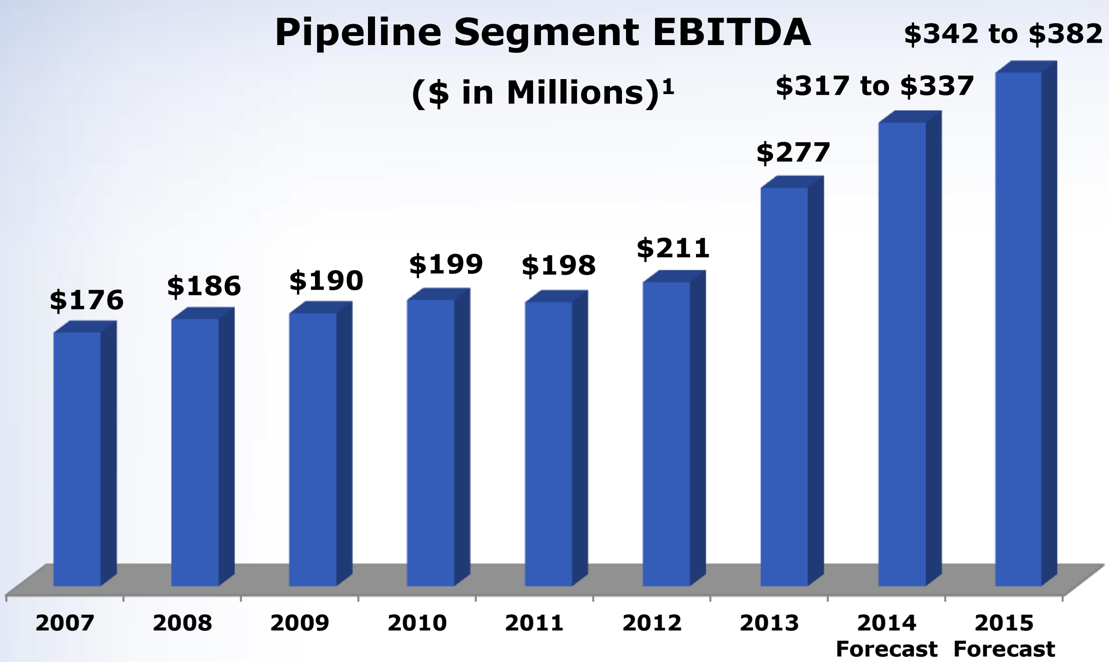
- **Transaction is immediately accretive and is projected to generate ~$20 million in incremental EBITDA[1]**

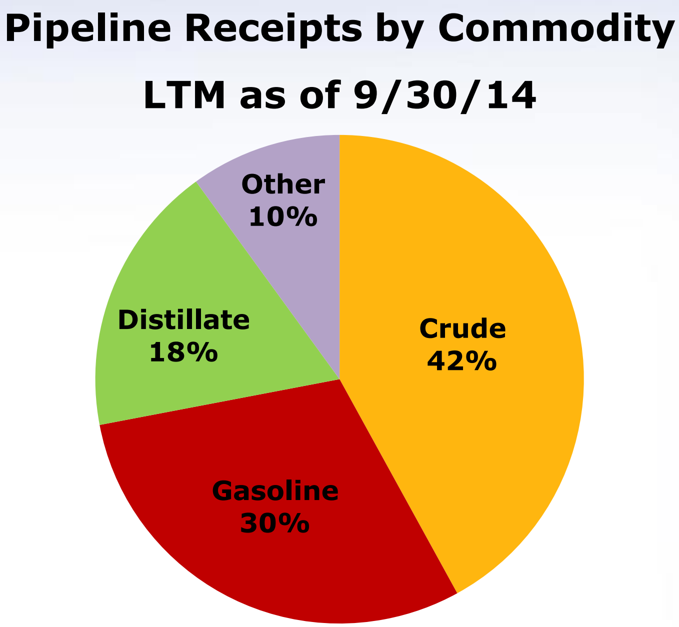
- **Full-year 2015 EBITDA results in our storage segment are now expected to be $10 to $30 million[1] higher than 2014 results**

1 – Please see slide 33 for a reconciliation of EBITDA to its most directly comparable GAAP measure

Pipeline Segment Update

Growth in Eagle Ford Shale Region Expected to Drive Growth in Pipeline Segment EBITDA





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

- 2014 segment EBITDA expected to be $40 to $60 million[1] higher than 2013
- 2015 segment EBITDA expected to be $25 to $45 million[1] higher than 2014
- Increased pipeline throughputs from Eagle Ford expansion projects completed during 2013 through 2015, increased loading capabilities at our Corpus Christi North Beach Terminal and higher annual FERC tariff adjustments, should contribute to higher 2014 and 2015 results

1 – Please see slide 32 for a reconciliation of EBITDA to its most directly comparable GAAP measure

South Texas Crude Oil Pipeline Expansion

- **In December 2012, NuStar acquired 140 miles of crude oil transmission and gathering lines, as well as five storage terminals, for around $325 million**
- **Major Eagle Ford Pipeline internal growth projects completed to date include:**
  - Aug 2011 - Reactivation of Pettus to Corpus Christi pipeline
  - Sep 2011 - Reversal of 8-inch Corpus-to-Three Rivers refined products pipeline
  - Oct 2012 - Construction of a new 12-inch crude oil pipeline for Valero
  - Nov 2012 - Connection of 16-inch Corpus-to-Three Rivers crude oil pipeline to 12-inch TexStar crude oil pipeline system
  - Mar 2013 - Oakville terminal truck offloading
  - Aug 2013 - Pawnee terminal and pipeline connection for ConocoPhillips
  - **May 2014 - Phase 1 expansion of the Choke Canyon Pipeline, added 35,000 barrels per day of capacity and ~$20 million[1] in annual EBITDA**
- **We expect these projects to earn EBITDA multiples in the range of 4x – 8x**

