

Energy Transfer Partners, L.P.

Form 424B3

March 28, 2011

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The information in this preliminary prospectus supplement is not complete and may be changed. This preliminary prospectus supplement and the attached prospectus are not an offer to sell these securities, and we are not soliciting an offer to buy these securities, in any jurisdiction where the offer or sale is not permitted.

**Filed Pursuant to Rule 424(b)(3)
Registration No. 333-171697**

***SUBJECT TO COMPLETION, DATED MARCH 28, 2011
PRELIMINARY PROSPECTUS SUPPLEMENT
TO PROSPECTUS DATED JANUARY 13, 2011***

***11,750,000 Common Units
Representing Limited Partner Interests***

Energy Transfer Partners, L.P.

We are selling 11,750,000 common units representing limited partner interests.

Our common units are listed on the New York Stock Exchange under the symbol ETP. The last reported sale price of our common units on the NYSE on March 25, 2011 was \$53.13 per common unit.

Investing in our common units involves risks. See Risk Factors on page S-11 of this prospectus supplement and beginning on page 4 of the accompanying prospectus.

	<i>Price to Public</i>	<i>Underwriting Discounts and Commissions</i>	<i>Proceeds to ETP (before expenses)</i>
Per Common Unit	\$	\$	\$
Total	\$	\$	\$

The underwriters have an option to purchase a maximum of 1,762,500 additional common units to cover over-allotments.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved these securities or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

Delivery of the common units will be made on or about March , 2011.

Joint Book-Running Managers

MORGAN STANLEY

BofA MERRILL LYNCH

CITI

BARCLAYS CAPITAL

CREDIT SUISSE

WELLS FARGO SECURITIES

J.P. MORGAN

Co-Managers

RBC CAPITAL MARKETS

UBS INVESTMENT BANK

MADISON WILLIAMS AND COMPANY

MORGAN KEEGAN & COMPANY, INC.

OPPENHEIMER & CO.

March , 2011

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ABOUT THIS PROSPECTUS SUPPLEMENT

This document is in two parts. The first part is the prospectus supplement, which describes the specific terms of this offering of common units. The second part is the accompanying prospectus, which gives more general information, some of which may not apply to the common units. Generally, when we refer only to the prospectus, we are referring to both parts combined. If the information relating to the offering varies between the prospectus supplement and the accompanying prospectus, you should rely on the information in this prospectus supplement.

You should rely only on the information contained in this prospectus supplement, the accompanying prospectus, any free writing prospectus we may authorize to be delivered to you and the documents we have incorporated by reference. Neither we nor the underwriters have authorized anyone else to give you additional or different information. We are not offering the common units in any jurisdiction where the offer and sale is not permitted. You should not assume that the information in this prospectus supplement, in the accompanying prospectus or any free writing prospectus we may authorize to be delivered to you is accurate as of any date other than the date on the front of those documents. You should not assume that any information contained in the documents incorporated by reference in this prospectus supplement or the accompanying prospectus is accurate as of any date other than the respective dates of those documents. Our business, financial condition, results of operations and prospects may have changed since those dates.

None of Energy Transfer Partners, L.P., the underwriters or any of their respective representatives is making any representation to you regarding the legality of an investment in our common units by you under applicable laws. You should consult with your own advisors as to legal, tax, business, financial and related aspects of an investment in the common units.

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PROSPECTUS SUPPLEMENT SUMMARY

This summary highlights information included or incorporated by reference in this prospectus supplement. It does not contain all of the information that may be important to you. You should read carefully the entire prospectus supplement, the accompanying prospectus, the documents incorporated by reference and the other documents to which we refer herein for a more complete understanding of our business and the terms of this offering, as well as the tax and other considerations that are important to you in making your investment decision.

Unless the context otherwise requires, references to (1) Energy Transfer, ETP, we, us, our and similar terms, as well as references to the Partnership, are to Energy Transfer Partners, L.P. and all of its operating limited partnerships and subsidiaries and (2) ETE are to Energy Transfer Equity, L.P., the owner of our general partner. Unless we indicate otherwise, the information presented in this prospectus supplement assumes that the underwriters do not exercise their option to purchase additional common units.

Energy Transfer Partners, L.P.

Overview

We are a publicly traded limited partnership that owns and operates a diversified portfolio of energy assets. Our natural gas operations include intrastate natural gas gathering and transportation pipelines, two interstate pipelines, natural gas gathering, processing and treating assets located in Texas, New Mexico, Arizona, Louisiana, Arkansas, Mississippi, West Virginia, Colorado and Utah, and three natural gas storage facilities located in Texas. These assets include more than 17,500 miles of pipeline in service and a 50% interest in a joint venture that has approximately 185 miles of interstate pipeline in service. Our intrastate and interstate pipeline systems transport natural gas from several significant natural gas producing areas, including the Barnett Shale in the Fort Worth Basin in north Texas, the Bossier Sands in east Texas, the Permian Basin in west Texas and New Mexico, the Eagle Ford Shale in south and central Texas, the San Juan Basin in New Mexico, the Fayetteville Shale in Arkansas, and the Haynesville Shale in north Louisiana. Our gathering and processing operations are conducted in many of these same producing areas as well as in the Piceance and Uinta Basins in Colorado and Utah. We are also one of the three largest retail marketers of propane in the United States, serving more than one million customers across the country.

We have experienced substantial growth over the last several years through a combination of internal growth projects and strategic acquisitions. Our internal growth projects consist primarily of the construction of natural gas transmission pipelines, both intrastate and interstate. From September 1, 2003 through December 31, 2010, we made growth capital expenditures, excluding capital contributions made in connection with the Midcontinent Express Pipeline and Fayetteville Express Pipeline joint ventures, of approximately \$6.3 billion, of which approximately \$5.0 billion was related to natural gas transmission pipelines. We have budgeted growth capital expenditures of \$775 million to \$885 million for 2011. These amounts do not include capital contributions that we may make to the Fayetteville Express Pipeline joint venture or the ETP-Regency Midstream Holdings, LLC joint venture described below under Recent Developments. Primarily as a result of these internal growth projects and acquisitions, we have increased our cash flow from operating activities from \$162.7 million for the twelve months ended August 31, 2004 to \$1.2 billion for the year ended December 31, 2010. We have also increased our cash distributions from \$0.325 per common unit for the quarter ended November 30, 2003 (\$1.30 per common unit on an annualized basis) to \$0.89375 per common unit for the quarter ended December 31, 2010 (\$3.575 per common unit on an annualized basis), an increase of 175%.

Our Business

Intrastate Transportation and Storage Operations

We own and operate approximately 7,700 miles of intrastate natural gas transportation pipelines and three natural gas storage facilities. We own the largest intrastate pipeline system in the United States. Our intrastate pipeline system interconnects to many major consumption areas in the United States. Our intrastate

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transportation and storage segment focuses on the transportation of natural gas from various natural gas producing areas to major natural gas consuming markets through connections with other pipeline systems. Our intrastate natural gas pipeline system has an aggregate throughput capacity of approximately 14.3 billion cubic feet per day, or Bcf/d, of natural gas. For the year ended December 31, 2010, we transported an average of 12.3 Bcf/d of natural gas through our intrastate natural gas pipeline system. We also provide natural gas storage services for third parties for which we charge storage fees as well as injection and withdrawal fees from the use of our three natural gas storage facilities. Our storage facilities have an aggregate working gas capacity of approximately 74.4 Bcf. In addition to our natural gas storage services, we utilize our Bammel gas storage facility to engage in natural gas storage transactions in which we seek to find and profit from pricing differences that occur over time. These transactions typically involve a purchase of physical natural gas that is injected into our storage facilities and a related sale of natural gas pursuant to financial futures contracts at a price sufficient to cover our natural gas purchase price and related carrying costs and provide for a gross profit margin.

Our intrastate transportation and storage operations accounted for approximately 49% and 56% of our total consolidated operating income for the years ended December 31, 2010 and December 31, 2009, respectively.

Based primarily on the increased drilling activities and increased natural gas production in the Barnett Shale in north Texas, the Bossier Sands in east Texas and the Eagle Ford Shale in south Texas, we have pursued a significant expansion of our natural gas pipeline system in order to provide greater transportation capacity from these natural gas supply areas to markets for natural gas. This expansion initiative, which has resulted in the completion of approximately 1,000 miles of large diameter pipeline ranging from 20 inches to 42 inches with approximately 9.7 Bcf/d of natural gas transportation capacity, includes the following pipeline projects:

In April 2007, we completed the 243-mile pipeline from Cleburne in north Texas to Carthage in east Texas, which we refer to as the Cleburne to Carthage pipeline, to expand our capacity to transport natural gas produced from the Barnett Shale and the Bossier Sands to our Texoma pipeline and other pipeline interconnections. The Cleburne to Carthage pipeline is primarily a 42-inch diameter natural gas pipeline. In December 2007, we completed two natural gas compression projects that added approximately 90,000 horsepower on the Cleburne to Carthage pipeline, increasing our natural gas deliverability at the Carthage Hub to more than 2.0 Bcf/d.

In April 2008, we completed our approximately 150-mile Southeast Bossier 42-inch natural gas pipeline, which we refer to as the Southeast Bossier pipeline. This pipeline connects our Cleburne to Carthage pipeline and our East Texas pipeline to our Texoma pipeline. The Southeast Bossier pipeline has an initial throughput capacity of 900 million cubic feet per day, or MMcf/d, that can be increased to 1.3 Bcf/d with the addition of compression. The Southeast Bossier pipeline increases our takeaway capacity from the Barnett Shale and Bossier Sands and provides increased market access for natural gas produced in these areas.

In July 2008, we completed our 36-inch Paris Loop natural gas pipeline expansion project in north Texas. This 135-mile pipeline initially provided us with an additional 400 MMcf/d of capacity out of the Barnett Shale, which increased to 900 MMcf/d in May 2009. The Paris Loop originates near Eagle Mountain Lake in northwest Tarrant County, Texas and connects to our Houston Pipe Line system near Paris, Texas.

In August 2008, we completed an expansion of our Cleburne to Carthage pipeline from the Texoma pipeline interconnect to the Carthage Hub through the installation of 32 miles of 42-inch pipeline. This expansion, which we refer to as the Carthage Loop, added 500 MMcf/d of pipeline capacity from Cleburne to the Carthage Hub. In September 2009, we increased the capacity of the Carthage Loop to 1.1 Bcf/d by adding compression to this pipeline.

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In August 2008, we completed the first segment of our 36-inch Maypearl to Malone natural gas pipeline expansion project. This 25-mile pipeline extends from Maypearl, Texas to Malone, Texas, and provides an additional 600 MMcf/d of capacity out of the Fort Worth Basin.

