UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **January 11, 2022**

NuStar Energy L.P.
(Exact name of registrant as specified in its charter)

Delaware	**001-16417**	**74-2956831**
(State or other jurisdiction of incorporation)	(Commission File Number)	(I.R.S. Employer Identification No.)

19003 IH-10 West
San Antonio, Texas 78257
(Address of principal executive offices)
(210) 918-2000
(Registrant's telephone number, including area code)
Not applicable
(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:
☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common units	NS	New York Stock Exchange
Series A Fixed-to-Floating Rate Cumulative Redeemable Perpetual Preferred Units	NSprA	New York Stock Exchange
Series B Fixed-to-Floating Rate Cumulative Redeemable Perpetual Preferred Units	NSprB	New York Stock Exchange
Series C Fixed-to-Floating Rate Cumulative Redeemable Perpetual Preferred Units	NSprC	New York Stock Exchange

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Item 7.01 Regulation FD Disclosure.

Senior management of NuStar Energy L.P. is participating in virtual meetings with members of the investment community at the 2022 UBS Winter Infrastructure & Energy Conference on Tuesday, January 11, 2022 and Wednesday, January 12, 2022. The slides attached to this report were prepared in connection with, and are being used during, the meetings. The slides are included in Exhibit 99.1 to this report and are incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) **Exhibits.**

Exhibit Number	EXHIBIT
Exhibit 99.1	Slides to be used on January 11, 2022 and January 12, 2022.
Exhibit 104	Cover Page Interactive Data File – the cover page XBRL tags are embedded within the Inline XBRL document

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

NUSTAR ENERGY L.P.

By: Riverwalk Logistics, L.P.
its general partner

By: NuStar GP, LLC
its general partner

Date: January 11, 2022

By: /s/ Amy L. Perry
Name: Amy L. Perry
Title: Executive Vice President-Strategic Development and General Counsel

NuStar

2022 UBS

Virtual Winter Infrastructure & Energy Conference

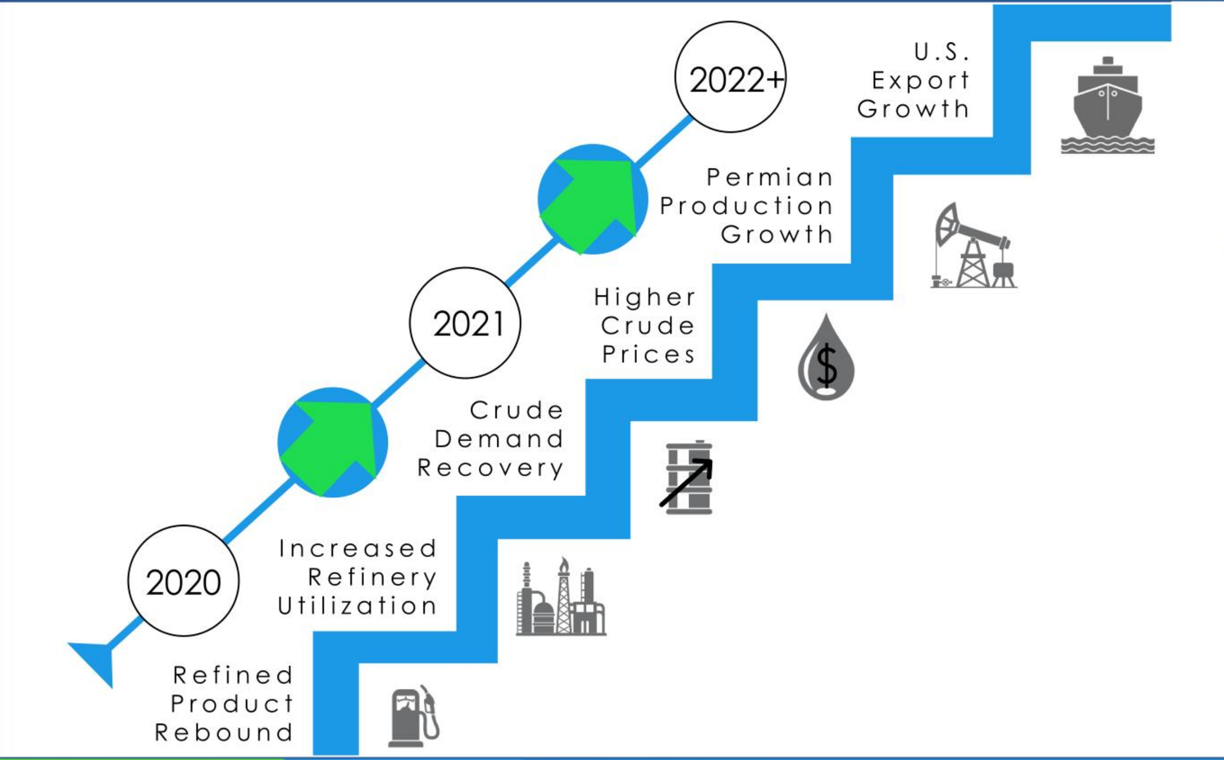
JANUARY 11-12, 2022

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.

We are Encouraged by the Progress in the Global Economy in 2021 and the Preliminary Outlook for 2022



This Year We Have Focused on Three Primary Strategic Priorities

Our 2021
Strategic Priorities:

1. Promoting Our ESG Excellence

2. Reducing Our Debt

3. Self-funding Our Business

Our Sustainability Team Achieved Some Significant Milestones in 2021

2021 Sustainability

- ✓ Built NuStar's Sustainability ***webpage***
- ✓ Posted Sustainability investor ***presentation***
- ✓ Posted ***inaugural sustainability report***
- ✓ Working to quantify Scope 1 & 2 ***emissions***

We Also Divested Non-strategic Assets and, in Doing so, Lowered Our Debt-to-EBITDA Ratio and Strengthened Our Balance Sheet

- Since this time last year, we have divested of non-core assets for a total of $356 million in proceeds, in both cases, at an attractive multiple

Q4 2020 Texas City Terminal + Q4 2021 Eastern U.S. Terminals = **$356MM** Total Proceeds

- We have deployed those proceeds to reduce debt, and our Debt-to-EBITDA ratio projected for year-end 2021 is now below 4X

Once Again, Our Solid Third Quarter 2021 Results Demonstrated the Strength and Resilience of Our Business

Q3 2020

Up 13%
Pipeline Throughputs

Up 21%
Adjusted Net Income[1]

Up 10%
Adjusted DCF[1]

Q3 2021

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

Because of Our Employees Hard Work and Focus on Our Strategic Priorities, We Expect Strong Results for Full-Year 2021

Full-year 2021

Adjusted EBITDA $685-715MM*

DCF Coverage ~2.0x*

Debt-to-EBITDA Ratio less than 4.0x*

Expect to Fund All NuStar's 2021 Spending From Our Internally Generated Cash Flows

* - Please see Appendix for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures.