Cap-ex spent to date

~$325M acquisition

~$245M on internal growth

Phase 2 – Choke Canyon Pipeline

~65MBPD

$135M to $145M cost

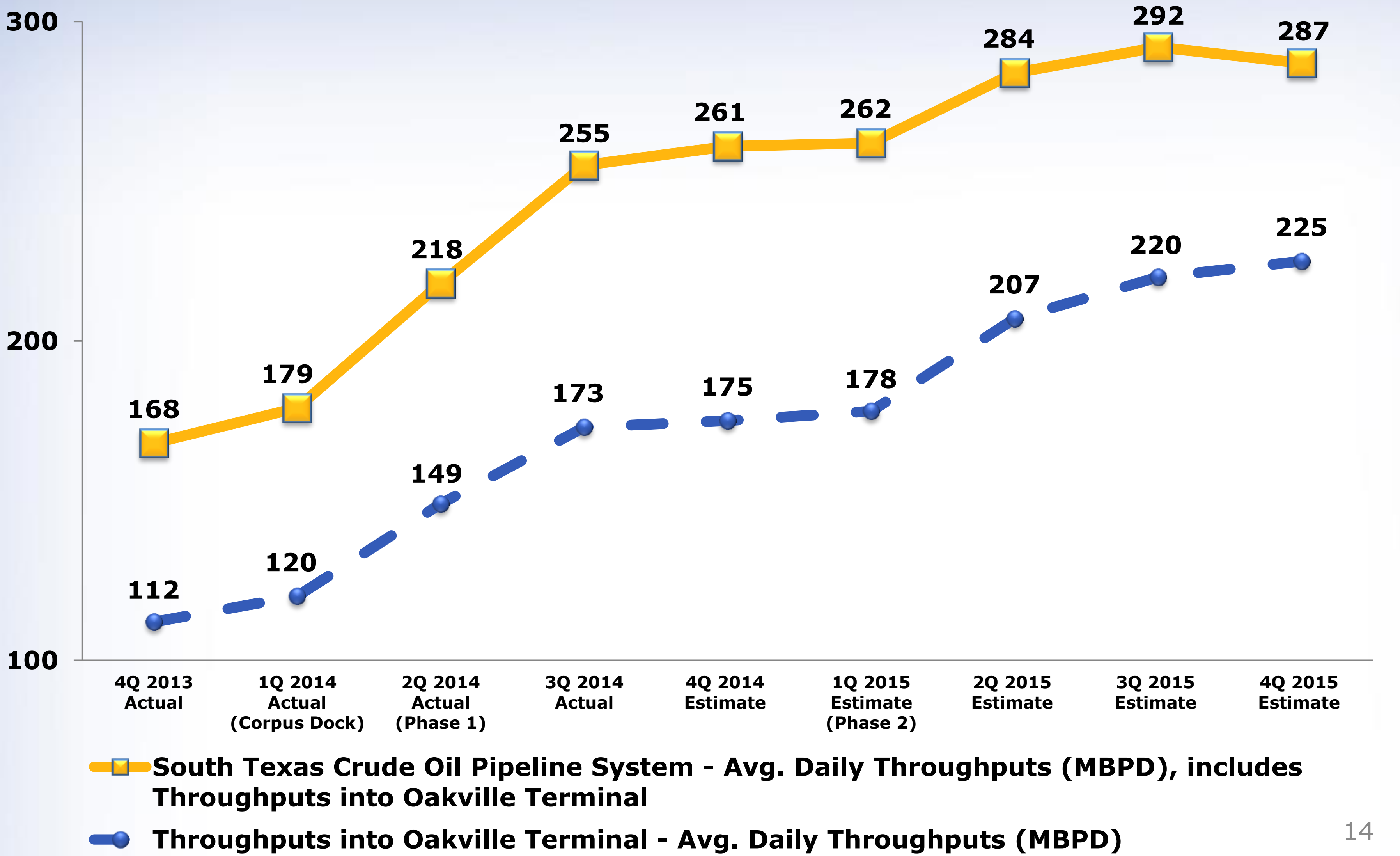
Annual EBITDA as high as $40M[1]

Startup 1Q15

- **Total Estimated Spending:**
  - Pipeline Segment ~$730 million
  - Total (includes Storage Segment) ~$850 million

1 – Please see slide 32 for a reconciliation of EBITDA to its most directly comparable GAAP measure

Throughputs in NuStar's South Texas Crude Oil Pipeline System Have Continued to Increase