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In January 2009, we completed our Southern Shale natural gas pipeline project, which consists of 31 miles of 36-inch pipeline that originates in southern Tarrant County, Texas and delivers natural gas to our Maypearl to Malone pipeline expansion project. The Southern Shale pipeline provides an additional 700 MMcf/d of takeaway capacity from the Barnett Shale.

In January 2009, we completed our 36-inch Cleburne to Tolar natural gas pipeline expansion project. This 20-mile pipeline extends from Cleburne, Texas to Tolar, Texas and provides an additional 400 MMcf/d of takeaway capacity from the Barnett Shale.

In February 2009, we completed our 56-mile Katy Expansion pipeline project. This 36-inch expansion project increased the capacity of our existing ETC Katy natural gas pipeline in southeast Texas by more than 400 MMcf/d.

In August 2009, we completed our Texas Independence Pipeline, which consists of 143 miles of 42-inch pipeline originating near Maypearl, Texas and ending near Henderson, Texas. This pipeline connects our ET Fuel System and North Texas System with our East Texas pipeline. The Texas Independence Pipeline expands our ET Fuel System's throughput capacity by an incremental 1.1 Bcf/d and, with the addition of compression, the capacity may be expanded to 1.75 Bcf/d.

In December 2010, we completed a 63-mile natural gas pipeline that originates in Shelby County, Texas, and terminates in Nacogdoches County, Texas. This pipeline, which we refer to as the Lumberjack Pipeline, was placed into partial service in August 2010, and full service began in December 2010. This project consists of 20- and 24-inch pipe and has an initial capacity of 645 MMcf/d. The pipeline interconnects with two interstate pipelines in addition to our Houston Pipe Line system.

In December 2010, we completed a 50-mile, 24-inch pipeline that originates in northwest Webb County, Texas and extends to our existing Houston Pipe Line rich gas gathering system in eastern Webb County, Texas. The project, which we refer to as the Dos Hermanas Pipeline, has a capacity of approximately 400 MMcf/d. As part of the project, approximately 6,000 horsepower of compression will be added to the Houston Pipe Line system.

In October 2010, we announced plans to construct the Chisholm Pipeline, the initial phase of which will consist of approximately 83 miles of 20-inch pipeline, extending from DeWitt County, Texas to our LaGrange Processing Plant in Fayette County, Texas. The Chisholm Pipeline will have an initial capacity of 100 MMcf/d, with an anticipated capacity expansion exceeding 300 MMcf/d. The project will utilize existing processing capacity at our LaGrange Plant. After processing, the residue volumes will be transported on our Oasis Gas Pipeline system. This initial phase of this pipeline is expected to be in service by the second quarter of 2011.

In February 2011, we announced that we had entered into multiple long-term agreements with shippers to provide additional transportation services from the Eagle Ford Shale located in south Texas. To facilitate these agreements, we will construct a natural gas pipeline, which we refer to as the Rich Eagle Ford Mainline, or REM, a processing plant and additional facilities. The 160-mile, 30-inch REM will have a capacity of 400 MMcf/d, with the ability to expand capacity to 800 MMcf/d. This rich gas gathering system, which is expected to be in service by the fourth quarter of 2011, will originate in Dimmitt County, Texas and extend to our soon to be completed Chisholm Pipeline for ultimate deliveries to our existing processing plants and to a new 120 MMcf/d processing plant.

These pipeline projects are supported by principally fee-based contracts for periods ranging from five to 15 years.

Interstate Transportation Operations

We own and operate the Transwestern pipeline, an open-access natural gas interstate pipeline extending from the gas producing regions of west Texas, eastern and northwest New Mexico, and southern Colorado primarily to pipeline interconnects off the east end of its system and to pipeline interconnects at the California border. Including the recently completed projects described below, Transwestern comprises approximately

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2,700 miles of pipeline with a capacity of 2.1 Bcf/d. The Transwestern pipeline has access to three significant gas basins: the Permian Basin in west Texas and eastern New Mexico, the San Juan Basin in northwest New Mexico and southern Colorado, and the Anadarko Basin in the Texas and Oklahoma panhandle. Natural gas sources from the San Juan Basin and surrounding producing areas can be delivered eastward to Texas intrastate and mid-continent connecting pipelines and natural gas market hubs as well as westward to markets like Arizona, Nevada and California. Transwestern's customers include local distribution companies, producers, marketers, electric power generators and industrial end-users.

During 2007, we initiated the Phoenix project, consisting of 260 miles of 42-inch and 36-inch pipeline lateral, with a throughput capacity of 500 MMcf/d, connecting the Phoenix area to Transwestern's existing mainline at Ash Fork, Arizona. The Phoenix lateral pipeline was completed in February 2009.

During the third quarter of 2008, we completed the San Juan Loop pipeline, a 26-mile loop that provides an additional 375 MMcf/d of capacity to Transwestern's existing San Juan lateral. This expansion project supports the Phoenix project by providing additional throughput capacity from the San Juan Basin natural gas producing area to Transwestern's primary transmission pipeline to supply natural gas for the Phoenix lateral pipeline.

In October 2008, we entered into a 50/50 joint venture with Kinder Morgan Energy Partners, L.P., or KMP, for the development of the Fayetteville Express Pipeline, an approximately 185-mile 42-inch pipeline that will originate in Conway County, Arkansas, continue eastward through White County, Arkansas and terminate at an interconnect with Trunkline Gas Company in Quitman County, Mississippi. In December 2009, Fayetteville Express Pipeline, LLC, or FEP, the entity formed to own and operate this pipeline, received approval of its application for authority from the Federal Energy Regulatory Commission, or FERC, to construct and operate this pipeline. On December 17, 2009, the FERC issued an order granting FEP authorization to construct and operate the pipeline, subject to certain conditions, and FEP accepted the FERC's certificate authorization on December 18, 2009. Construction began on this project in March 2010 and the pipeline was placed in service in December 2010. The pipeline has an initial capacity of 2.0 Bcf/d. FEP has secured binding 10-year commitments for transportation of gas volumes with energy equivalents totaling 1.8 Bcf/d. The new pipeline interconnects with Natural Gas Pipeline Company of America, or NGPL, in White County, Arkansas, Texas Gas Transmission in Coahoma County, Mississippi, and ANR Pipeline Company in Quitman County, Mississippi. NGPL is operated and partially owned by Kinder Morgan, Inc., which owns the general partner of KMP.

In January 2009, we announced that we had entered into an agreement with a wholly-owned subsidiary of Chesapeake Energy Corporation, or Chesapeake, to construct an approximately 175-mile 42-inch interstate natural gas pipeline, which we refer to as the Tiger Pipeline. The pipeline connects to our dual 42-inch pipeline system near Carthage, Texas, extends through the heart of the Haynesville Shale and ends near Delhi, Louisiana, with interconnects to at least seven interstate pipelines at various points in Louisiana. The Tiger Pipeline has an initial throughput capacity of 2.0 Bcf/d, which capacity may be increased up to 2.4 Bcf/d with added compression. The agreement with Chesapeake provides for a 15-year commitment for firm transportation capacity of approximately 1.0 Bcf/d. We have also entered into agreements with EnCana Marketing (USA), Inc., a subsidiary of EnCana Corporation, and other shippers that provide for 10-year commitments for firm transportation capacity on the Tiger Pipeline equal to the full initial design capacity of 2.0 Bcf/d in the aggregate. In April 2010, the FERC approved our application for authority to construct and operate the pipeline, and construction began on this project in June 2010. The Tiger Pipeline was placed in service in December 2010. Additionally, in February 2010, we announced that we had entered into a 10-year commitment for an additional 400 MMcf/d of capacity, bringing the pipeline's long-term contractual commitments to 2.4 Bcf/d. In February 2011, the FERC approved our application for authority to construct and operate an expansion of the Tiger Pipeline to add 400 MMcf/d of capacity. This expansion is expected to be completed in the second half of 2011.

Our interstate pipeline segment formerly included our 50% interest in Midcontinent Express Pipeline, LLC, or MEP, a 50/50 joint venture with KMP that owns the Midcontinent Express Pipeline. The Midcontinent Express Pipeline is an approximately 500-mile interstate natural gas pipeline that originates near Bennington, Oklahoma, routes through Perryville, Louisiana, and terminates at an interconnect with Transcontinental Gas Pipe Line Corporation's interstate natural gas pipeline in Butler, Alabama. The first zone

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of the pipeline was placed in service in April 2009 and the second zone of the pipeline was placed in service in August 2009. On May 26, 2010, we transferred to ETE, in exchange for ETP common units owned by ETE, substantially all of our interest in MEP. ETE, in turn, contributed the MEP interest to Regency Energy Partners LP, or Regency, in exchange for 26.3 million Regency common units. As of March 25, 2011, we held a 0.1% interest in MEP.

Our interstate transportation segment accounted for approximately 13% and 12% of our total consolidated operating income for the years ended December 31, 2010 and December 31, 2009, respectively.

Midstream Operations

We own and operate approximately 7,000 miles of in-service natural gas gathering pipelines, three natural gas processing plants, 17 natural gas treating facilities, and ten natural gas conditioning facilities. Our midstream segment focuses on the gathering, compression, treating, blending, processing and marketing of natural gas, and our operations are currently concentrated in major producing basins, including the Barnett Shale in north Texas, the Bossier Sands in east Texas, the Austin Chalk trend and Eagle Ford Shale in south and southeast Texas, the Permian Basin in west Texas, the Piceance and Uinta Basins in Colorado and Utah and the Haynesville Shale in north Louisiana. Many of our midstream assets are integrated with our intrastate transportation and storage assets.

Our midstream segment accounted for approximately 21% and 12% of our total consolidated operating income for the years ended December 31, 2010 and December 31, 2009, respectively.

Retail Propane Operations

We are one of the three largest retail propane marketers in the United States, serving more than one million customers across the country. Our propane operations extend from coast to coast with concentrations in the western, upper midwestern, northeastern and southeastern regions of the United States. Our propane business has grown primarily through acquisitions of retail propane operations and, to a lesser extent, through internal growth.

Our retail propane operations accounted for approximately 17% and 20% of our total consolidated operating income for the years ended December 31, 2010 and December 31, 2009, respectively. The retail propane segment is a margin-based business in which gross profits depend on the excess of sales price over propane supply cost. The market price of propane is often subject to volatile changes as a result of supply or other market conditions over which we have no control.