We are Now Positioned to Focus 100% of Our Resources on Our Core Strategic Asset Footprint

Renewable Fuels

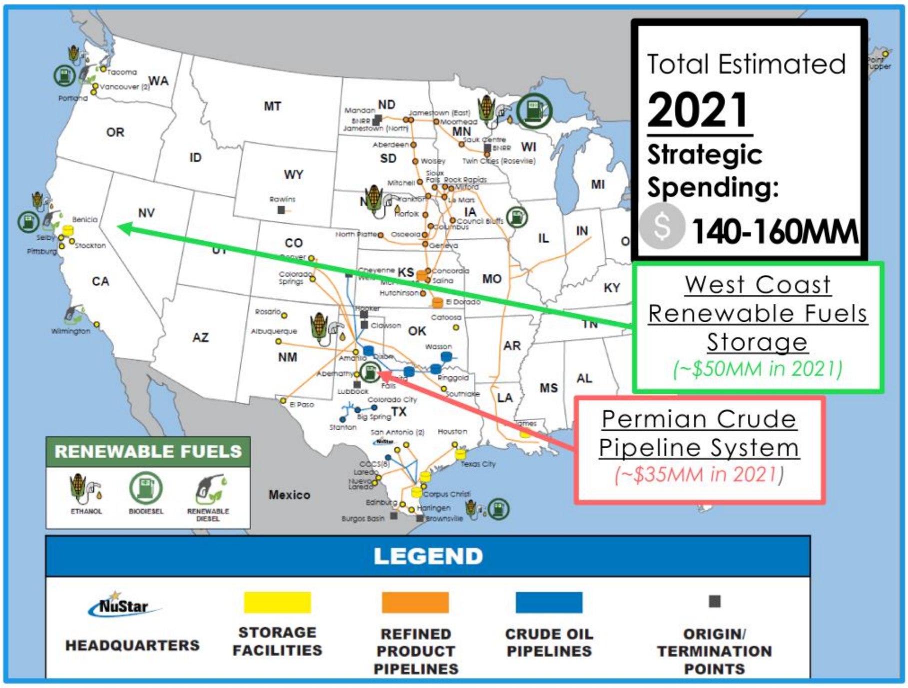
- ***Established:***
  - West Coast Network
  - Ethanol & bio-diesel blending
- ***Developing:***
  - Ammonia System

Refined Products

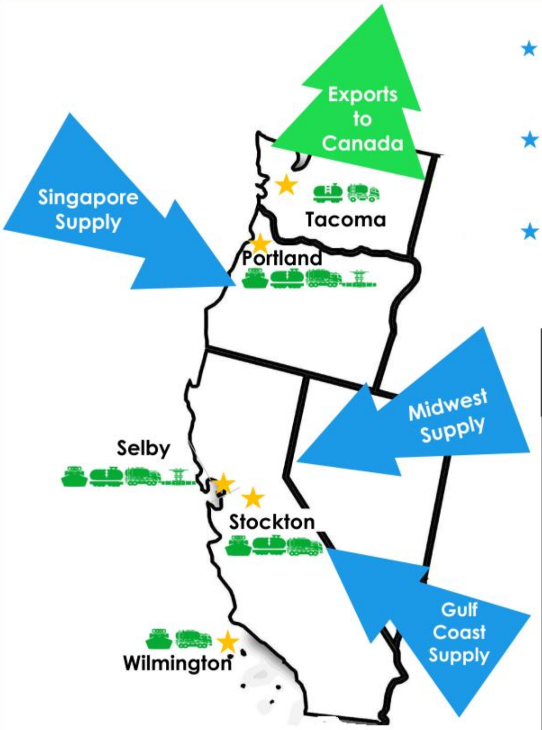
- Midcontinent
- Colorado/NM/Texas
- Northern Mexico

Crude Supply/Export

- Permian Crude System
- Corpus Christi Crude System
- St. James Terminal

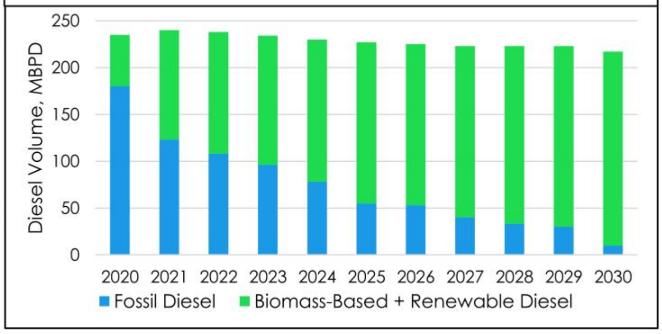


Carbon Emissions Reduction Goals Generate Growing Demand, Which Offer Realizable Opportunities for Well-positioned Midstream Logistics, Like NuStar's



- Regulatory priorities on the West Coast and in Canada continue to dramatically increase demand for renewable fuels in the region
- At the same time, obtaining permits for greenfield projects is difficult, which increases the value of existing assets
- Our West Coast terminals have the access and optionality to receive and distribute renewable fuels across the West Coast

California's Transportation Fuel Supply With Low-Carbon Fuel Standard Compliance From Petroleum Diesel Alternatives



Source: IHS Markit 2021

We Have Captured a Significant (and Still Growing) Proportion of the Region's Renewable Fuels Supply…

NuStar's Proportionate Share of California's Renewable Fuels Market (Second Quarter 2021 Total Volume[1])

BIODIESEL	ETHANOL	RENEWABLE DIESEL
7%	21%	28%

- We expect our market share to increase in 2022, along with associated EBITDA, as we complete additional projects presently in planning or under construction
  - We intend to convert remaining tankage to renewable fuels as the market demands
- Our facilities are positioned to benefit from new production and conversion projects for renewable diesel, renewable jet, ethanol and other renewable fuels across the region

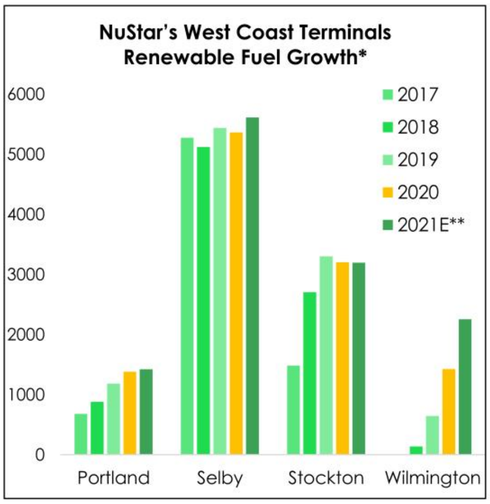
Source: California Air Resource Board (CARB)
1 – Most recent available data

Renewable Fuels

… And Partnering With Key Customers to Develop Our Renewable Fuels Network, as LCFS Mandates Expand to Additional Markets