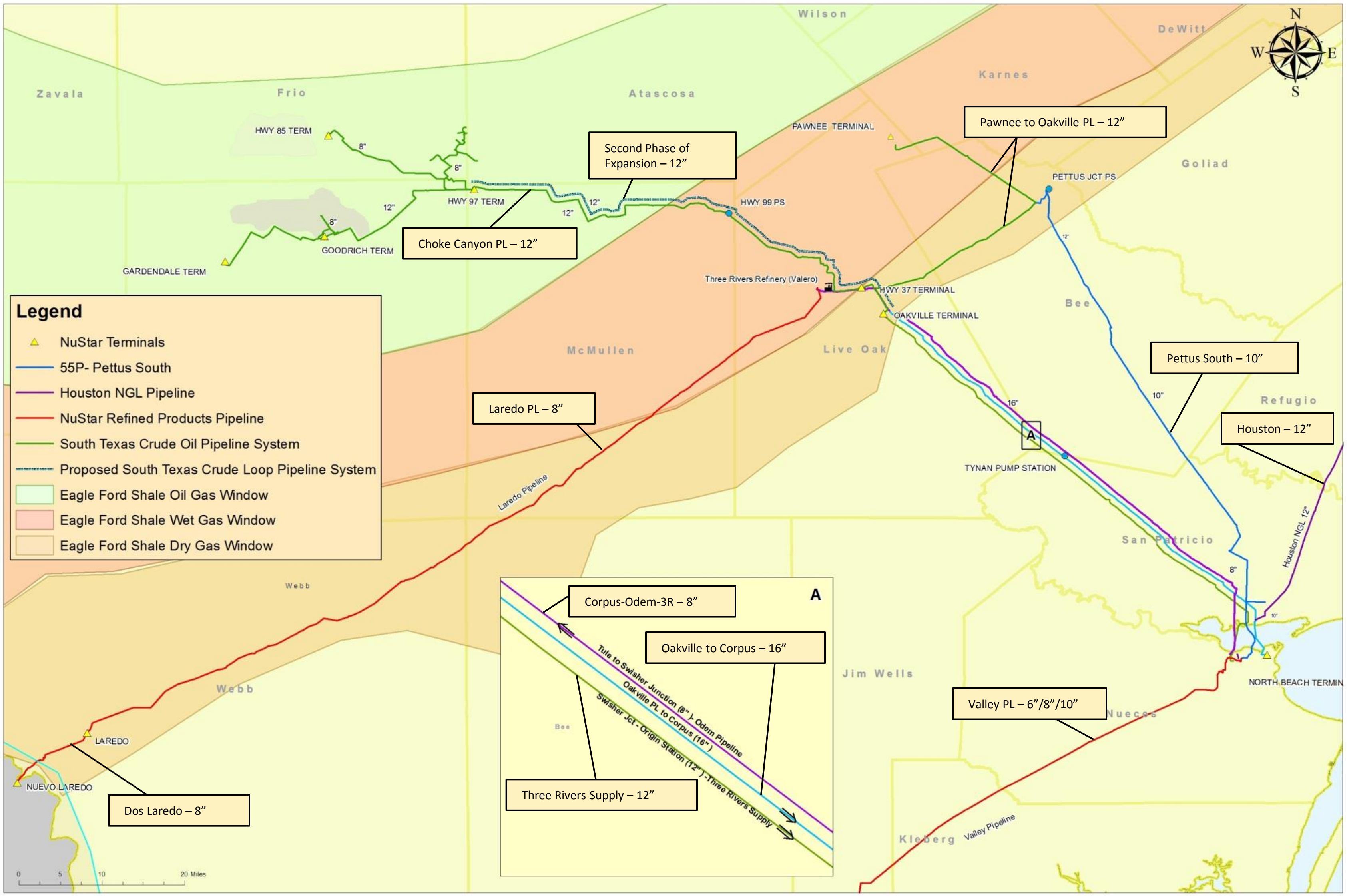


New State-of-the-Art Dock at our Corpus Christi North Beach Terminal is Key to our South Texas Crude Oil Pipeline System Growth

- **Dock more than doubled our loading capacity**
  - Allows us to handle all new volume associated with Phase 1 and Phase 2 of the South Texas Crude Oil Pipeline expansion project, as well as any additional volumes shipped on our South Texas system
  - Favorable private location near mouth of channel that supports large Panamax-class vessels
  - Capability to handle segregations of various grades of crude

- **Have loaded ~700,000 barrels in a 24-hour period**
  - Ability to load ~65,000 barrels per hour across our three docks
  - Capacity to move on average between 350,000 and 400,000 barrels per day
  - Loaded a record average of ~187,000 barrels per day during November 2014
  - In December 2014, we loaded our 50 millionth barrel across our docks

NuStar's South Texas Pipeline Presence



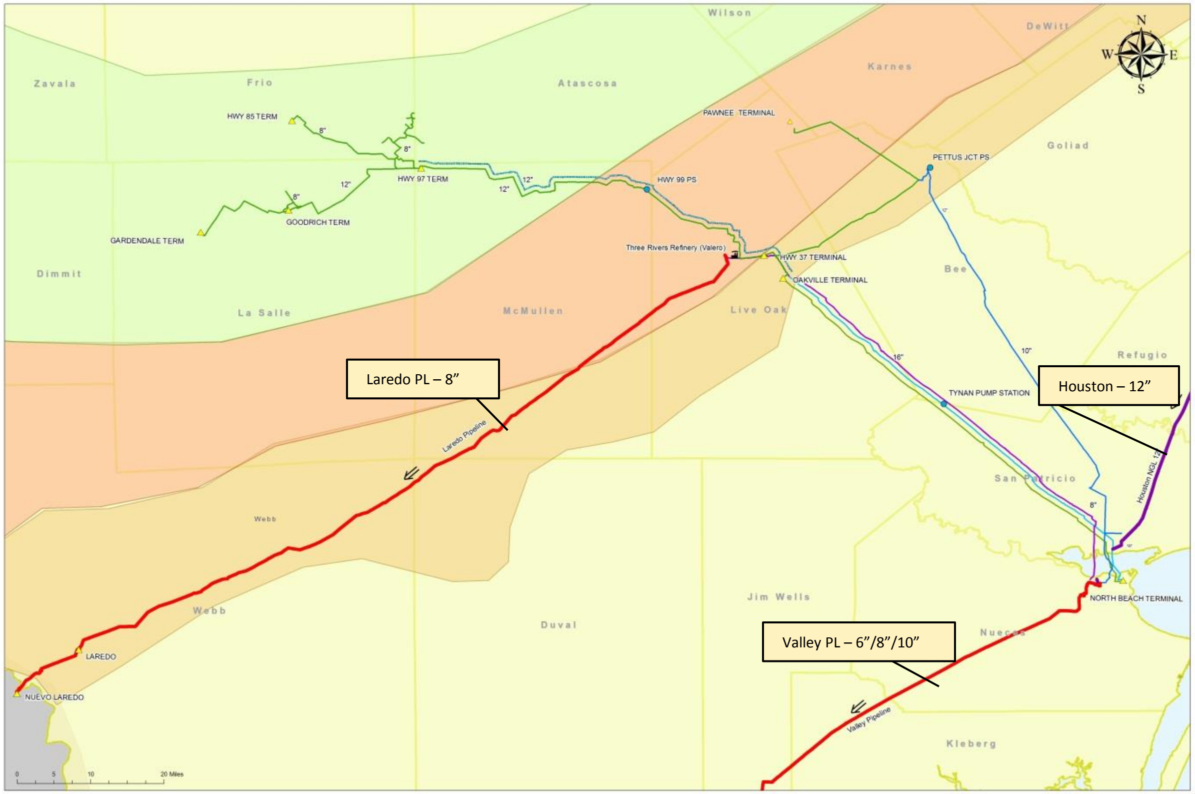
NuStar's Reactivation of an Idle 12-inch Pipeline should increase annual EBITDA by $23 million[1]