Our propane business is largely seasonal and dependent upon weather conditions in our service areas. Historically, approximately two-thirds of our retail propane volume and substantially all of our propane-related operating income are attributable to sales during the six-month peak-heating season of October through March. This generally results in higher operating revenues and net income in the propane segment during the period from October through March of each year, and lower operating revenues and either net losses or lower net income during the period from April through September of each year. Cash flow from operations is generally greatest during the period from December to May of each year when customers pay for propane purchased during the six-month peak-heating season. Sales to commercial and industrial customers are much less weather sensitive.

Business Strategy

Our business strategy is to increase unitholder distributions and the value of our common units. We believe we have engaged, and will continue to engage, in a well-balanced plan for growth through acquisitions, internally generated expansion, and measures aimed at increasing the profitability of our existing assets.

We intend to continue to operate as a diversified, growth-oriented master limited partnership with a focus on increasing the amount of cash available for distribution on each common unit. We believe that by pursuing independent operating and growth strategies for our natural gas operations and retail propane business, we will be best positioned to achieve our objectives.

We expect that acquisitions in natural gas operations will be the primary focus of our acquisition strategy going forward, although we also expect to continue to pursue complementary propane acquisitions. We also

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anticipate that our natural gas operations will provide internal growth projects of greater scale compared to those available in our propane business as demonstrated by our significant number of completed natural gas pipeline projects as well as our recently announced pipeline projects.

We believe that we are well-positioned to compete in both the natural gas transportation and storage industry and the retail propane industry based on the following strengths:

We believe that the size and scope of our operations, our stable asset base and cash flow profile, and our investment grade status will be significant positive factors in our efforts to obtain new debt or equity financing in light of current market conditions.

Our experienced management team has an established reputation as highly-effective, strategic operators within our operating segments. In addition, our management team is motivated to effectively and efficiently manage our business operations through performance-based incentive compensation programs and through ownership of a substantial equity position in Energy Transfer Equity, L.P., the entity that indirectly owns our general partner and therefore benefits from incentive distribution payments we make to our general partner.

Natural Gas Operations Business Strategies

Enhance profitability of existing assets. We intend to increase the profitability of our existing asset base by adding new volumes of natural gas under long-term producer commitments, undertaking additional initiatives to enhance utilization and reducing costs by improving operations.

Engage in construction and expansion opportunities. We intend to leverage our existing infrastructure and customer relationships by constructing and expanding systems to meet new or increased demand for midstream and transportation services.

Increase cash flow from fee-based businesses. We intend to seek to increase the percentage of our midstream business conducted with third parties under fee-based arrangements in order to reduce our exposure to changes in the prices of natural gas and natural gas liquids.

Growth through acquisitions. We intend to continue to make strategic acquisitions of midstream, transportation and storage assets in our current areas of operation that offer the opportunity for operational efficiencies and the potential for increased utilization and expansion of our existing and acquired assets.

Propane Business Strategies

Pursue internal growth opportunities. In addition to pursuing expansion through acquisitions, we have aggressively focused on high return internal growth opportunities at our existing customer service locations. We believe that by concentrating our operations in areas experiencing higher-than-average population growth, we are well positioned to achieve internal growth by adding new customers.

Growth through complementary acquisitions. We believe that our position as one of the three largest propane marketers in the United States provides us a solid foundation to continue our acquisition growth strategy through consolidation.

Maintain low-cost, decentralized operations. We focus on controlling costs, and we attribute our low overhead costs primarily to our decentralized structure.

Recent Developments

Acquisition of LDH Energy Asset Holdings LLC

On March 22, 2011, we and Regency announced that ETP-Regency Midstream Holdings, LLC, or ETP-Regency LLC, a joint venture owned 70% by us and 30% by Regency, had entered into a purchase agreement with Louis Dreyfus Highbridge Energy LLC, pursuant to which ETP-Regency LLC has agreed to acquire all of the membership interests in LDH Energy Asset Holdings LLC, or LDH, for \$1.925 billion in cash, subject to customary purchase price adjustments. We refer to this acquisition as the LDH Acquisition. We and Regency will each make an initial capital contribution to ETP-Regency LLC in proportion to our respective

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equity interests to fund the purchase price for the acquisition of LDH. ETP-Regency LLC will be managed by a two-person board of directors, with us and Regency each having the right to appoint one director. We will operate the assets on behalf of the joint venture with the existing LDH employees. We intend to use the net proceeds of this offering to repay borrowings currently outstanding under our revolving credit facility, which facility we expect to utilize to fund our pro rata share of the purchase price of LDH, approximately \$1.35 billion, upon closing. Please see Use of Proceeds below.

LDH owns and operates a diverse set of midstream energy assets that represents critical infrastructure connecting high-growth production areas to end-markets. The LDH assets include NGL and refined products storage facilities located in Mont Belvieu, Texas and Hattiesburg, Mississippi; a 12-inch long-haul intrastate NGL pipeline, which we refer to as the West Texas Pipeline, originating in the Permian Basin in west Texas, passing through the Barnett Shale production area and terminating at Mont Belvieu; NGL fractionation and natural gas processing facilities near Baton Rouge and New Orleans, Louisiana; and a 20% equity interest in the Sea Robin wet gas processing plant near Henry Hub, Louisiana. The Mont Belvieu storage facility has approximately 43 million barrels, or MMBbbls, of capacity in 24 underground salt dome caverns, and 10 brine ponds with combined capacity of approximately 23 MMBbbls. The Hattiesburg facility has 3.9 MMBbbls of usable capacity in three salt dome caverns, with 9.6 MMBbbls of total cavern capacity, and two brine ponds with combined capacity of over 75, thousand barrels, or MBbbls. The intrastate pipeline assets include the 1,066-mile West Texas Pipeline with 144 MBbbls per day, or MBPD, of capacity, 12 pump stations providing 21,500 horsepower of compression, and over 20 injection points. The NGL fractionation and processing facilities consist of one fractionation unit with 25 MBPD of capacity, two cryogenic processing plants with combined capacity of 82 MMcf/d, and an 85-mile gathering system. The Sea Robin wet gas processing plant has 850 MMcf/d of natural gas capacity and 26 MBPD of NGL capacity. In addition, we expect to pursue several potential growth projects in close proximity to the existing LDH assets.

The completion of the acquisition is subject to customary closing conditions, including customary regulatory approvals. We expect the transaction to close in the second quarter of 2011.

Cash Distribution for Fourth Quarter

We declared a cash distribution for the fourth quarter of 2010 of \$0.89375 per unit, or \$3.575 per unit on an annualized basis. The cash distribution was paid on February 14, 2011 to unitholders of record as of February 7, 2011.

Our Principal Executive Offices

We are a limited partnership formed under the laws of the State of Delaware. Our executive offices are located at 3738 Oak Lawn Avenue, Dallas, Texas 75219. Our telephone number is (214) 981-0700. We maintain a website at <http://www.energytransfer.com> that provides information about our business and operations. Information contained on this website, however, is not incorporated into or otherwise a part of this prospectus supplement or the accompanying prospectus.

Our Organizational Structure

As a limited partnership, we are managed by our general partner, Energy Transfer Partners GP, L.P., which in turn is managed by its general partner, Energy Transfer Partners, L.L.C. Energy Transfer Partners, L.L.C. is ultimately responsible for the business and operations of our general partner and conducts our business and operations, and the board of directors and officers of Energy Transfer Partners, L.L.C. make decisions on our behalf.

The chart on the following page depicts our organizational structure and ownership of us after giving effect to this offering (assuming no exercise of the underwriters' option to purchase additional common units and that the general

partner does not make a capital contribution to maintain its current approximate 1.8% general partner interest).

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Energy Transfer Partners Ownership and Organizational Chart

Ownership of Energy Transfer Partners After This Offering

Public common units	74.3%
General partner interest(1)	1.7%
Common units owned by Energy Transfer Equity	24.0%
	100.0%

(1) Assumes that the general partner does not make a capital contribution to maintain its current general partner interest following the offering.

(2) Includes approximately 611,000 common units owned by management of Energy Transfer Partners, L.P.

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The Offering

Common units offered	11,750,000 common units 13,512,500 common units if the underwriters exercise in full their option to purchase additional common units.
Units outstanding after this offering	206,018,429 common units, or 207,780,929 common units if the underwriters exercise in full their option to purchase an additional 1,762,500 common units.
Use of proceeds	We will receive net proceeds of approximately \$ million from the sale of the 11,750,000 common units offered hereby, after deducting underwriting discounts and commissions and estimated offering expenses. We will use the net proceeds from this offering and from the underwriters exercise of their option to purchase additional common units, if any, to repay amounts outstanding under our revolving credit facility, to fund capital expenditures related to pipeline construction projects and for general partnership purposes. We expect to utilize our revolving credit facility to fund our pro rata share of the purchase price of LDH, approximately \$1.35 billion, upon closing. Please read Use of Proceeds.
Cash distributions	Under our partnership agreement, we must distribute all of our cash on hand at the end of each quarter, less reserves established by our general partner. We refer to this cash as available cash, and we define its meaning in our partnership agreement. We declared a quarterly cash distribution for our fourth quarter of 2010 of \$0.89375 per common unit, or \$3.575 on an annualized basis. We paid this cash distribution on February 14, 2011 to unitholders of record at the close of business on February 7, 2011. Please read Cash Distribution Policy beginning on page S-22 for more information.
Limited call right	If at any time our general partner and its affiliates own more than 80% of our outstanding common units, our general partner has the right, but not the obligation, to purchase all of the remaining common units at a price not less than the then-current market price of the common units. Management and other affiliates of our general partner will own approximately 25% of our common units after this offering.
Limited voting rights	Our general partner manages and operates us. Unlike the holders of common stock in a corporation, you will have only limited voting rights on matters affecting our business. You will have no right to elect our general partner or its officers or directors. Our general partner may not be removed except by a vote of the holders of at least 662/3% of the outstanding units, including units owned by our general partner and its affiliates, voting together as a single class. Management and other affiliates of our general partner will own approximately 25% of our outstanding common units after this offering.

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Estimated ratio of taxable income to distributions	We estimate that if you own the common units you purchase in this offering through December 31, 2013, you will be allocated, on a cumulative basis, an amount of federal taxable income for that period that will be less than 20% of the cash distributed to you with respect to that period. Please read Material Tax Considerations in this prospectus supplement for the basis of this estimate.
Material tax consequences	For a discussion of other material federal income tax considerations that may be relevant to prospective unitholders who are individual citizens or residents of the United States, please read Material Federal Income Tax Considerations in the accompanying prospectus.
Exchange listing	Our common units are traded on the New York Stock Exchange under the symbol ETP .
Risk factors	There are risks associated with this offering and our business. You should consider carefully the risk factors beginning on page S-11 of this prospectus supplement and beginning on page 4 of the accompanying prospectus and the other risks identified in the documents incorporated by reference herein before making a decision to purchase common units in this offering.