- We have established ourselves as an early mover in the renewable fuels transportation market by developing and completing a number of renewable fuels projects
- These projects, in partnership with our customers on the West Coast, have allowed NuStar to capture market share and build on relationships with key global producers
  - Our facilities are positioned to benefit from new production and conversion supply projects for renewable diesel, sustainable aviation fuel ("SAF"), ethanol and other renewable fuels as the renewable fuels market continues to grow

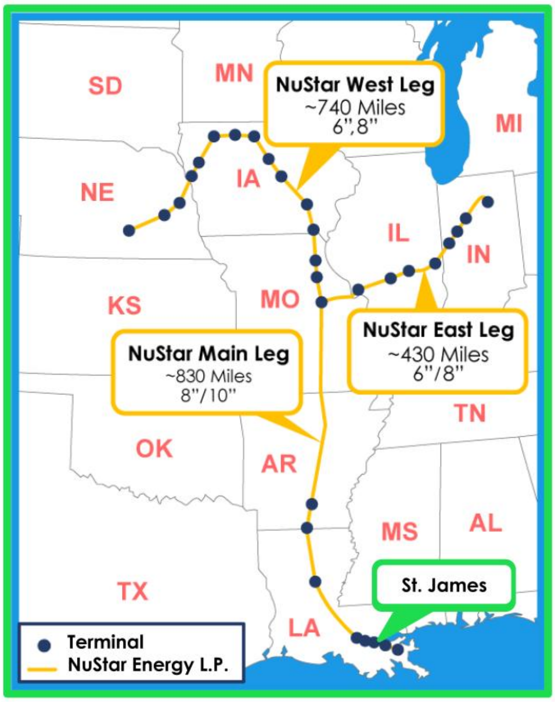
		Complete
Portland	Convert 36,000 bbls to **biodiesel**	✓
	Convert 57,000 bbls to **renewable diesel**	✓
Selby	Construct truck-loading for **renewable diesel**	✓
	Multimodal shipment of **SAF**	✓
	Convert 208,000 to **SAF**	✓
	Modify rail to handle **renewable feedstock** offloading	✓
Stockton	Convert 30,000 bbls to **biodiesel**	✓
	Convert 73,000 bbls to **renewable diesel** and expand **renewable diesel** handling to all 15 rail spots	✓
	Convert 151,000 bbls to **renewable diesel**	1Q22 Est.
	Connect to **ethanol** unit train offload facility	1Q22 Est.
Wilmington	Convert 160,000 bbls to **renewable diesel**	✓
	Reconfigure dock for enhanced marine capability	1H25 Est.



* Includes biodiesel, ethanol, renewable diesel and SAF
** November 2021 YTD, annualized

Beyond the West Coast, We are Developing Near- and Long-term Opportunities for Our Ammonia System, Both Renewable and Conventional

- Our Ammonia Pipeline is the longest and only ammonia pipeline in the country, spanning over 2,000 miles and seven states, from Louisiana, north along the Mississippi to Missouri, and then northwest and east, to Nebraska and Indiana
- Today, we provide the lowest-cost option for transporting imported and domestically produced ammonia to fertilize crops in our nation's "breadbasket"
- We have capacity available to transport additional volumes, including "blue" or "green" ammonia
  - Currently running ~30 MBPD (~3,500 STPD[1]), but have capacity close to ~50 MBPD (~5,500 STPD)



1 – short tons per day

Ammonia, the World's Second-most Widely Used Chemical, Offers Significant "Greening" Opportunities

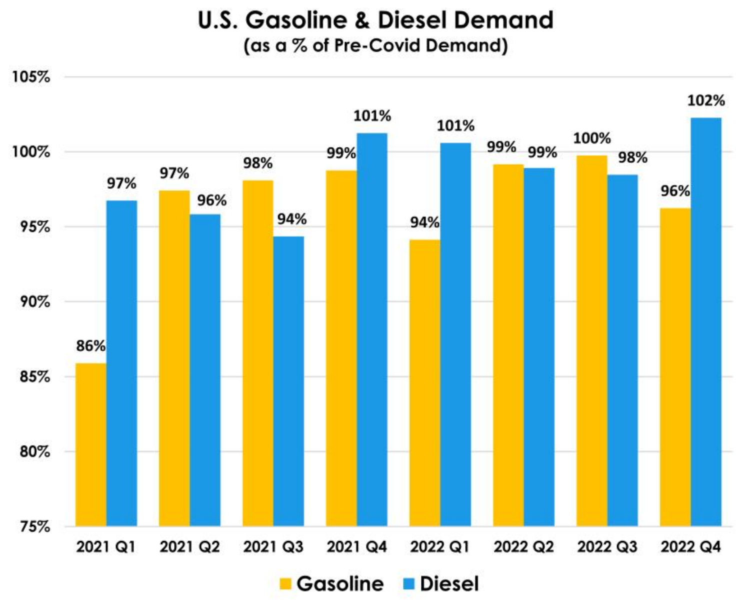
- Ammonia is the basic building block for ammonium nitrate fertilizer, which releases nitrogen, an essential nutrient for growing plants
  - About 90% of the 200 million tons of ammonia (worth about $60 billion in the aggregate) produced each year is used for fertilizer
  - About ½ of the world's food production relies on ammonia
- Traditional fossil-fuel ammonia production is estimated to contribute about 1.6% of global GHG emissions, which has driven interest in its de-carbonization
  - "Blue" ammonia is produced with natural gas, but the associated emissions are captured and stored
  - "Green" ammonia is produced using "renewable" electricity to power an electrolyser to extract hydrogen from water and an air separation unit to extract nitrogen from air, which are then combined, through a chemical reaction powered by renewable electricity, to produce ammonia
- In addition, "blue" and "green" ammonia have potential for use as lower-carbon alternative fuels: for engines/turbines to generate electricity, in alkaline fuel cells, as an up-to-70% blend ICE vehicles and for the maritime industry
- Ammonia can also be a lower-cost option for transporting hydrogen, which can be used for fuel cells or other applications, but ammonia is easier to transport and store than hydrogen as it doesn't require cryogenic or high-pressure storage and can be relatively easily cracked to convert it to hydrogen

Sources: Science Magazine, IHS Markit, Argus

Refined Products

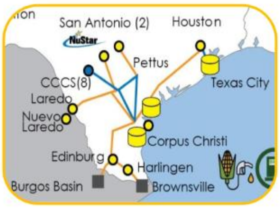
U.S. Gasoline and Diesel Demand Have Continued to Rebound in 2021

- Gasoline demand in the United States recovered throughout 2021 and is on track to remain near pre-Covid levels in 2022
- Diesel demand has reached pre-Covid levels starting in the fourth quarter of 2021 and is expected stay on track through 2022, despite the recent Omicron variant surge