- **Signed long-term agreement with Occidental Petroleum (Oxy) in February 2014.**
- **Oxy will ship NGLs on our formerly idle, 200-mile 12-inch pipeline between Mont Belvieu and Corpus Christi**
  - The line has the capacity to transport 110,000 barrels per day
  - Oxy will utilize the majority of the line's capacity
  - NuStar is marketing the remaining pipeline capacity
- **Began generating DCF in the second quarter of 2014**
- **Pipeline projected to be in full service, early in the third quarter of 2015**
- **Capital spending required to reactivate the line expected to be $150 to $170 million**

1 – Please see slide 32 for a reconciliation of EBITDA to its most directly comparable GAAP measure

Recently Signed Letter of Intent with PMI to Develop Project to Transport LPGs from the U.S. Into Northern Mexico

- **Recently signed non-binding Letter of Intent with PMI**
- **Based on development to date, we would hope to establish a joint venture with PMI in early 2015**
- **Early indications are that this project could be completed in the second half of 2016**



Several Factors Shield NuStar's Pipeline Revenues From Crude Price Volatility

- **Pipeline revenues system-wide are ~90% committed either by take or pay or through exclusivity[1]**
  - Typical contract length 3-5 years (5-10 years for new build)
  - ~95% of our tariffs are FERC-based, which are adjusted annually for inflation

- **Approximately 75% of our pipeline revenues relate to throughput volumes that either supply feedstock materials to refineries/ammonia plants or deliver the produced refined products to local markets**
  - In many instances, NuStar's pipelines are the only viable options for our customers
  - Throughput volumes have not historically fluctuated with changes in feedstock and refined product prices

- **The remaining 25% of our pipeline revenues relate to Eagle Ford Shale throughput volumes**
  - Throughput and deficiency (T&D) agreements support the majority of our Eagle Ford revenues
  - Minimal counterparty risk – customers are large, established and credit worthy
  - 3-8 years remaining on all Eagle Ford contracts
  - State-of-the-art Corpus dock – competitive advantage for customers looking for an alternative to Houston

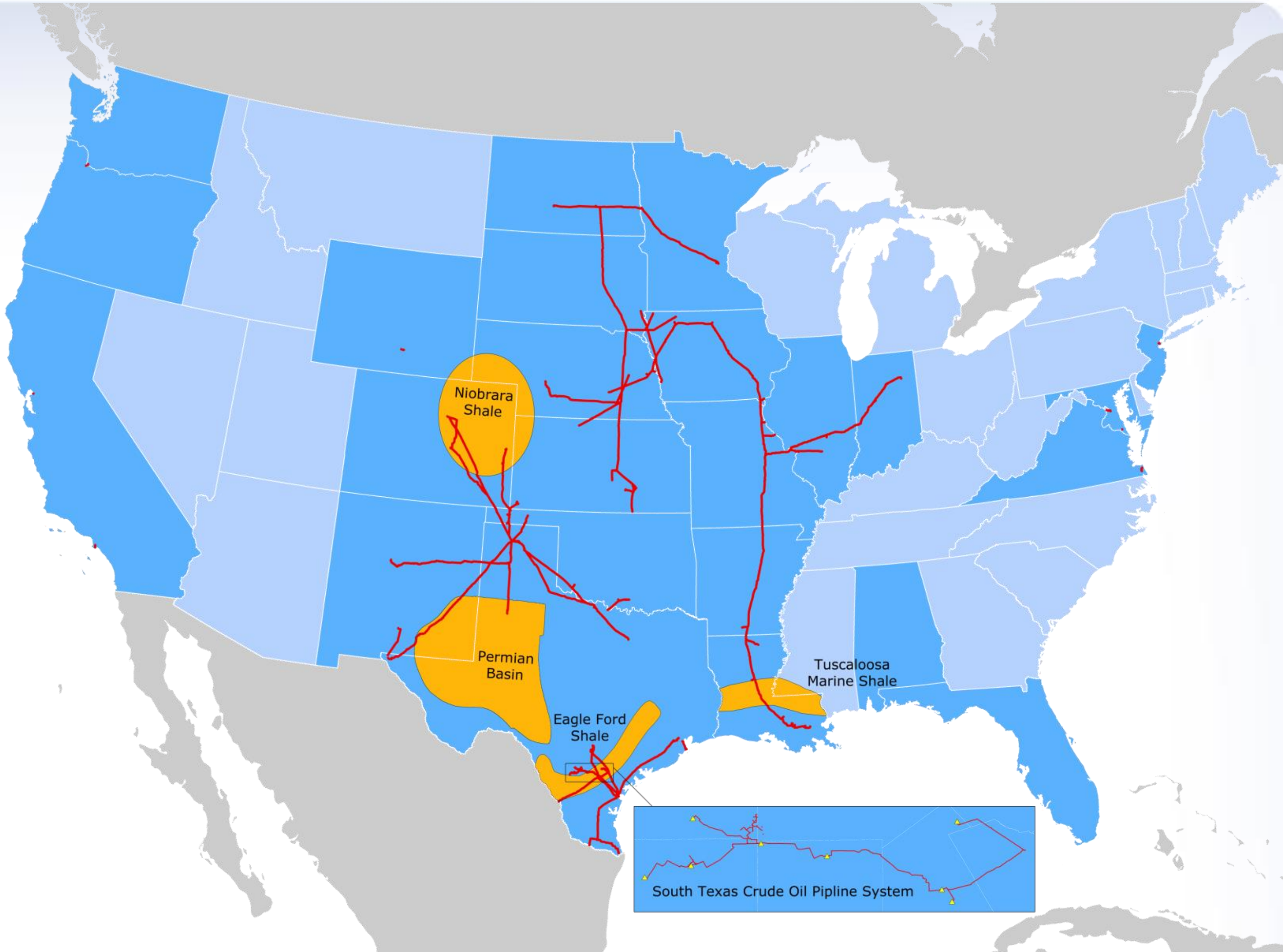
- **Pipeline projects scheduled for completion in 2015 will be supported by T&D agreements**
  - Houston 12" – currently 67,000 barrels per day committed, take or pay with a five-year term
  - Phase 2 of South Texas Crude Oil Pipeline Expansion – currently partially committed, take or pay with a five-year term (and five-year renewal option)