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RISK FACTORS

An investment in our common units involves risk. You should carefully read and consider each of the following risk factors and the risk factors set forth in our Annual Report on Form 10-K for the year ended December 31, 2010, together with all of the other information included in, or incorporated by reference into, this prospectus supplement and the accompanying prospectus, before investing in our common units.

We may not be able to consummate the LDH Acquisition.

The purchase agreement related to the LDH Acquisition contains customary and other closing conditions, including the receipt of customary regulatory approvals. If we are unable to consummate the LDH Acquisition, we would not realize the expected benefits of the proposed acquisition. In addition, we will have incurred, and will remain liable for, transaction costs, including legal, accounting, financial advisory and other costs relating to the LDH Acquisition whether or not it is consummated. The closing of this offering is not contingent upon the closing of the LDH Acquisition.

Any acquisition we complete, including the LDH Acquisition, is subject to substantial risks that could adversely affect our financial condition and results of operations and reduce our ability to make distributions to unitholders.

Any acquisition we complete, including the proposed LDH Acquisition, involves potential risks, including, among other things:

the validity of our assumptions about revenues, capital expenditures and operating costs of the acquired business or assets, as well as assumptions about achieving synergies with our existing businesses;

a failure to realize anticipated benefits, such as increased distributable cash flow per unit, enhanced competitive position or new customer relationships;

a decrease in our liquidity by using a significant portion of our available cash or borrowing capacity to finance the acquisition;

a significant increase in our interest expense or financial leverage if we incur additional debt to finance the acquisition;

difficulties operating in new geographic areas or new lines of business;

the incurrence or assumption of unanticipated liabilities, losses or costs associated with the business or assets acquired for which we are not indemnified or for which the indemnity is inadequate;

the inability to hire, train or retrain qualified personnel to manage and operate our growing business and assets, including any newly acquired business or assets;

the diversion of management's attention from our existing businesses; and

the incurrence of other significant charges, such as impairment of goodwill or other intangible assets, asset devaluation or restructuring charges.

If we consummate future acquisitions, our capitalization and results of operations may change significantly. As we determine the application of our funds and other resources, unitholders will not have an opportunity to evaluate the economics, financial and other relevant information that we will consider.

Also, our reviews of businesses or assets proposed to be acquired are inherently incomplete because it generally is not feasible to perform an in-depth review of businesses and assets involved in each acquisition given time constraints imposed by sellers. Even a detailed review of assets and businesses may not necessarily reveal existing or potential problems, nor will it permit a buyer to become sufficiently familiar with the assets or businesses to fully assess their deficiencies and potential. Inspections may not always be performed on every asset, and environmental problems are not necessarily observable even when an inspection is undertaken.

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USE OF PROCEEDS

We will receive net proceeds of approximately \$ million from the sale of the 11,750,000 common units we are offering, after deducting underwriting discounts and commissions and estimated offering expenses.

We will use the net proceeds of this offering and any net proceeds from the underwriters' exercise of their option to purchase additional common units to repay amounts outstanding under our revolving credit facility, to fund capital expenditures related to pipeline construction projects and for general partnership purposes. We expect to utilize our revolving credit facility to fund our pro rata share of the purchase price of LDH, approximately \$1.35 billion, upon closing.

As of March 21, 2011, an aggregate of approximately \$585.3 million of borrowings were outstanding under our revolving credit facility, and there were \$24.9 million of letters of credit outstanding. The weighted average interest rate on the total amount outstanding at March 21, 2011 was 0.82%. Our revolving credit facility matures on July 20, 2012. We use revolving credit loans to fund growth capital expenditures and working capital requirements.

The underwriters may, from time to time, engage in transactions with and perform services for us and our affiliates in the ordinary course of business. Affiliates of certain of the underwriters are lenders under our revolving credit facility and, accordingly, will receive proceeds from this offering. Please read "Underwriting Relationships with Underwriters."

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Our common units are listed on the NYSE under the symbol ETP. The last reported sale price of the common units on the NYSE on March 25, 2011 was \$53.13. As of March 25, 2011, we had issued and outstanding 194,268,429 common units, which were beneficially held by approximately 285,000 unitholders. The following table sets forth the range of high and low sales prices of the common units, on the NYSE, as well as the amount of cash distributions paid per common unit for the periods indicated.

	Price Ranges		Cash
	Low	High	Distributions Per Unit(1)
Fiscal Year 2011			
First Quarter Ending March 31, 2011 (through March 25, 2011)	\$ 50.80	\$ 55.50	N/A(2)
Fiscal Year 2010			
Fourth Quarter Ended December 31, 2010	\$ 48.01	\$ 52.00	\$ 0.89375
Third Quarter Ended September 30, 2010	\$ 44.97	\$ 51.95	\$ 0.89375
Second Quarter Ended June 30, 2010	\$ 40.06	\$ 49.99	\$ 0.89375
First Quarter Ended March 31, 2010	\$ 42.69	\$ 47.76	\$ 0.89375
Fiscal Year 2009			
Fourth Quarter Ended December 31, 2009	\$ 40.77	\$ 45.56	\$ 0.89375
Third Quarter Ended September 30, 2009	\$ 38.70	\$ 47.44	\$ 0.89375
Second Quarter Ended June 30, 2009	\$ 36.50	\$ 44.33	\$ 0.89375
First Quarter Ended March 31, 2009	\$ 30.72	\$ 38.69	\$ 0.89375

(1) Distributions are shown in the quarter with respect to which they relate. For each of the indicated quarters for which distributions have been made, an identical per unit cash distribution was paid on any units subordinated to our common units outstanding at such time.

(2) Cash distributions in respect of the first quarter of 2011 have not been declared or paid.

Table of Contents**CAPITALIZATION**

The following table sets forth our consolidated cash and capitalization as of December 31, 2010 on:

an actual basis;

an adjusted basis to give effect to (i) the issuance of an aggregate of 1,091,229 common units under our equity distribution program subsequent to December 31, 2010 for net proceeds of approximately \$57.4 million, which were used to repay amounts outstanding under our revolving credit facility and (ii) the assumed funding of our pro rata share of the purchase price to be paid by ETP-Regency LLC for LDH, as described above in

Prospectus Supplement Summary Energy Transfer Partners, L.P. Recent Developments, which pro rata share, \$1.35 billion, was assumed to be funded with borrowings under our revolving credit facility; and

a pro forma basis to give effect to the public offering of 11,750,000 common units at an offering price of \$ per common unit, as if the transaction had occurred on December 31, 2010, and the application of the net proceeds therefrom to repay amounts outstanding under our revolving credit facility and to increase cash and cash equivalents pending the remaining uses set forth under Use of Proceeds.

The actual information in the table is derived from and should be read in conjunction with our historical financial statements, including the accompanying notes, included in our Annual Report on Form 10-K for the year ended December 31, 2010, which is incorporated by reference in this prospectus supplement and the accompanying prospectus.

	December 31, 2010		
	As		
	Actual	Adjusted	Pro Forma
	(In thousands)		
Cash and cash equivalents	\$ 49,540	\$ 49,540	\$
Debt, including current maturities:			
Senior notes	\$ 6,028,313	\$ 6,028,313	\$ 6,028,313
Other debt	9,541	9,541	9,541
Revolving credit facility	402,327	1,692,454	
Total long-term debt	6,440,181	7,730,308	
Partners' capital:			
Common unitholders	4,542,656	4,600,029	
General partner	174,618	174,618	
Accumulated other comprehensive income (loss)	26,163	26,163	26,163
Total partners' capital	4,743,437	4,800,810	
Noncontrolling interest		577,500	
Total equity	4,743,437	5,378,310	

Total capitalization	\$ 11,183,618	\$ 13,108,618	\$
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As of March 21, 2011, an aggregate of approximately \$585.3 million of borrowings were outstanding and \$24.9 million of letters of credit were issued under our revolving credit facility.

The table above does not include outstanding indebtedness of FEP, a company in which we and KMP each own a 50% interest. As of March 21, 2011, FEP had \$962.5 million of borrowings outstanding under its \$1.1 billion senior revolving credit facility. We have guaranteed 50% of FEP's obligations under this facility, with the remaining 50% of FEP's obligations guaranteed by KMP.

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DESCRIPTION OF UNITS

As of March 25, 2011, there were approximately 285,000 individual common unitholders, which includes common units held in street name. Our common units represent limited partner interests in us that entitle the holders to the rights and privileges specified in our Second Amended and Restated Agreement of Limited Partnership.

Common Units, Class E Units and General Partner Interest

As of March 25, 2011, we had 194,268,429 common units outstanding, of which 144,041,462 were held by the public, including approximately 611,000 common units held by our officers and directors, and 50,226,967 common units held by ETE. Our common units are listed for trading on the NYSE under the symbol ETP. The common units are entitled to distributions of available cash as described below under Cash Distribution Policy.

There are currently 8,853,832 Class E units outstanding, all of which were issued in conjunction with our purchase of the capital stock of Heritage Holdings in January 2004, and are owned by Heritage Holdings. The Class E units generally do not have any voting rights. These Class E units are entitled to aggregate cash distributions equal to 11.1% of the total amount of cash distributed to all unitholders, including the Class E unitholders, up to \$1.41 per unit per year. Although no plans are currently in place, management may evaluate whether to retire some or all of the Class E units at a future date.

As of March 25, 2011, our general partner owned an approximate 1.8% general partner interest in us and the holders of common units and Class E units collectively owned an approximate 98.2% limited partner interest in us.

Issuance of Additional Securities

Our partnership agreement authorizes us to issue an unlimited number of additional partnership securities and rights to buy partnership securities for the consideration and on the terms and conditions established by our general partner in its sole discretion, without the approval of the unitholders. Any such additional partnership securities may be senior to the common units.

It is possible that we will fund acquisitions through the issuance of additional common units or other equity securities. Holders of any additional common units we issue will be entitled to share equally with the then-existing holders of common units in our distributions of available cash. In addition, the issuance of additional partnership interests may dilute the value of the interests of the then-existing holders of common units in our net assets.

In accordance with Delaware law and the provisions of our partnership agreement, we may also issue additional partnership securities that, in the sole discretion of the general partner, have special voting rights to which the common units are not entitled.

Upon issuance of additional partnership securities, our general partner has the right to make additional capital contributions to the extent necessary to maintain its then-existing general partner interest in us. In the event that our general partner does not make its proportionate share of capital contributions to us based on its then-current general partner interest percentage, its general partner percentage will be proportionately reduced in the manner specified in our partnership agreement. Moreover, our general partner will have the right, which it may from time to time assign in whole or in part to any of its affiliates, to purchase common units or other equity securities whenever, and on the same terms that, we issue those securities to persons other than the general partner and its affiliates, to the extent necessary to maintain its percentage interest, including its interest represented by common units, that existed immediately prior

to each issuance. The holders of common units will not have preemptive rights to acquire additional common units or other partnership securities.