Source: ESAI

Our Refined Products Systems Serve Key Markets Across the Midcontinent and Texas…



Midcontinent Systems-

★ CENTRAL EAST: A 2,500-mile open pipeline system with multiple delivery options

- *East Pipeline* – This system serves important markets across the Midwest/West, with flexible refined product supply from refineries in McPherson, Kansas, El Dorado, Kansas and Ponca City, Oklahoma
- *North Pipeline* – System flows from North Dakota to the Twin Cities, serving both rural markets and large cities with refined product supply from Mandan, North Dakota refinery

★ CENTRAL WEST: Comprised of over 2,200 miles of pipeline with structural exclusivity, serving markets in Texas and nearby states supplied from the McKee, Texas refinery

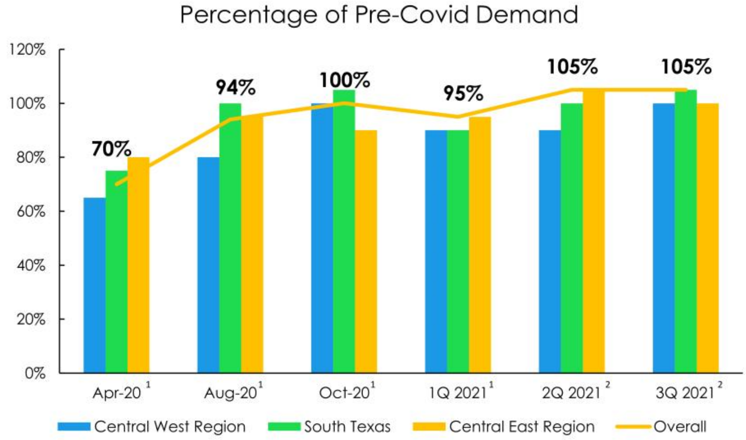
South Texas Systems-

★ Around 700 miles of pipeline with structural exclusivity, primarily serving markets in Texas and northern Mexico supplied from refineries located in Corpus Christi and Three Rivers, Texas

Refined Products

... And Our Markets Have Proven Resilient (and are Expected to Continue to See Strong, Consistent Demand)

Total Refined Products



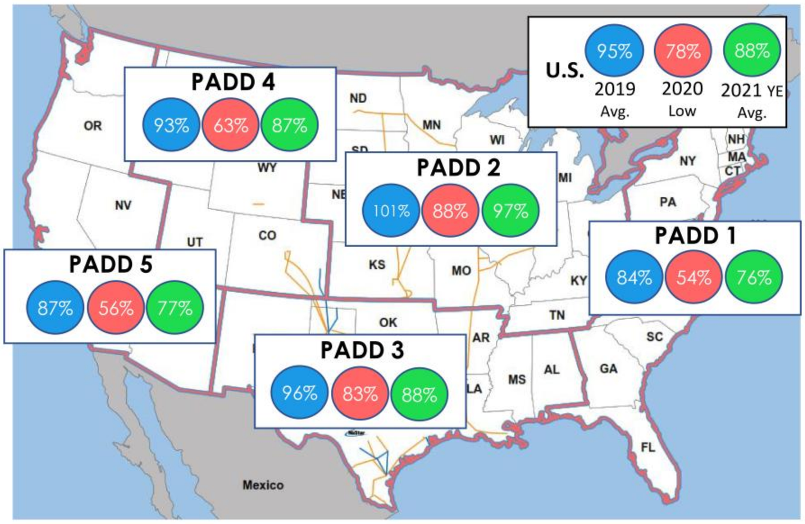
- Our resilient asset base recovered quickly from April 2020's pandemic low
- Our refined product throughputs are up **16%** over 3Q 2020 and up a strong **8%** over 3Q 2019
- 4Q21 throughputs were approximately **100%** of our late 2019 (pre-Covid) levels

1 - Comparison of year-over-year demand; includes on-road product demand in our storage system
2 – Comparison of 2Q 2019 versus 2Q 2021 and 3Q 2019 versus 3Q 2021; includes on-road product demand in our storage system

Refined Products | Crude Supply/Export

U.S. Refinery Utilization has Risen Along With Rebounding Product Demand

U.S. Refinery Utilization (by PADD, 2019-2021)



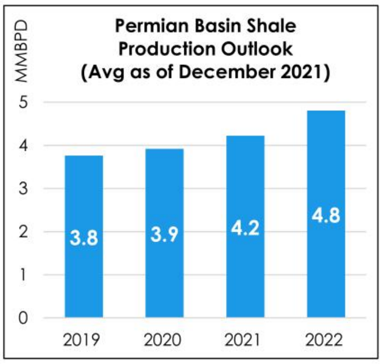
- ★ As expected, at the end of 2021, U.S. refinery utilization reached 88%
- ★ USGC refiners' location is expected to continue to provide several advantages, relative to other U.S. regions:
  - Better access to lower-priced natural gas, which should mitigate seasonal volatility
  - Capacity to upgrade heavy fuel oil
  - Better access to export markets for refined products

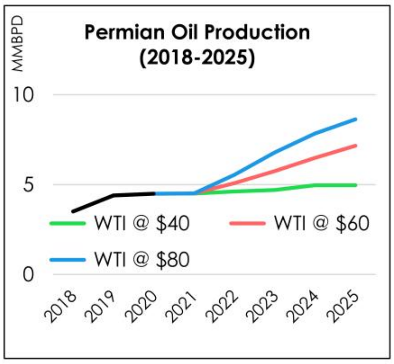
Source: ESAI

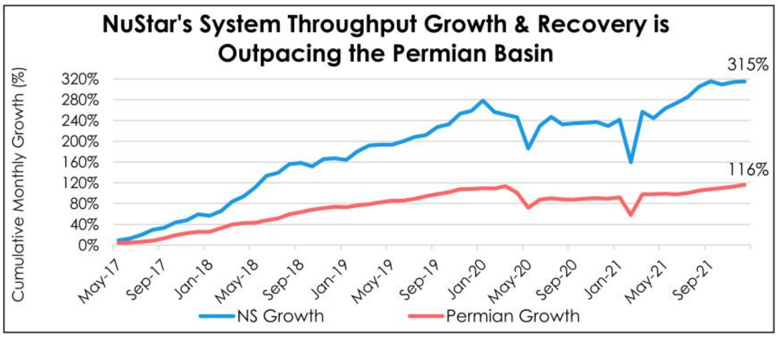
Crude Supply/Export

The Permian Basin is Leading U.S. Shale Rebound, With Our Permian System Continuing to Outperform

- Because of its superior geology and low breakeven costs, the Permian Basin's shale production:
  - Exited 2021 at 4.6 MMBPD, representing approximately 58% of the nation's total shale output
  - Projected to exit 2022 at 4.9 MMBPD, representing 6% growth compared to 2021 exit
- Our system's throughput volumes are now up 45% above Covid lows, while the rest of the Permian is up 25% from Covid lows
- We exited 2021 at approximately 520 MBPD (above our guidance of 514 MBPD)