1 – Uncommitted lines serving refinery customers with no competition

Continuing to Focus on Other Pipeline Growth Opportunities

Currently evaluating:

- Expansion of our existing South Texas Crude Oil Pipeline System
- Construction or acquisition of crude oil gathering assets that would supply our South Texas Crude Oil Pipeline System
- Crude oil and refined product pipeline opportunities in various shale plays
- Total Pipeline Segment internal growth spending could be in the range of $900 million to $1.1 billion[1]

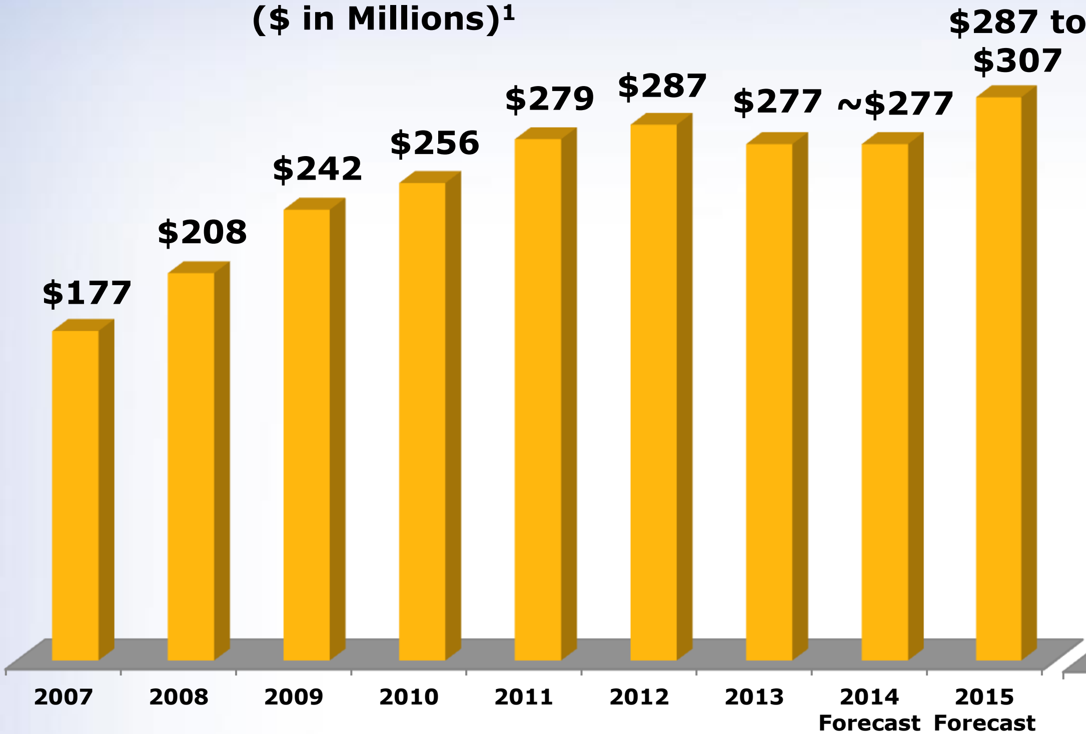


1 – capital spending to take place over the next two to three years.

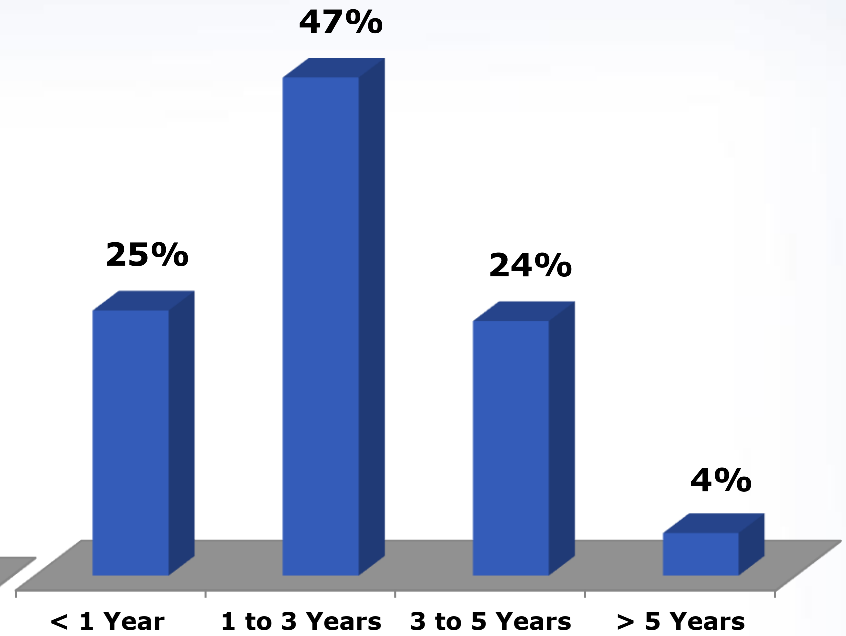
Storage Segment Update

2015 Storage Segment EBITDA Expected to Benefit from Linden Terminal Acquisition

Adjusted Storage Segment EBITDA
($ in Millions)[1]