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Unitholder Approval

The following matters require the approval of the majority of the outstanding common units, including the common units owned by the general partner and its affiliates:

a merger of our partnership;

a sale or exchange of all or substantially all of our assets;

dissolution or reconstitution of our partnership upon dissolution;

certain amendments to the partnership agreement; and

the transfer to another person of the incentive distribution rights at any time, except for transfers to affiliates of the general partner or transfers in connection with the general partner's merger or consolidation with or into, or sale of all or substantially all of its assets to, another person.

The removal of our general partner requires the approval of not less than 662/3% of all outstanding units, including units held by our general partner and its affiliates. Any removal is subject to the election of a successor general partner by the holders of a majority of the outstanding common units, including units held by our general partner and its affiliates.

Amendments to Our Partnership Agreement

Amendments to our partnership agreement may be proposed only by our general partner. Certain amendments require the approval of a majority of the outstanding common units, including common units owned by the general partner and its affiliates. Any amendment that materially and adversely affects the rights or preferences of any class of partnership interests in relation to other classes of partnership interests will require the approval of at least a majority of the class of partnership interests so affected. Our general partner may make amendments to the partnership agreement without unitholder approval to reflect:

a change in our name, the location of our principal place of business or our registered agent or office;

the admission, substitution, withdrawal or removal of partners;

a change to qualify or continue our qualification as a limited partnership or a partnership in which the limited partners have limited liability or to ensure that neither we nor our operating partnership will be treated as an association taxable as a corporation or otherwise taxed as an entity for federal income tax purposes;

a change that does not adversely affect our unitholders in any material respect;

a change (i) that is necessary or advisable to (A) satisfy any requirements, conditions or guidelines contained in any opinion, directive, order, ruling or regulation of any federal or state agency or judicial authority or contained in any federal or state statute, or (B) facilitate the trading of common units or comply with any rule, regulation, guideline or requirement of any national securities exchange on which the common units are or will be listed for trading, (ii) that is necessary or advisable in connection with action taken by our general partner with respect to subdivision and combination of our securities or (iii) that is required to effect the intent expressed in our partnership agreement;

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a change in our fiscal year or taxable year and any changes that are necessary or advisable as a result of a change in our fiscal year or taxable year;

an amendment that is necessary to prevent us, or our general partner or its directors, officers, trustees or agents from being subjected to the provisions of the Investment Company Act of 1940, as amended, the Investment Advisors Act of 1940, as amended, or plan asset regulations adopted under the Employee Retirement Income Security Act of 1974, as amended;

an amendment that is necessary or advisable in connection with the authorization or issuance of any class or series of our securities;

any amendment expressly permitted in our partnership agreement to be made by our general partner acting alone;

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an amendment effected, necessitated or contemplated by a merger agreement approved in accordance with our partnership agreement;

an amendment that is necessary or advisable to reflect, account for and deal with appropriately our formation of, or investment in, any corporation, partnership, joint venture, limited liability company or other entity other than our operating partnership, in connection with our conduct of activities permitted by our partnership agreement;

a merger or conveyance to effect a change in our legal form; or

any other amendment substantially similar to the foregoing.

Withdrawal or Removal of Our General Partner

Our general partner may withdraw as general partner without first obtaining approval of any unitholder by giving 90 days' written notice, and that withdrawal will not constitute a violation of our partnership agreement. In addition, our general partner may withdraw without unitholder approval upon 90 days' notice to our limited partners if at least 50% of our outstanding common units are held or controlled by one person and its affiliates other than our general partner and its affiliates.

Upon the voluntary withdrawal of our general partner, the holders of a majority of our outstanding common units, excluding the common units held by the withdrawing general partner and its affiliates, may elect a successor to the withdrawing general partner. If a successor is not elected, or is elected but an opinion of counsel regarding limited liability and tax matters cannot be obtained, we will be dissolved, wound up and liquidated, unless within 90 days after that withdrawal, the holders of a majority of our outstanding units, excluding the common units held by the withdrawing general partner and its affiliates, agree to continue our business and to appoint a successor general partner.

Our general partner may not be removed unless that removal is approved by the vote of the holders of not less than 66 2/3% of our outstanding units, including units held by our general partner and its affiliates, and we receive an opinion of counsel regarding limited liability and tax matters. In addition, if our general partner is removed as our general partner under circumstances where cause does not exist, our general partner will have the right to receive cash in exchange for its partnership interest as a general partner in us, its partnership interest as the general partner of any member of the Energy Transfer partnership group and its incentive distribution rights. Cause is narrowly defined to mean that a court of competent jurisdiction has entered a final, non-appealable judgment finding the general partner liable for actual fraud, gross negligence or willful or wanton misconduct in its capacity as our general partner. Any removal of this kind is also subject to the approval of a successor general partner by the vote of the holders of the majority of our outstanding common units, including those held by our general partner and its affiliates.

While our partnership agreement limits the ability of our general partner to withdraw, it allows the general partner interest to be transferred if, among other things, the transferee assumes the rights and duties of our general partner, furnishes an opinion of counsel regarding limited liability and tax matters and agrees to purchase all (or the appropriate portion thereof, if applicable) of our general partner's general partner interest in us and any of our subsidiaries. In addition, our partnership agreement expressly permits the sale, in whole or in part, of the ownership of our general partner. Our general partner may also transfer, in whole or in part, any common units it owns.

Liquidation and Distribution of Proceeds

Upon our dissolution, unless we are reconstituted and continue as a new limited partnership, the person authorized to wind up our affairs (the liquidator) will, acting with all the powers of our general partner that the liquidator deems necessary or desirable in its good faith judgment, liquidate our assets. The proceeds of the liquidation will be applied as follows:

first, towards the payment of all of our creditors and the creation of a reserve for contingent liabilities; and

then, to all partners in accordance with the positive balance in their respective capital accounts.

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Under some circumstances and subject to some limitations, the liquidator may defer liquidation or distribution of our assets for a reasonable period of time. If the liquidator determines that a sale would be impractical or would cause a loss to our partners, our general partner may distribute assets in kind to our partners.

Limited Call Right

If at any time less than 20% of the total limited partner interests of any class are held by persons other than our general partner and its affiliates, our general partner will have the right to acquire all, but not less than all, of those common units at a price no less than their then-current market price. As a consequence, a unitholder may be required to sell his common units at an undesirable time or price. Our general partner may assign this purchase right to any of its affiliates or us.

Indemnification

Under our partnership agreement, in most circumstances, we will indemnify our general partner, its affiliates and their officers and directors to the fullest extent permitted by law, from and against all losses, claims or damages any of them may suffer by reason of their status as general partner, officer or director, as long as the person seeking indemnity acted in good faith and in a manner believed to be in or not opposed to our best interest and, with respect to any criminal proceeding, had no reasonable cause to believe the conduct was unlawful. Any indemnification under these provisions will only be out of our assets. Our general partner shall not be personally liable for, or have any obligation to contribute or loan funds or assets to us to effectuate any indemnification. We are authorized to purchase insurance against liabilities asserted against and expenses incurred by persons for our activities, regardless of whether we would have the power to indemnify the person against liabilities under our partnership agreement.

Listing

Our outstanding common units are listed on the NYSE under the symbol ETP. Any additional common units we issue also will be listed on the NYSE.

Transfer Agent and Registrar

The transfer agent and registrar for the common units is American Stock Transfer & Trust Company.

Transfer of Common Units

Each purchaser of common units offered by this prospectus must execute a transfer application. By executing and delivering a transfer application, the purchaser of common units:

becomes the record holder of the common units and is an assignee until admitted into our partnership as a substituted limited partner;

automatically requests admission as a substituted limited partner in our partnership;

agrees to be bound by the terms and conditions of, and executes, our partnership agreement;

represents that such person has the capacity, power and authority to enter into the partnership agreement;

grants to our general partner the power of attorney to execute and file documents required for our existence and qualification as a limited partnership, the amendment of the partnership agreement, our dissolution and liquidation, the admission, withdrawal, removal or substitution of partners, the issuance of additional partnership securities and any merger or consolidation of the partnership; and

makes the consents and waivers contained in the partnership agreement, including the waiver of the fiduciary duties of the general partner to unitholders as described in Risk Factors Risks Related to Conflicts of Interests Our Partnership Agreement limits our General Partner's fiduciary duties to our Unitholders and restricts the remedies available to Unitholders for actions taken by our General Partner that might otherwise constitute breaches of fiduciary duty included in our Annual Report on Form 10-K for the year ended December 31, 2010.

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An assignee will become a substituted limited partner of our partnership for the transferred common units upon the consent of our general partner and the recording of the name of the assignee on our books and records. Although the general partner has no current intention of doing so, it may withhold its consent in its sole discretion. An assignee who is not admitted as a limited partner will remain an assignee. An assignee is entitled to an interest equivalent to that of a limited partner for the right to share in allocations and distributions from us, including liquidating distributions. Furthermore, our general partner will vote and exercise other powers attributable to common units owned by an assignee at the written direction of the assignee.

Transfer applications may be completed, executed and delivered by a purchaser's broker, agent or nominee. We are entitled to treat the nominee holder of a common unit as the absolute owner. In that case, the beneficial holder's rights are limited solely to those that it has against the nominee holder as a result of any agreement between the beneficial owner and the nominee holder.

Common units are securities and are transferable according to the laws governing transfer of securities. In addition to other rights acquired, the purchaser has the right to request admission as a substituted limited partner in our partnership for the purchased common units. A purchaser of common units who does not execute and deliver a transfer application obtains only:

the right to assign the common unit to a purchaser or transferee; and

the right to transfer the right to seek admission as a substituted limited partner in our partnership for the purchased common units.

Thus, a purchaser of common units who does not execute and deliver a transfer application:

will not receive cash distributions or federal income tax allocations, unless the common units are held in a nominee or street name account and the nominee or broker has executed and delivered a transfer application; and

may not receive some federal income tax information or reports furnished to record holders of common units.

Until a common unit has been transferred on our books, we and the transfer agent, notwithstanding any notice to the contrary, may treat the record holder of the common unit as the absolute owner for all purposes, except as otherwise required by law or NYSE regulations.

Status as Limited Partner or Assignee

Except as described under **Limited Liability**, the common units will be fully paid, and the unitholders will not be required to make additional capital contributions to us.