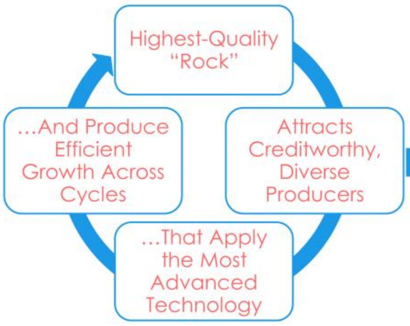


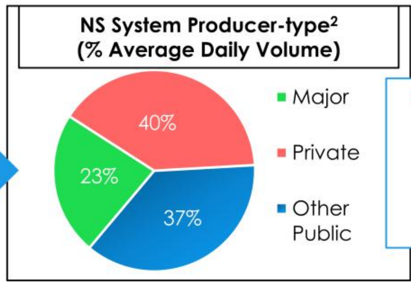


Source: EIA Drilling Productivity Report (December 2021), Rystad, ESAI

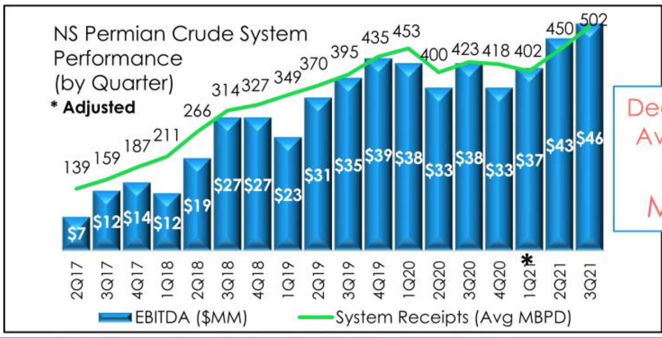
Our "Core of the Core" Location has Attracted Top-Tier Customers Whose Activity is Supporting Steady Growth

- ★ The quality of geological formations underlying our system attracts the strongest customers
  - Our creditworthy customers include majors and the most prolific E&Ps, both private and public, in the basin, as well as large independent refiners and marketers
  - ~72% of our system's revenue is generated from investment-grade (IG) rated and Non-IG BB-rated entities[1]





Producer Average Cost of Debt, Weighted by Acreage: 4.2%[3]



December Average: 519 MBPD

- ★ We averaged 516 MBPD in 4Q21(our best quarter since we acquired the system in 2017) and exited 2021 at approximately 520 MBPD
- ★ Our producers have averaged around 20-25 rigs throughout 2021 and have around 20% of the total Permian drilled-uncompleted (DUCs) wells on the system, which provide an important platform for growth

Please see Appendix for reconciliations of non-GAAP financial measures to their most directly comparable GAAP measures

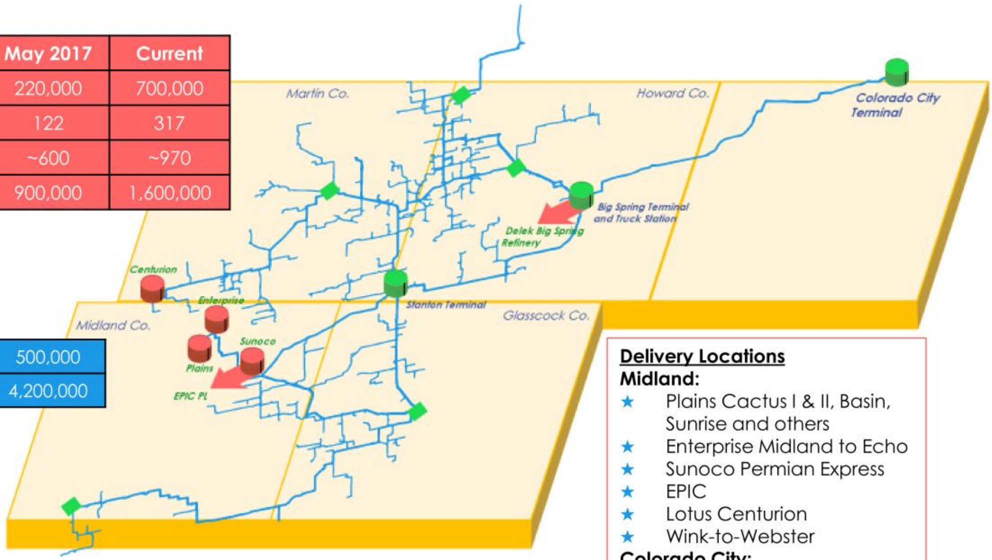
1 – September 30, 2021 YTD
2 – September 30, 2021 MTD
3 – As of January 5, 2022

Crude Supply/Export

Since Completing Our Mainline in 2019, We are now Investing in Pace With Our Producers' Growth

	May 2017	Current
System Capacity	220,000	700,000
Receipt Points	122	317
Pipeline Miles	~600	~970
Storage (bbls)	900,000	1,600,000

Dedicated Acres	500,000
AMI	4,200,000



Third-Party Connections

NuStar Terminals

NuStar Truck Unloading Facilities

Delivery Locations

Midland:
- Plains Cactus I & II, Basin, Sunrise and others
- Enterprise Midland to Echo
- Sunoco Permian Express
- EPIC
- Lotus Centurion
- Wink-to-Webster

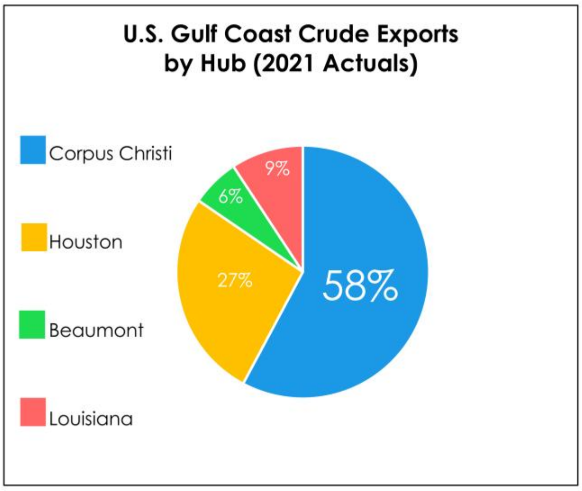
Colorado City:
- Sunoco WTG, Permian Express
- Bridgetex
- Plains Basin
- Sunrise II