Storage Lease Renewals
(% as of 10/17/2014)



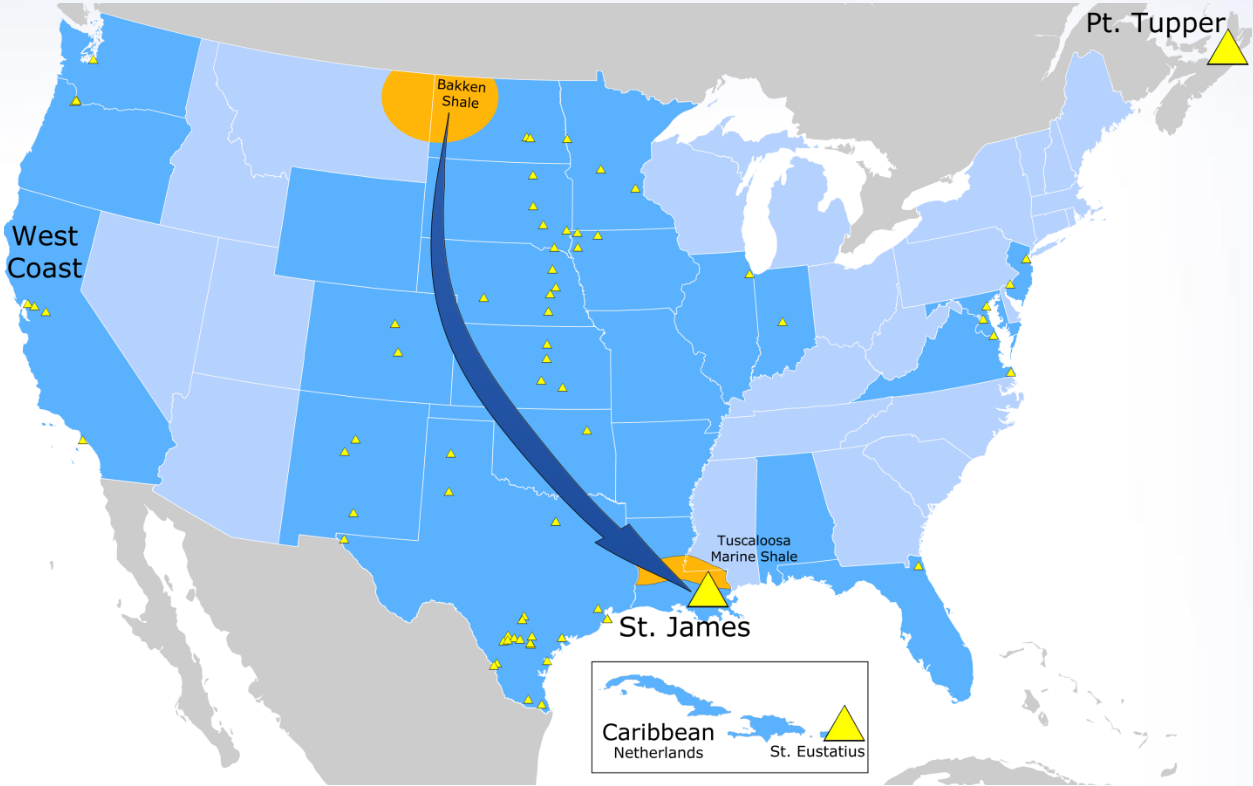
- Our storage segment is benefitting from the completion of our second unit train at St. James Terminal in November 2013 and the additional throughputs at our Corpus Christi North Beach Terminal
- However, weak West Coast storage demand and the narrowing of the LLS to WTI spread has negatively impacted both profit sharing and unit train demand
- We expect that volumes on our St. James unit trains and continued growth at Corpus Christi North Beach will be largely unaffected by falling crude prices

1 – Please see slide 33 for a reconciliation of adjusted EBITDA to its most directly comparable GAAP measure

Pursuing Other Storage Terminal Opportunities

Currently evaluating:

- Rail car off-loading projects on the West Coast
- Viability of a Pt. Tupper rail offloading facility for crude oil and/or LPG
- Additional storage expansion at St. James Terminal
- Our St. Eustatius Terminal’s role in regional demand for additional crude oil storage and infrastructure capacity
- Terminal acquisitions in strategic markets
- Total Storage Segment internal growth spending could be in the range of \$100 to \$300 million[1]



1 – capital spending to take place over the next two to three years.

Fuels Marketing Segment Update

We Expect Reduced Working Capital Requirements and Minimized Volatility in the Fuels Marketing Segment

- **Segment is composed of:**
  - Refined Products Marketing
  - Bunkering
  - Crude & Fuel Oil Trading
- **A back-to-back supply agreement at our St. Eustatius terminal:**
  - Reduced our working capital by approximately $50 million
  - Reduction in operating expenses has improved results
- **Fuels Marketing Segment currently pays Storage Segment approximately $25 million in annual storage fees**
  - Represents around 5% of Storage Segment revenues
- **2014 and 2015 EBITDA results for the segment are expected to be $20 to $30 million[1]**

1 – Please see slide 33 for a reconciliation of EBITDA to its most directly comparable GAAP measure