Limited Liability

Assuming that a limited partner does not participate in the control of our business within the meaning of the Delaware Revised Uniform Limited Partnership Act (the Delaware Act) and that he otherwise acts in conformity with the provisions of our partnership agreement, his liability under the Delaware Act will be limited, subject to possible exceptions, to the amount of capital he is obligated to contribute to us for his common units plus his share of any undistributed profits and assets. If it were determined, however, that the right or exercise of the right by the limited partners as a group to remove or replace the general partner, to approve some amendments to our partnership

agreement, or to take other action under our partnership agreement, constituted participation in the control of our business for the purposes of the Delaware Act, then the limited partners could be held personally liable for our obligations under Delaware law, to the same extent as the general partner. This liability would extend to persons who transact business with us and who reasonably believe that the limited partner is a general partner. Neither our partnership agreement nor the Delaware Act specifically provides for legal recourse against our general partner if a limited partner were to lose limited liability through any fault of the general partner. While this does not mean that a limited partner could not seek legal recourse, we have found no precedent for this type of a claim in Delaware case law.

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Under the Delaware Act, a limited partnership may not make a distribution to a partner if after the distribution all liabilities of the limited partnership, other than liabilities to partners on account of their partnership interests and liabilities for which the recourse of creditors is limited to specific property of our partnership, exceed the fair value of the assets of the limited partnership. For the purpose of determining the fair value of the assets of a limited partnership, the Delaware Act provides that the fair value of property subject to liability for which recourse of creditors is limited shall be included in the assets of the limited partnership only to the extent that the fair value of that property exceeds the nonrecourse liability. The Delaware Act provides that a limited partner who receives a distribution and knew at the time of the distribution that the distribution was in violation of the Delaware Act shall be liable to the limited partnership for the amount of the distribution for three years. Under the Delaware Act, an assignee who becomes a substituted limited partner of a limited partnership is liable for the obligations of his assignor to make contributions to our partnership, except the assignee is not obligated for liabilities unknown to him at the time he became a limited partner and which could not be ascertained from our partnership agreement.

Our subsidiaries currently conduct business in 48 states: Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Wisconsin, Washington, West Virginia and Wyoming. To maintain the limited liability for Energy Transfer Partners, L.P., as the holder of a 100% limited partner interest in Heritage Operating, L.P., we may be required to comply with legal requirements in the jurisdictions in which Heritage Operating, L.P. conducts business, including qualifying our subsidiaries to do business there. Limitations on the liability of limited partners for the obligations of a limited partnership have not been clearly established in many jurisdictions. If it were determined that we were, by virtue of our limited partner interest in Heritage Operating, L.P. or otherwise, conducting business in any state without compliance with the applicable limited partnership statute, or that our right or the exercise of our right to remove or replace Heritage Operating, L.P. s general partner, to approve some amendments to Heritage Operating, L.P. s partnership agreement, or to take other action under Heritage Operating, L.P. s partnership agreement constituted participation in the control of Heritage Operating, L.P. s business for purposes of the statutes of any relevant jurisdiction, then we could be held personally liable for Heritage Operating, L.P. s obligations under the law of that jurisdiction to the same extent as our general partner under the circumstances. We will operate in a manner as our general partner considers reasonable and necessary or appropriate to preserve our limited liability.

Meetings; Voting

Except as described below regarding a person or group owning 20% or more of any class of units then outstanding, unitholders or assignees who are record holders of units on the record date will be entitled to notice of, and to vote at, meetings of our limited partners and to act upon matters for which approvals may be solicited. Common units that are owned by an assignee who is a record holder, but who has not yet been admitted as a limited partner, shall be voted by our general partner at the written direction of the record holder. Absent direction of this kind, the common units will not be voted, except that, in the case of common units held by our general partner on behalf of non-citizen assignees, our general partner shall distribute the votes on those common units in the same ratios as the votes of limited partners on other units are cast.

Our general partner does not anticipate that any meeting of unitholders will be called in the foreseeable future. If authorized by our general partner, any action that is required or permitted to be taken by the unitholders may be taken either at a meeting of the unitholders or without a meeting if consents in writing describing the action so taken are signed by holders of the number of units as would be necessary to authorize or take that action at a meeting. Meetings of the unitholders may be called by our general partner or by unitholders owning at least 20% of the outstanding units

of the class for which a meeting is proposed. Unitholders may vote either in person or by proxy at meetings. The holders of a majority of the outstanding units of the class or classes for which a meeting has been called represented in person or by proxy shall

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constitute a quorum unless any action by the unitholders requires approval by holders of a greater percentage of the units, in which case the quorum shall be the greater percentage.

Each record holder of a unit has a vote according to his percentage interest in us, although additional limited partner interests having special voting rights could be issued. However, if at any time any person or group, other than our general partner and its affiliates, owns, in the aggregate, beneficial ownership of 20% or more of the common units then outstanding, the person or group will lose voting rights on all of its common units and its common units may not be voted on any matter and will not be considered to be outstanding when sending notices of a meeting of unitholders, calculating required votes, determining the presence of a quorum or for other similar purposes. Common units held in nominee or street name account will be voted by the broker or other nominee in accordance with the instruction of the beneficial owner unless the arrangement between the beneficial owner and his nominee provides otherwise.

Any notice, demand, request, report or proxy material required or permitted to be given or made to record holders of common units under our partnership agreement will be delivered to the record holder by us or by the transfer agent.

Books and Reports

Our general partner is required to keep appropriate books of our business at our principal offices. The books will be maintained for both tax and financial reporting purposes on an accrual basis. Reporting for tax purposes is done on a calendar year basis.

We will furnish or make available to record holders of common units, within 120 days after the close of each fiscal year, an annual report containing audited financial statements and a report on those financial statements by our independent public accountants. Except for our fourth quarter, we will also furnish or make available summary financial information within 90 days after the close of each quarter.

We will furnish each record holder of a unit with information reasonably required for tax reporting purposes within 90 days after the close of each calendar year. This information is expected to be furnished in summary form so that some complex calculations normally required of partners can be avoided. Our ability to furnish this summary information to unitholders will depend on the cooperation of unitholders in supplying us with specific information. Every unitholder will receive information to assist him in determining his federal and state tax liability and filing his federal and state income tax returns, regardless of whether he supplies us with information.

Our partnership agreement provides that a limited partner can, for a purpose reasonably related to his interest as a limited partner, upon reasonable demand and at his own expense, have furnished to him:

a current list of the name and last known address of each partner;

a copy of our tax returns;

information as to the amount of cash, and a description and statement of the agreed value of any other property or services, contributed or to be contributed by each partner and the date on which each became a partner;

copies of our partnership agreement, the certificate of limited partnership of the partnership, related amendments and powers of attorney under which they have been executed;

information regarding the status of our business and financial condition; and

any other information regarding our affairs as is just and reasonable.

Our general partner may, and intends to, keep confidential from the limited partners trade secrets or other information the disclosure of which our general partner believes in good faith is not in our best interests or that we are required by law or by agreements with third parties to keep confidential.

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CASH DISTRIBUTION POLICY

Following is a description of the relative rights and preferences of holders of our common units in and to cash distributions. Upon the issuance of any additional common units, the general partner may make, but is not obligated to make, capital contributions to maintain its then current general partner interest. In the event the general partner elects not to make such capital contribution, its general partner interest will be diluted accordingly. As of March 25, 2011, our general partner owned an approximate 1.8% general partner interest in us.

Distributions of Available Cash

General. We will distribute all of our available cash to our unitholders and our general partner within 45 days following the end of each fiscal quarter.

Definition of Available Cash. Available cash is defined in our partnership agreement and generally means, with respect to any calendar quarter, all cash on hand at the end of such quarter:

less the amount of cash reserves that are necessary or appropriate in the reasonable discretion of the general partner to:

provide for the proper conduct of our business;

comply with applicable law or any debt instrument or other agreement (including reserves for future capital expenditures and for our future credit needs); or

provide funds for distributions to unitholders and our general partner in respect of any one or more of the next four quarters;

plus all cash on hand on the date of determination of available cash for the quarter resulting from working capital borrowings made after the end of the quarter. Working capital borrowings are generally borrowings that are made under our credit facilities and in all cases are used solely for working capital purposes or to pay distributions to partners.

Operating Surplus and Capital Surplus

General. All cash distributed to unitholders will be characterized as either operating surplus or capital surplus. We distribute available cash from operating surplus differently than available cash from capital surplus.

Definition of Operating Surplus. Operating surplus for any period generally means:

our cash balance on the closing date of our initial public offering; plus

\$10.0 million (as described below); plus

all of our cash receipts since the closing of our initial public offering, excluding cash from interim capital transactions such as borrowings that are not working capital borrowings, sales of equity and debt securities and sales or other dispositions of assets outside the ordinary course of business; plus

our working capital borrowings made after the end of a quarter but before the date of determination of operating surplus for the quarter; less

all of our operating expenditures after the closing of our initial public offering, including the repayment of working capital borrowings, but not the repayment of other borrowings, and including maintenance capital expenditures; less

the amount of cash reserves that the general partner deems necessary or advisable to provide funds for future operating expenditures.

Definition of Capital Surplus. Generally, capital surplus will be generated only by:

borrowings other than working capital borrowings;

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sales of debt and equity securities; and

sales or other disposition of assets for cash, other than inventory, accounts receivable and other current assets sold in the ordinary course of business or as part of normal retirements or replacements of assets.

Characterization of Cash Distributions. We will treat all available cash distributed as coming from operating surplus until the sum of all available cash distributed since we began operations equals the operating surplus as of the most recent date of determination of available cash. We will treat any amount distributed in excess of operating surplus, regardless of its source, as capital surplus. As reflected above, operating surplus includes \$10.0 million in addition to our cash balance on the closing date of our initial public offering, cash receipts from our operations and cash from working capital borrowings. This amount does not reflect actual cash on hand that is available for distribution to our unitholders. Rather, it is a provision that enables us, if we choose, to distribute as operating surplus up to \$10.0 million of cash we receive in the future from non-operating sources, such as asset sales, issuances of securities, and long-term borrowings, that would otherwise be distributed as capital surplus. We have not made, and we anticipate that we will not make, any distributions from capital surplus.

Incentive Distribution Rights

Incentive distribution rights represent the contractual right to receive an increasing percentage of quarterly distributions of available cash from operating surplus after the minimum quarterly distribution has been paid. Please read *Distributions of Available Cash from Operating Surplus* below. The general partner owns all of the incentive distribution rights.