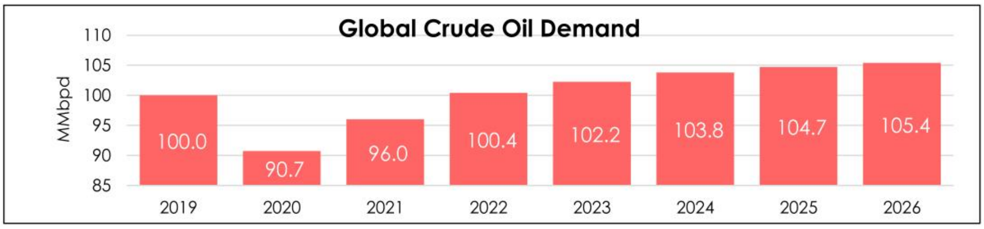
Other:
- Delek Big Spring Refinery

Crude Supply/Export

Global Demand is Expected to Recover in 2022, and Corpus Christi is the Hub Best Positioned to Benefit From Future Growth

- Corpus Christi's share of Gulf Coast crude exports remained steady in 2020 and throughout 2021
  - Corpus Christi continues to be the U.S. premier crude exporter, currently capturing 58% of the USGC export volumes
- Global economic forecasts, taking into consideration higher energy prices, tight supply and the Omicron variant, project U.S. crude export returning to pre-pandemic levels in the second half of 2022
- The Port of Corpus Christi's expansion project, along with the resilience and strength of Permian Basin production growth and recovering global crude demand, is expected to solidify Corpus Christi's position as the U.S.'s primary crude oil export hub in 2022 and beyond





Source: RBN Energy, ESAI

Crude Supply/Export

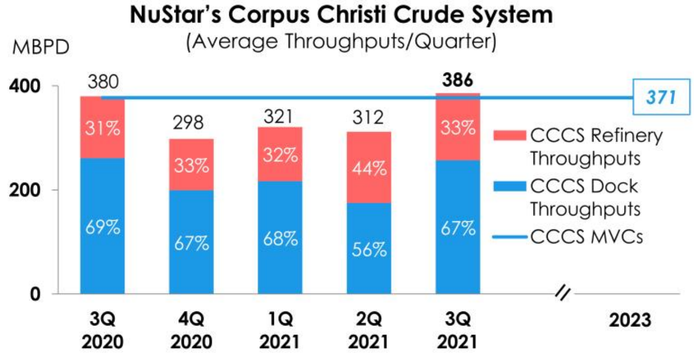
Our Corpus Christi Crude System's MVCs- for Export and Local Refinery Supply- Provide Strength & Stability

★ The heart of our Corpus Christi Crude System is our North Beach Terminal, which receives barrels from our South Texas Crude Oil Pipeline System, our 12" Three Rivers Supply Pipeline and our 30" pipeline from Taft, as well as from third-party pipeline connections

In-bound Capacity	***Storage Capacity***	***Outbound Capacity***
TOTAL: 1.2MMBPD • South Texas Crude System 16" Pipeline - 240MBPD • Taft 30"- 720MBPD and expandable • Harvest 16" Pipeline - 240MBPD	TOTAL: 3.9MMbbl • *Potential expansion 0.4MMbbl*	TOTAL: 1.2MMBPD • EXPORT DOCKS- 750MBPD to 1.0MMBPD • REFINERY SUPPLY- 220MBPD

★ Unlike most other midstream operators in the Port of Corpus Christi, NuStar provides unparalleled optionality for marine exports *and* extensive connectivity to local refineries

★ U.S. shale production growth and improving global demand will drive the recovery and growth in our CCCS volumes



Crude Supply/Export

Our St. James Facility's Storage and Extensive Connectivity, via Pipeline, Marine and Rail, Position NuStar for Growth

Pipeline

Connections:
- ✓ 48" LOCAP – 2.0MMBPD
- ✓ 40" Capline Reversal (currently in-service) – 102MBPD
- ✓ 24" Bayou Bridge – 456MBPD
- ✓ 20" Ship Shoal – 360MBPD
- ✓ 18" Zydeco – 360MBPD
- ✓ 16" Crimson Bonefish – 108MBPD
- ✓ 30" Marathon Garyville – 530MBPD
- ✓ 24" Maurepas Pipeline – 380MBPD
- ✓ 24" XOM Baton Rouge – 350MBPD
- ✓ 16" XOM North Line – 150MBPD

- In 2019, Bayou Bridge began bringing WTI light, Bakken and Canadian barrels
- In January 2022, Capline owners reversed its service to bring heavy Canadian crude for use in regional refineries and export

Marine

Three Docks:
- ✓ Dock 1 – inland barge dock (bi-directional)
- ✓ Dock 2 – ship dock (bi-directional) Aframax capable
- ✓ Dock 5 – ship dock (receipt only) Light-Loaded Suezmax capable

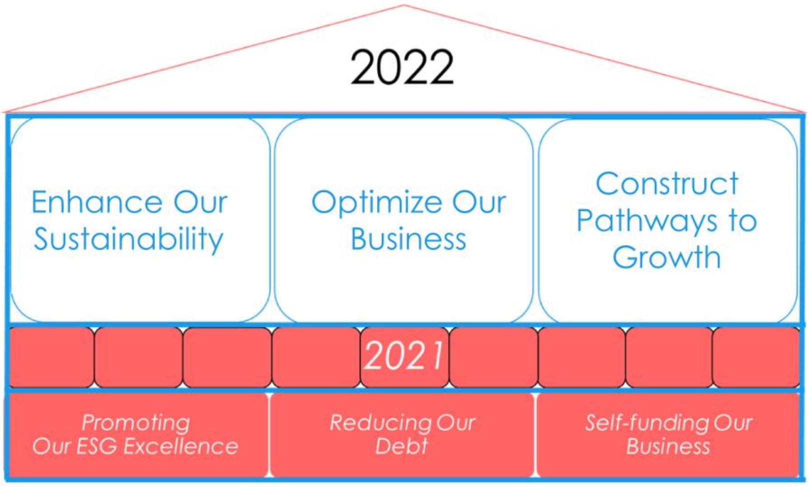
- Growth in global demand and North American crude production will drive increased export opportunities
- We expect to be able to expand to 34MBPH with modest capital spend and our current loading capacity is 20MBPH

Rail

Two Unit Train Facilities:
- ✓ 240 unloading spots with track to store four additional unit trains
- ✓ Capable of unloading light, sweet crude oil at 18MBPH and heavy diluted crude oil at 8MBPH
- ✓ Strong customer interest in developing steam to facilitate unloading different grades of oil

- We have customer commitments for 30MBPD through April 2022, and we are currently negotiating renewals that include unit train optionality

In 2022, We Plan to Build on the Foundation We Have Laid to Best Position Ourselves for the Future



★ Recognizing the increasing constraints, as well as the inherent opportunities, presented by the energy transition, we will plan to build on the strong, resilient foundation we have continued to build in 2021:

- Measure and reduce GHG emissions, continue to enhance our sustainability and inform our stakeholders,
- Optimize across our business to maximize our financial independence, and
- Build resilience through innovative growth opportunities across our footprint