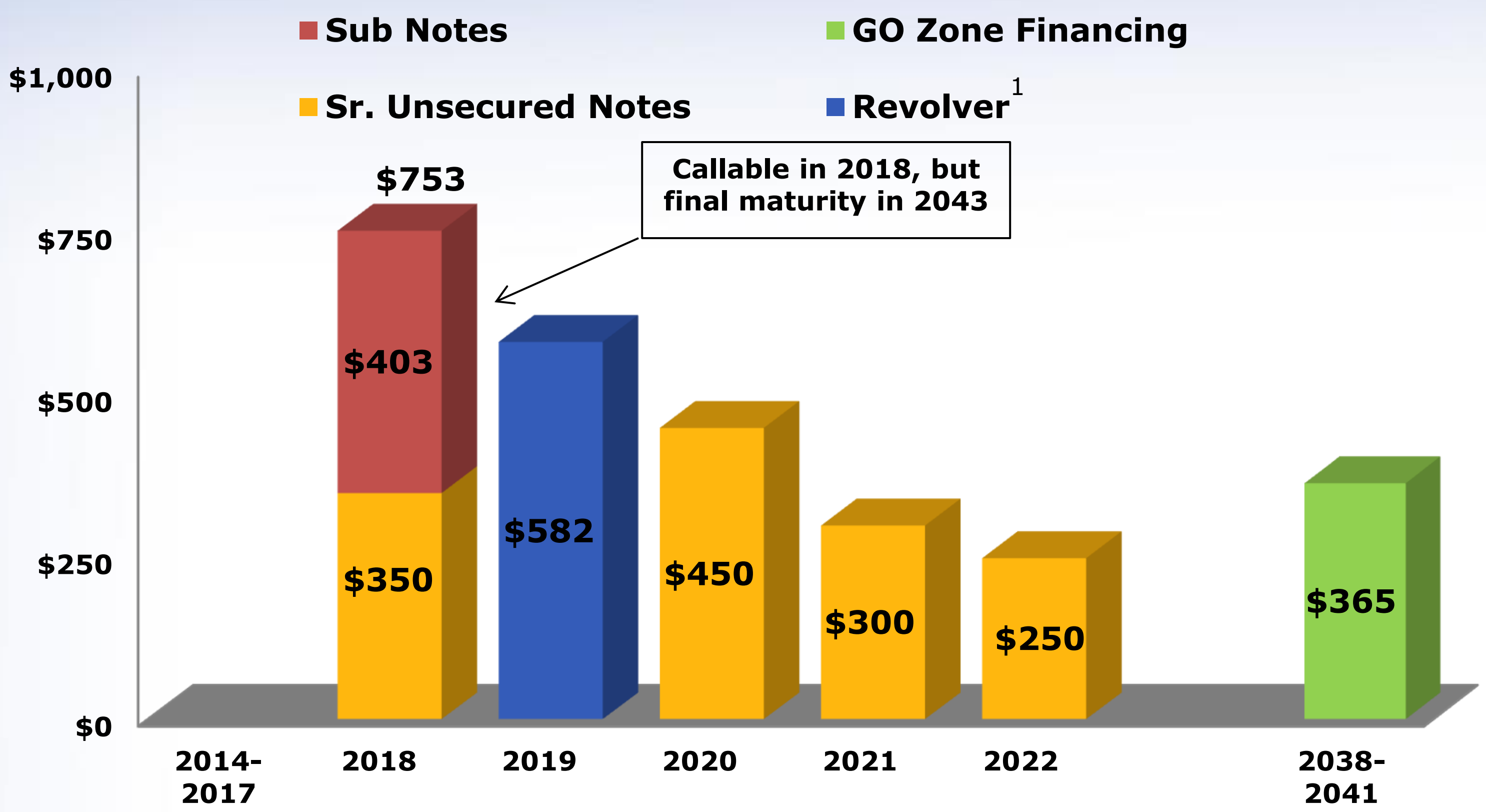
Financial Overview

Capital Structure
(as of September 30, 2014, Dollars in Millions)

$1.5 billion Credit Facility	$582
NuStar Logistics Notes (4.75%)	250
NuStar Logistics Notes (4.80%)	450
NuStar Logistics Notes (6.75%)	300
NuStar Logistics Notes (7.65%)	350
NuStar Logistics Sub Notes (7.625%)	403
GO Zone Bonds	365
Net unamortized discount and fair value adjustments	32
Total Long-term Debt	$2,732
Total Short-term Debt	21
Total Partners' Equity	1,769
Total Capitalization	$4,522

- Availability under $1.5 billion Credit Facility (as of September 30, 2014): ~$840 million
  - $582 million in borrowings and $78 million in Letters of Credit outstanding
  - Debt to EBITDA calculation per Credit Facility of 4.0x (as of September 30, 2014)
  - In October 2014, we amended and extended the maturity of the Credit Facility to October 2019
    - Pricing was reduced, which should lower interest expense by ~$2 million per year

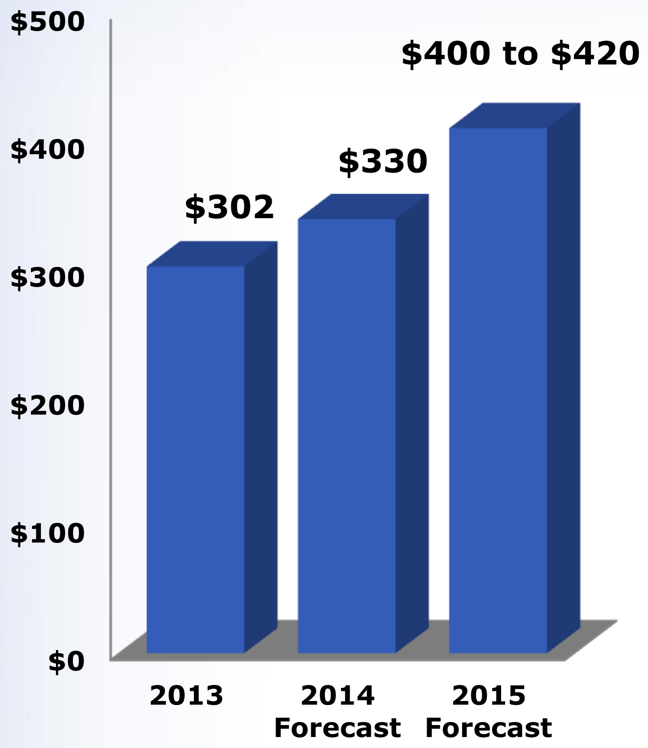
Long-term Debt Maturity Profile
(as of September 30, 2014, Dollars in Millions)



- **Currently, no Debt Maturities until 2018**
- **Long-term Debt structure 65% fixed rate – 35% variable rate**