Distributions of Available Cash from Operating Surplus

The terms of our partnership agreement require that we make cash distributions with respect to each calendar quarter within 45 days following the end of each calendar quarter. We are required to make distributions of available cash from operating surplus for any quarter in the following manner:

First, 100% to all common and Class E unitholders and the general partner, in accordance with their percentage interests, until each common unit has received \$0.25 per unit for such quarter (the minimum quarterly distribution);

Second, 100% to all common and Class E unitholders and the general partner, in accordance with their respective percentage interests, until each common unit has received \$0.275 per unit for such quarter (the first target distribution);

Third, 87% to all common and Class E unitholders and the general partner, in accordance with their respective percentage interests, and 13% to the holders of incentive distribution rights, pro rata, until each common unit has received \$0.3175 per unit for such quarter (the second target distribution);

Fourth, 77% to all common and Class E unitholders and the general partner, in accordance with their respective percentage interests, and 23% to the holders of incentive distribution rights, pro rata, until each common unit has received \$0.4125 per unit for such quarter (the third target distribution); and

Fifth, thereafter, 52% to all common and Class E unitholders and the general partner, in accordance with their respective percentage interests, and 48% to the holders of incentive distribution rights, pro rata.

Notwithstanding the foregoing, the distributions on each Class E unit may not exceed \$1.41 per year.

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Distributions of Available Cash from Capital Surplus

The terms of our partnership agreement require that we make cash distributions with respect to each calendar quarter within 45 days following the end of each calendar quarter. We will make distributions of available cash from capital surplus, if any, in the following manner:

First, 100% to all unitholders and the general partner, in accordance with their respective percentage interests, until we distribute for each common unit an amount of available cash from capital surplus equal to the initial public offering price;

Thereafter, we will make all distributions of available cash from capital surplus as if they were from operating surplus.

Our partnership agreement treats a distribution of capital surplus as the repayment of the initial unit price from the initial public offering, which is a return of capital. The initial public offering price per common unit less any distributions of capital surplus per unit is referred to as the *unrecovered capital*.

If we combine our units into fewer units or subdivide our units into a greater number of units, we will proportionately adjust our minimum quarterly distribution, our target cash distribution levels, and our unrecovered capital.

For example, if a two-for-one split of our common units should occur, our unrecovered capital would be reduced to 50% of our initial level. We will not make any adjustment by reason of our issuance of additional units for cash or property.

On January 14, 2005, our general partner announced a two-for-one split of our common units that was effected on March 15, 2005. As a result, our minimum quarterly distribution and the target cash distribution levels were reduced to 50% of their initial levels. Our adjusted minimum quarterly distribution and the adjusted target cash distribution levels are reflected in the discussion above under the caption *Distributions of Available Cash from Operating Surplus*.

In addition, if legislation is enacted or if existing law is modified or interpreted in a manner that causes us to become taxable as a corporation or otherwise subject to taxation as an entity for federal, state or local income tax purposes, we will reduce our minimum quarterly distribution and the target cash distribution levels by multiplying the same by one minus the sum of the highest marginal federal corporate income tax rate that could apply and any increase in the effective overall state and local income tax rates.

Distributions of Cash Upon Liquidation

General. If we dissolve in accordance with our partnership agreement, we will sell or otherwise dispose of our assets in a process called liquidation. We will first apply the proceeds of liquidation to the payment of our creditors. We will distribute any remaining proceeds to the unitholders and the general partner, in accordance with their capital account balances, as adjusted to reflect any gain or loss upon the sale or other disposition of our assets in liquidation.

Any further net gain recognized upon liquidation will be allocated in a manner that takes into account the incentive distribution rights of the general partner.

Manner of Adjustments for Gain. The manner of the adjustment for gain is set forth in our partnership agreement in the following manner:

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First, to the general partner and the holders of units who have negative balances in their capital accounts to the extent of and in proportion to those negative balances;

Second, 100% to the common unitholders and the general partner, in accordance with their respective percentage interests, until the capital account for each common unit is equal to the sum of:

the unrecovered capital; and

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the amount of the minimum quarterly distribution for the quarter during which our liquidation occurs;

Third, 100% to all unitholders and the general partner, in accordance with their respective percentage interests, until we allocate under this paragraph an amount per unit equal to:

the sum of the excess of the first target distribution per unit over the minimum quarterly distribution per unit for each quarter of our existence; less

the cumulative amount per unit of any distributions of available cash from operating surplus in excess of the minimum quarterly distribution per unit that we distributed 100% to the unitholders and the general partner, in accordance with their percentage interests, for each quarter of our existence;

Fourth, 87% to all unitholders and the general partner, in accordance with their respective percentage interests, and 13% to the holders of the incentive distribution rights, pro rata, until we allocate under this paragraph an amount per unit equal to:

the sum of the excess of the second target distribution per unit over the first target distribution per unit for each quarter of our existence; less

the cumulative amount per unit of any distributions of available cash from operating surplus in excess of the first target distribution per unit that we distributed 87% to the unitholders and the general partner, in accordance with their percentage interests, and 13% to the holders of the incentive distribution rights, pro rata, for each quarter of our existence;

Fifth, 77% to all unitholders and the general partner, in accordance with their respective percentage interests, and 23% to the holders of the incentive distribution rights, pro rata, until we allocate under this paragraph an amount per unit equal to:

the sum of the excess of the third target distribution per unit over the second target distribution per unit for each quarter of our existence; less

the cumulative amount per unit of any distributions of available cash from operating surplus in excess of the second target distribution per unit that we distributed 77% to the unitholders and the general partner, in accordance with their respective percentage interests, and 23% to the holders of the incentive distribution rights, pro rata, for each quarter of our existence; and

Sixth, thereafter, 52% to all unitholders and the general partner, in accordance with their respective percentage interests, and 48% to the holders of the incentive distribution rights, pro rata.

Manner of Adjustment for Losses. Upon our liquidation, we will generally allocate any loss to the general partner and the unitholders in the following manner:

First, 100% to the holders of common units and the general partner in proportion to the positive balances in the common unitholders' capital accounts and the general partner's percentage interest, respectively, until the capital accounts of the common unitholders have been reduced to zero; and

Second, thereafter, 100% to the general partner.

Adjustments to Capital Accounts upon the Issuance of Additional Units. We will make adjustments to capital accounts upon the issuance of additional units. In doing so, we will allocate any unrealized and, for tax purposes, unrecognized gain or loss resulting from the adjustments to the unitholders and the general partner in the same manner as we allocate gain or loss upon liquidation. In the event that we make positive adjustments to the capital accounts upon the issuance of additional units, we will allocate any later negative adjustments to the capital accounts resulting from the issuance of additional units or upon our liquidation in a manner which results, to the extent possible, in the general partner's capital account balances equaling the amount which they would have been if no earlier positive adjustments to the capital accounts had been made.

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MATERIAL TAX CONSIDERATIONS

The tax consequences to you of an investment in our common units will depend in part on your own tax circumstances. Although this section updates and adds information related to certain tax considerations, it should be read in conjunction with the risk factors included under the caption "Tax Risks to Common Unitholders" beginning on page 27 of the accompanying prospectus and the risk factors in our Annual Report on Form 10-K for the year ended December 31, 2010, and with "Material Federal Income Tax Considerations" in the accompanying prospectus, which provides a discussion of the principal federal income tax considerations associated with our operations and the purchase, ownership and disposition of our common units. The following discussion is limited as described under the caption "Material Federal Income Tax Considerations" in the accompanying prospectus.

All prospective unitholders are encouraged to consult with their own tax advisors about the federal, state, local and foreign tax consequences particular to their own circumstances. In particular, ownership of common units by tax-exempt entities, including employee benefit plans and IRAs, and foreign investors raises issues unique to such persons. The relevant rules are complex, and the discussions herein and in the accompanying prospectus do not address tax considerations applicable to tax-exempt entities and foreign investors, except as specifically set forth in the accompanying prospectus. Please read "Material Federal Income Tax Considerations - Tax-Exempt Organizations and Other Investors" in the accompanying prospectus.

Partnership Status

The anticipated after-tax economic benefit of an investment in our common units depends largely on our being treated as a partnership for federal income tax purposes. If we were treated as a corporation for federal income tax purposes, we would pay federal income tax on our taxable income at the corporate tax rate, which is currently a maximum of 35%, and would likely pay additional state income tax at varying rates. Distributions to you would generally be taxed again as corporate distributions, and no income, gains, losses or deductions would flow through to you. Because a tax would be imposed upon us as a corporation, our cash available for distribution to you would be substantially reduced. Therefore, treatment of us as a corporation would result in a material reduction in the anticipated cash flow and after-tax return to the unitholders, likely causing a substantial reduction in the value of our common units.

Section 7704 of the Internal Revenue Code provides that publicly traded partnerships will, as a general rule, be taxed as corporations. However, an exception, referred to as the "Qualifying Income Exception," exists with respect to publicly traded partnerships of which 90% or more of the gross income for every taxable year consists of "qualifying income." Qualifying income includes income and gains derived from the transportation, storage and processing of crude oil, natural gas and products thereof, the retail and wholesale marketing of propane, the transportation of propane and natural gas liquids and certain related hedging activities. Other types of qualifying income include interest (other than from a financial business), dividends, gains from the sale of real property and gains from the sale or other disposition of capital assets held for the production of income that otherwise constitutes qualifying income. We estimate that less than 6% of our current gross income is not qualifying income. However, this estimate could change from time to time. Based upon and subject to this estimate, the factual representations made by us and our general partner and a review of the applicable legal authorities, Latham & Watkins LLP is of the opinion that at least 90% of our current gross income constitutes qualifying income and we are classified as a partnership for U.S. federal income tax purposes. For a more complete discussion of the qualifying income requirement and the importance of our status as a partnership, please read "Material Federal Income Tax Considerations - Partnership Status" in the accompanying prospectus.

Current law may change so as to cause us to be treated as a corporation for federal income tax purposes or otherwise subject us to entity-level taxation. For example, members of Congress have recently considered legislation that could affect certain publicly traded partnerships. Several states currently impose entity-level taxes on partnerships, including us. In addition, because of widespread state budget deficits and other reasons, several additional states are evaluating ways to subject partnerships to entity-level taxation through the implementation of state income, franchise or other forms of taxation. If any additional states were to impose a

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tax upon us as an entity, our cash available for distribution would be reduced. We are unable to predict whether any of these changes, or other proposals, will ultimately be enacted. Any such changes could negatively impact the value of an investment in our common units.