APPENDIX

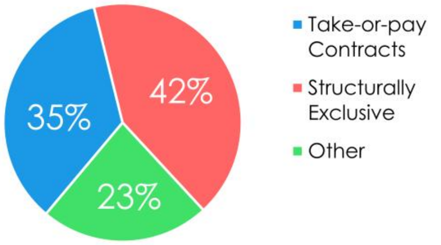
NuStar By-the-numbers

- Common Unit Price[1]: $16.42
- Distribution/CU/Year: $1.60
- Yield[1]: 9.7%
- Market Cap[1]: ~$1.8 billion
- Credit Ratings:
  - *Moody's: Ba3 (Stable)*
  - *S&P: BB- (Stable)*
  - *Fitch: BB- (Stable)*
- Enterprise Value[1]: ~$6.5 billion
- Total Assets: ~$5.5 billion
- Pipeline Miles: ~10,000
- Pipeline Volumes[2]: 2.0MMBPD
- Storage Capacity: ~57MMB
- Storage Throughput Volumes[2]: 462MBPD

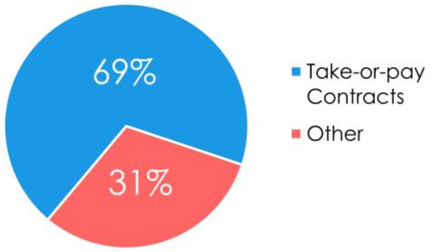
1. As of January 7, 2022
2. Average daily volume for the quarter ended September 30, 2021

Long-term Commitments From Creditworthy Customers

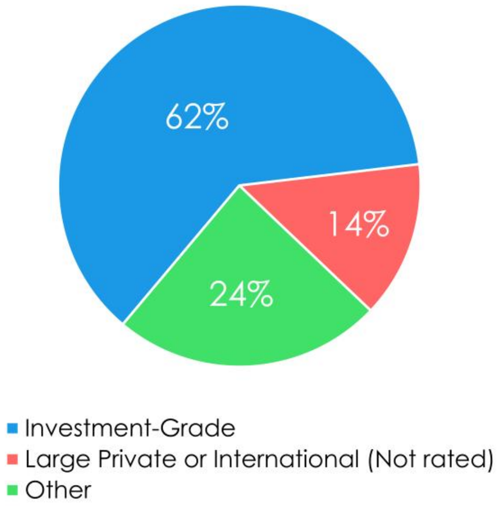
Pipeline Segment Contracted[1] Revenues
(% 2021 Projections)



Storage Segment Contracted Revenues
(% 2021 Projections)



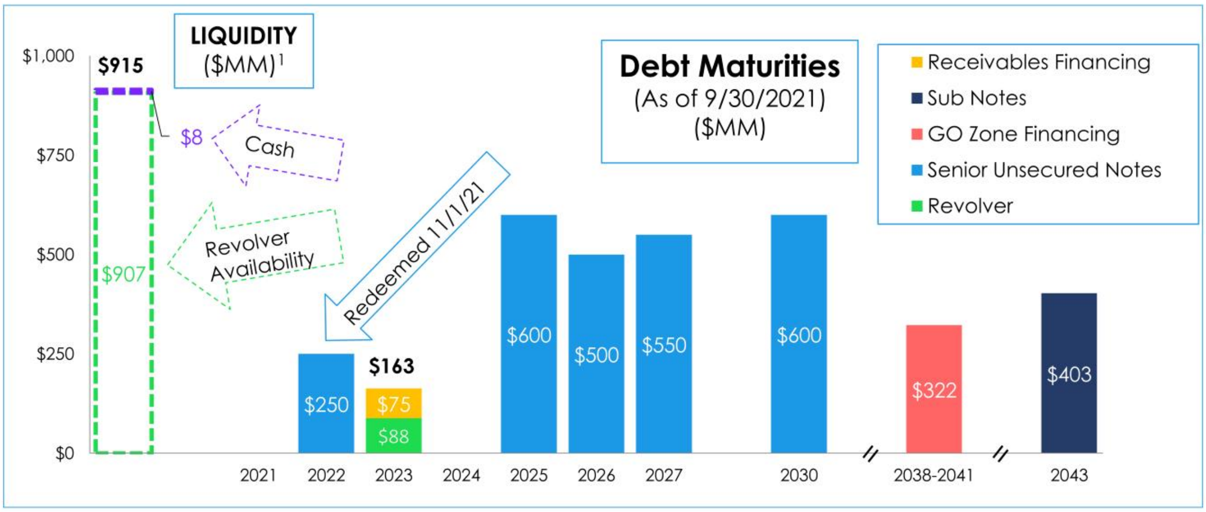
NuStar Investment-Grade (IG) Customers
(% Pipeline/Storage 2021 Expected Revenues)



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

Liquidity and Debt Maturity Schedule

- In March 2020, we extended our revolver term through October 2023
- In September 2020, we issued two $600 million tranches of five-year and 10-year senior unsecured notes maturing in 2025 and 2030
  - We utilized the proceeds to repay our debt
- We utilized cash flows and our revolver to pay-off our February 2021 bond maturities, and we utilized proceeds from the sale of the Eastern U.S. Terminals to pay-off our February 2022 bond maturities in November 2021



1 – Liquidity as of September 30, 2021

Capital Structure as of September 30, 2021 ($ in Millions)

$1.0B Credit Facility	$ 88
NuStar Logistics Notes (4.75%)[1]	250
NuStar Logistics Notes (5.625%)	550
NuStar Logistics Notes (5.75%)	600
NuStar Logistics Notes (6.00%)	500
NuStar Logistics Notes (6.375%)	600
NuStar Logistics Sub Notes	403
GO Zone Bonds	322
Receivables Financing	75
Finance Lease Liability	52
Other	(39)
Total Debt	**$3,401**

Common Equity and AOCI	$229
Series A, B and C Preferred Units	$756
Series D Preferred Units	$612
Total Equity[2]	**1,597**
Total Capitalization	**$4,998**

★ **As of September 30, 2021:**
- Credit facility availability ~$907MM
- Debt-to-EBITDA ratio[3] 4.10x

1 - On November 1, 2021, we redeemed $250 million of 4.75% senior notes due February 1,2022
2 - Total Equity includes Partners' and Mezzanine Equity (Series D Preferred Units)
3 - Please see Appendix 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. We may also adjust these measures and/or calculate them based on continuing operations, to enhance the comparability of our performance across periods.

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 EBITDA, DCF and a distribution coverage ratio, which is calculated based on DCF, as some of the factors in its compensation determinations. DCF is 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 periods 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.