1 – Revolver maturity in 2019 reflects the October closing of our amended and restated Credit Facility

Internal Growth and Acquisition Spending: Expect Approximately $330 Million for 2014 and $400 to $420 Million in 2015 (Dollars in Millions)



- **Total Capital Spending, which includes Reliability Capital, is expected to be approximately $360 million in 2014 and $435 to $465 million in 2015**

The Fundamentals of our Business Remain Strong

- Fee-based pipeline and storage operations
- Supported by contracts from creditworthy customers
- World-class assets in strategic locations that allow us to take advantage of:
  - Continued shale oil development
  - Potential exports of both crude oil and condensates
  - Changing storage fundamentals
- Strong balance sheet and improved financial metrics position us well for future growth

Appendix

Reconciliation of Non-GAAP Financial Information: Pipeline Segment

NuStar Energy L.P. utilizes financial measures, earnings before interest, taxes, depreciation and amortization (EBITDA) from continuing operations, distributable cash flow (DCF) from continuing operations and DCF from continuing operations per unit, which are not defined in U.S. generally accepted accounting principles (GAAP). Management uses these financial measures because they are widely accepted financial indicators used by investors to compare partnership performance. In addition, management believes that these measures provide investors an enhanced perspective of the operating performance of the partnership's assets and the cash that the business is generating. None of EBITDA from continuing operations, DCF from continuing operations or DCF from continuing operations per unit are intended to represent cash flows from operations for the period, nor are they presented as an alternative to net income or 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.

The following is a reconciliation of operating income to EBITDA for the Pipeline Segment:

	Year Ended December 31,						
	2007	2008	2009	2010	2011	2012	2013
Operating income	$ 126,508	$ 135,086	$ 139,869	$ 148,571	$ 146,403	$ 158,590	$ 208,293
Plus depreciation and amortization expense	49,946	50,749	50,528	50,617	51,165	52,878	68,871
EBITDA	$ 176,454	$ 185,835	$ 190,397	$ 199,188	$ 197,568	$ 211,468	$ 277,164

The reconciliation below shows projected operating income to projected EBITDA for the Pipeline Segment:

	Year Ended December 31,	
	2014	2015
Projected operating income	$ 243,000 - 258,000	$ 258,000 - 288,000
Plus projected depreciation and amortization expense	74,000 - 79,000	84,000 - 94,000
Projected EBITDA	$ 317,000 - 337,000	$ 342,000 - 382,000

The following is a reconciliation of projected incremental operating income to projected incremental EBITDA for the Pipeline Segment:

	Year Ended December 31,	
	2014	2015
Projected incremental operating income	$ 35,000 - 50,000	$ 15,000 - 30,000
Plus projected incremental depreciation and amortization expense	5,000 - 10,000	10,000 - 15,000
Projected incremental EBITDA	$ 40,000 - 60,000	$ 25,000 - 45,000

The following is a reconciliation of projected annual operating income to projected annual EBITDA for certain projects in our Pipeline Segment:

	South Texas Crude Phase One	South Texas Crude Phase Two	Houston Pipeline NGL Project
Projected annual operating income	$ 19,000	$ 35,000	$ 15,000
Plus projected annual depreciation and amortization expense	1,000	5,000	8,000
Projected annual EBITDA	$ 20,000	$ 40,000	$ 23,000

Reconciliation of Non-GAAP Financial Information: Storage & Fuels Marketing Segments

NuStar Energy L.P. utilizes financial measures, earnings before interest, taxes, depreciation and amortization (EBITDA) from continuing operations, distributable cash flow (DCF) from continuing operations and DCF from continuing operations per unit, which are not defined in U.S. generally accepted accounting principles (GAAP). Management uses these financial measures because they are widely accepted financial indicators used by investors to compare partnership performance. In addition, management believes that these measures provide investors an enhanced perspective of the operating performance of the partnership's assets and the cash that the business is generating. None of EBITDA from continuing operations, DCF from continuing operations or DCF from continuing operations per unit are intended to represent cash flows from operations for the period, nor are they presented as an alternative to net income or 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.

The following is a reconciliation of operating income (loss) to EBITDA for the Storage Segment:

	Year Ended December 31,						
	2007	2008	2009	2010	2011	2012	2013
Operating income (loss)	$ 114,635	$ 141,079	$ 171,245	$ 178,947	$ 196,508	$ 198,842	$ (127,484)
Plus depreciation and amortization expense	62,317	66,706	70,888	77,071	82,921	88,217	99,868
EBITDA	$ 176,952	$ 207,785	$ 242,133	$ 256,018	$ 279,429	$ 287,059	$ (27,616)
Impact from non-cash charges							304,453
Adjusted EBITDA							$ 276,837

The reconciliation below shows projected operating income to projected EBITDA for the Storage Segment:

	Year Ended December 31,	
	2014	2015
Projected operating income	$ 177,000	$ 182,000 - 197,000
Plus projected depreciation and amortization expense	100,000	105,000 - 110,000
Projected EBITDA	$ 277,000	$ 287,000 - 307,000

The following is a reconciliation of projected incremental operating income to projected incremental EBITDA for the Storage Segment:

	Year Ended December 31, 2015
Projected incremental operating income	$ 5,000 - 20,000
Plus projected incremental depreciation and amortization expense	5,000 - 10,000
Projected incremental EBITDA	$ 10,000 - 30,000

The following is a reconciliation of projected incremental operating income to projected incremental EBITDA related to the Storage Segment:

	Linden Acquisition
Projected incremental operating income	$ 16,000
Plus projected incremental depreciation and amortization expense	4,000
Projected incremental EBITDA	$ 20,000

The reconciliation below shows projected operating income to projected EBITDA for the Fuels Marketing Segment:

	Year Ended December 31,	
	2014	2015
Projected operating income	$ 20,000 - 30,000	$ 20,000 - 30,000
Plus projected depreciation and amortization expense	-	-
Projected EBITDA	$ 20,000 - 30,000	$ 20,000 - 30,000