Included in the tables below are the following items: In the the third quarter of 2021, we recorded a non-cash asset impairment loss of $95.7 million and a non-cash goodwill impairment loss of $34.1 million associated with our Eastern U.S. Terminal Operations, which were sold in October 2021 and classified as held for sale as of September 30, 2021, a non-cash asset impairment loss of $59.2 million related to our Houston pipeline and a gain from insurance recoveries of $9.4 million related to damage caused by a fire in 2019 at our Selby terminal. In the third quarter of 2020, we recognized a loss on extinguishment of debt of $137.9 million related to the repayment of our $750.0 million unsecured term loan credit agreement on September 16, 2020. In the first quarter of 2020, we recorded a non-cash goodwill impairment loss of $225.0 million related to our crude oil pipelines reporting unit, which includes $126.0 million related to our Permian Crude System.

Reconciliation of Non-GAAP Financial Information (continued)

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

	Three Months Ended								
	June 30, 2017	Sept. 30, 2017	Dec. 31, 2017	Mar. 31, 2018	June 30, 2018	Sept. 30, 2018	Dec. 31, 2018	Mar. 31, 2019	June 30, 2019
Operating (loss) income	$ (3,424)	$ 1,050	$ 650	$ (1,847)	$ 3,605	$ 11,546	$ 10,878	$ 5,358	$ 13,543
Depreciation and amortization expense	10,227	11,005	13,165	13,477	15,059	15,235	16,589	17,647	17,182
EBITDA	6,803	12,055	13,815	11,630	18,664	26,781	27,467	23,005	30,725
Goodwill impairment loss	—	—	—	—	—	—	—	—	—
Adjusted EBITDA	$ 6,803	$ 12,055	$ 13,815	$ 11,630	$ 18,664	$ 26,781	$ 27,467	$ 23,005	$ 30,725

	Three Months Ended								
	Sept. 30, 2019	Dec. 31, 2019	Mar. 31, 2020	June 30, 2020	Sept. 30, 2020	Dec. 31, 2020	Mar. 31, 2021	June 30, 2021	Sept. 30, 2021
Operating income (loss)	$ 17,280	$ 21,132	$ (106,476)	$ 14,481	$ 17,627	$ 13,523	$ 16,912	$ 22,767	$ 25,515
Depreciation and amortization expense	18,114	18,154	18,606	18,928	20,115	19,579	19,694	19,843	20,035
EBITDA	35,394	39,286	(87,870)	33,409	37,742	33,102	36,606	42,610	45,550
Goodwill impairment loss	—	—	126,000	—	—	—	—	—	—
Adjusted EBITDA	$ 35,394	$ 39,286	$ 38,130	$ 33,409	$ 37,742	$ 33,102	$ 36,606	$ 42,610	$ 45,550

The following are reconciliations of net loss to adjusted net income (in thousands of dollars):

	Three Months Ended September 30,	
	2021	2020
Net loss	$ (124,933)	$ (96,640)
Asset impairment losses	154,908	—
Goodwill impairment loss	34,060	—
Gain from insurance recoveries	(9,372)	—
Loss on extinguishment of debt	—	137,904
Other	—	3,963
Adjusted net income	$ 54,663	$ 45,227

Reconciliation of Non-GAAP Financial Information (continued)

The following is a reconciliation of net loss to EBITDA, DCF and adjusted DCF (in thousands of dollars):

	Three Months Ended September 30,	
	2021	2020
Net loss	$ (124,933)	$ (96,640)
Interest expense, net	53,513	64,165
Income tax expense (benefit)	685	(1,783)
Depreciation and amortization expense	68,007	72,585
EBITDA	(2,728)	38,327
Interest expense, net	(53,513)	(64,165)
Reliability capital expenditures	(10,806)	(7,279)
Income tax (expense) benefit	(685)	1,783
Long-term incentive equity awards (a)	2,730	2,416
Preferred unit distributions	(31,889)	(31,888)
Asset Impairment losses	154,908	—
Goodwill impairment loss	34,060	—
Other items	(10)	6,856
DCF	92,067	(53,950)
Loss on extinguishment of debt	—	137,904
Adjusted DCF	$ 92,067	$ 83,954

(a) We intend to satisfy the vestings of these equity-based awards with the issuance of our common 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.

Reconciliation of Non-GAAP Financial Information (continued)

The following is the reconciliation for the calculation of our Consolidated Debt Coverage Ratio, as defined in our revolving credit agreement (the Revolving Credit Agreement) (in thousands of dollars, except ratio data):

	For the Four Quarters Ended September 30, 2021	For the Four Quarters Ended September 30, 2020	Projected for the Year Ended December 31, 2021
Operating income	$ 239,125	$ 228,742	$ 225,000 - 245,000
Depreciation and amortization expense	280,233	284,846	270,000 - 278,000
Asset impairment losses	154,908	—	155,000
Goodwill impairment losses	34,060	225,000	34,000
Equity awards (a)	13,842	12,424	12,000 - 15,000
Other	5,814	12,727	(13,000) - (3,000)
Consolidated EBITDA, as defined in the Revolving Credit Agreement	$ 727,982	$ 763,739	$ 683,000 - 724,000
Total consolidated debt	$ 3,387,240	$ 3,585,140	$ 3,100,000 - 3,300,000
NuStar Logistics' floating rate subordinated notes	(402,500)	(402,500)	(402,500)
Available Cash Netting Amount, as defined in the Revolving Credit Agreement	—	(30,494)	—
Consolidated Debt, as defined in the Revolving Credit Agreement	$ 2,984,740	$ 3,152,146	$ 2,697,500 - 2,897,500
Consolidated Debt Coverage Ratio (Consolidated Debt to Consolidated EBITDA)	4.10x	4.13x	3.95x - 4.0x

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

Reconciliation of Non-GAAP Financial Information (continued)

The following is a reconciliation of net income to EBITDA, adjusted EBITDA, adjusted DCF and adjusted distribution coverage ratio (in thousands of dollars, except ratio data):

	Projected for the Year Ended December 31, 2021
Net income	$ 23,000 - 32,000
Interest expense, net	210,000 - 220,000
Income tax expense	2,000 - 5,000
Depreciation and amortization expense	270,000 - 278,000
EBITDA	505,000 - 535,000
Asset impairment losses	155,000
Goodwill impairment loss	34,000
Gain from insurance recoveries	(9,000)
Adjusted EBITDA	685,000 - 715,000
Interest expense, net	(210,000 - 220,000)
Reliability capital expenditures	(35,000 - 45,000)
Income tax expense	(2,000 - 5,000)
Long-term incentive equity awards (a)	12,000 - 15,000
Preferred unit distributions	(125,000 - 130,000)
Other	15,000 - 20,000
Adjusted DCF	$ 340,000 - 350,000
Distributions applicable to common limited partners	$ 175,000 - 178,000
Adjusted distribution coverage ratio (b)	1.9x - 2.0x

(a) We intend to satisfy the vestings of these equity-based awards with the issuance of our common 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.

(b) Adjusted distribution coverage ratio is calculated by dividing adjusted DCF by distributions applicable to common limited partners.

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