Ratio of Taxable Income to Distributions

We estimate that a purchaser of common units in this offering who owns those common units from the date of closing of this offering through the record date for distributions for the period ending December 31, 2013, will be allocated, on a cumulative basis, an amount of federal taxable income for that period that will be 20% or less of the cash distributed with respect to that period. Thereafter, we anticipate that the ratio of allocable taxable income to cash distributions to the unitholders will increase. These estimates are based upon the assumption that gross income from our operations will approximate the amount required to make distributions on all our units and other assumptions with respect to our capital expenditures, cash flow, net working capital and anticipated cash distributions. These estimates and assumptions are subject to, among other things, numerous business, economic, regulatory, legislative, competitive and political uncertainties beyond our control. Further, the estimates are based on current tax law and tax reporting positions that we have adopted with which the IRS could disagree. Accordingly, we cannot assure you that these estimates will prove to be correct. The actual percentage of distributions that will constitute taxable income could be higher or lower than expected, and any differences could be material and could materially affect the value of the common units. For example, the ratio of allocable taxable income to cash distributions to a purchaser of common units in this offering will be greater, and perhaps substantially greater, than our estimate with respect to the period described above if:

gross income from operations exceeds the amount required to maintain the current distribution amount on all units, yet we only distribute the current distribution amount on all units; or

we make a future offering of common units and use the proceeds of the offering in a manner that does not produce substantial additional deductions during the period described above, such as to repay indebtedness outstanding at the time of this offering or to acquire property that is not eligible for depreciation or amortization for federal income tax purposes or that is depreciable or amortizable at a rate significantly slower than the rate applicable to our assets at the time of this offering.

Administrative Matters

Nominee Reporting. Persons who hold an interest in us as a nominee for another person are required to furnish to us:

- (a) the name, address and taxpayer identification number of the beneficial owner and the nominee;
- (b) whether the beneficial owner is:
 - 1. a person that is not a United States person;
 - 2. a foreign government, an international organization or any wholly owned agency or instrumentality of either of the foregoing; or
 - 3. a tax-exempt entity;
- (c) the amount and description of units held, acquired or transferred for the beneficial owner; and

(d) specific information including the dates of acquisitions and transfers, means of acquisitions and transfers, and acquisition cost for purchases, as well as the amount of net proceeds from dispositions.

Brokers and financial institutions are required to furnish additional information, including whether they are United States persons and specific information on units they acquire, hold or transfer for their own account. A penalty of \$100 per failure, up to a maximum of \$1,500,000 per calendar year, is imposed by the Internal Revenue Code for failure to report that information to us. The nominee is required to supply the beneficial owner of the units with the information furnished to us.

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Table of Contents**UNDERWRITING**

Morgan Stanley & Co. Incorporated, Merrill Lynch, Pierce, Fenner & Smith Incorporated, Citigroup Global Markets Inc., Barclays Capital Inc., Credit Suisse Securities (USA) LLC, Wells Fargo Securities, LLC and J.P. Morgan Securities LLC are acting as book-running managers of the offering and as representatives of the underwriters named below. Subject to the terms and conditions stated in the underwriting agreement dated the date of this prospectus supplement, each underwriter named below has severally agreed to purchase, and we have severally agreed to sell to that underwriter, the number of common units set forth opposite the underwriter's name.

Underwriters	Number of Common Units
Morgan Stanley & Co. Incorporated	
Merrill Lynch, Pierce, Fenner & Smith Incorporated	
Citigroup Global Markets Inc.	
Barclays Capital Inc.	
Credit Suisse Securities (USA) LLC	
Wells Fargo Securities, LLC	
J.P. Morgan Securities LLC	
RBC Capital Markets LLC	
UBS Securities LLC	
Madison Williams and Company	
Morgan Keegan & Company Inc.	
Oppenheimer & Co. Inc.	
 Total	 11,750,000

The underwriters are offering the common units subject to their acceptance of the common units from us and subject to prior sale. The underwriting agreement provides that the obligation of the underwriters to pay for and accept delivery of the common units offered by this prospectus supplement is subject to the approval of certain legal matters by their counsel and to certain other conditions. The underwriters are obligated to take and pay for all of the common units offered by this prospectus supplement if any such common units are taken. However, the underwriters are not required to take or pay for the common units covered by the underwriters' option to purchase additional common units described below.

The underwriters propose to offer some of the common units directly to the public at the public offering price set forth on the cover page of this prospectus supplement and some of the common units to dealers at the public offering price less a concession not to exceed \$ _____ per common unit. If all of the common units are not sold at the initial public offering price, the representatives may change the public offering price and the other selling terms. The offering of the common units by the underwriters is subject to receipt and acceptance and subject to the underwriters' right to reject any order in whole or in part.

Indemnification

We have agreed to indemnify the several underwriters against certain liabilities, including liabilities under the Securities Act of 1933, or to contribute to payments that may be required to be made in respect of these liabilities.

Option to Purchase Additional Common Units

We have granted to the underwriters an option, exercisable for 30 days from the date of this prospectus supplement, to purchase up to 1,762,500 additional common units at the public offering price less the underwriting discount. The underwriters may exercise the option solely for the purpose of covering over-

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allotments, if any, in connection with this offering. To the extent the option is exercised, each underwriter must purchase a number of additional common units approximately proportionate to that underwriter’s initial purchase commitment.

Lock-Up Agreements

We, our general partner and certain of its affiliates, including the executive officers and directors of our general partner’s general partner, have agreed that, for a period of 45 days from the date of this prospectus supplement, we and they will not, without the prior written consent of Morgan Stanley & Co. Incorporated, dispose of or hedge or enter into any other agreement that transfers, in whole or in part, the economic consequences of ownership, establish or increase a put equivalent position or liquidate or decrease a call equivalent position within the meaning of Section 16 of the Exchange Act, or file with the SEC a registration statement under the Securities Act relating to any of our common units or any securities convertible into or exchangeable for our common units. Morgan Stanley & Co. Incorporated in its sole discretion may release any of the securities subject to these lock-up agreements at any time without notice. The restrictions described in this paragraph do not apply to, among other things:

the sale of units pursuant to the underwriting agreement;

the issuance by us of common units upon the exercise of an option or warrant or the conversion of a security outstanding on the date of this prospectus supplement under our equity incentive plans; or

the issuance of unit awards under our equity incentive plans.

Our common units are traded on the New York Stock Exchange under the symbol ETP.

Commissions and Expenses

The following table shows the underwriting discounts and commissions that we are to pay to the underwriters in connection with this offering. These amounts are shown assuming both no exercise and full exercise of the underwriters’ option to purchase additional common units.

	No Exercise	Full Exercise
Per Common Unit	\$	\$
Total	\$	\$

We estimate that our portion of the total expenses of this offering will be approximately \$500,000.

Stabilization, Short Positions and Penalty Bids

In order to facilitate the offering of the common units, the underwriters may engage in transactions that stabilize, maintain or otherwise affect the price of the common units. Specifically, the underwriters may sell more units than they are obligated to purchase under the underwriting agreement, creating a short position. A short sale is covered if the short position is no greater than the number of units available for purchase by the underwriters under the over-allotment option. The underwriters can close out a covered short sale by exercising the over-allotment option or purchasing units in the open market. In determining the source of units to close out a covered short sale, the underwriters will consider, among other things, the open market price of units compared to the price available under the over-allotment option. The underwriters may also sell units in excess of the over-allotment option, creating a

naked short position. The underwriters must close out any naked short position by purchasing units in the open market. A naked short position is more likely to be created if the underwriters are concerned that there may be downward pressure on the price of the common units in the open market after pricing that could adversely affect investors who purchase in this offering. As an additional means of facilitating this offering, the underwriters may bid for, and purchase, common units in the open market to stabilize the price of the common units. These activities may raise or maintain the market price of the common units above independent market levels or prevent or retard a decline in the market price of the common units. The underwriters are not required to engage in these activities and may end any of these activities at any time.

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The compensation received by the underwriters in connection with this common unit offering will not exceed 8% of the gross proceeds from this common unit offering.

Electronic Distribution

A prospectus in electronic format may be made available on the websites maintained by one or more of the underwriters. The representatives may agree to allocate a number of common units to underwriters for sale to their online brokerage account holders. The representatives will allocate units to underwriters that may make Internet distributions on the same basis as other allocations. In addition, common units may be sold by the underwriters to securities dealers who resell units to online brokerage account holders.

Other than the prospectus in electronic format, the information on any underwriter's or selling group member's website and any information contained in any other website maintained by any underwriter or selling group member is not part of the prospectus or the registration statement of which this prospectus supplement forms a part, has not been approved and/or endorsed by us or any underwriter or selling group member in its capacity as underwriter or selling group member and should not be relied upon by investors.

Relationships with Underwriters

In the ordinary course of their respective businesses, the underwriters and their affiliates have engaged, and may in the future engage, in commercial banking and/or investment banking transactions with us and our affiliates for which they received or will receive customary fees and expenses.

In particular, Wells Fargo Securities, LLC is a joint lead arranger and book runner for our revolving credit facility and is an affiliate of Wells Fargo Bank, N.A., the administrative agent for our revolving credit facility. Additionally, affiliates of Morgan Stanley & Co. Incorporated, Merrill Lynch, Pierce, Fenner & Smith Incorporated, Credit Suisse Securities (USA) LLC, Citigroup Global Markets Inc., J.P. Morgan Securities LLC, RBC Capital Markets, LLC and UBS Securities LLC are lenders and agents under certain of our credit facilities for which they receive interest and fees as provided in the credit agreements related to these facilities. We will use the net proceeds of the offering of the common units to repay outstanding loans and accrued interest under our revolving credit facility. Because the Financial Industry Regulatory Authority, or FINRA, views the common units offered hereby as interests in a direct participation program, the offering is being made in compliance with Rule 2310 of the FINRA Rules. Investor suitability with respect to the common units should be judged similarly to suitability with respect to other securities that are listed for trading on a national securities exchange.

In the ordinary course of their various business activities, the underwriters and their respective affiliates may make or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities) and financial instruments (including bank loans) for their own account and for the accounts of their customers and may at any time hold long and short positions in such securities and instruments. Such investment and securities activities may involve securities and instruments of the issuer.

Selling Restrictions

European Economic Area

In relation to each member state of the European Economic Area that has implemented the Prospectus Directive (each, a relevant member state), other than Germany, with effect from and including the date on which the Prospectus Directive is implemented in that relevant member state (the relevant implementation date), an offer of securities described in this prospectus may not be made to the public in that relevant member state other than:

to any legal entity which is a qualified investor as defined in the Prospectus Directive;

to fewer than 100 or, if the Relevant Member State has implemented the relevant provision of the 2010 PD Amending Directive, 150, natural or legal persons (other than qualified investors as defined in the

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Prospectus Directive), as permitted under the Prospectus Directive, subject to obtaining the prior consent of the relevant Dealer or Dealers nominated by the Issuer for any such offer; or

in any other circumstances falling within Article 3(2) of the Prospectus Directive.

provided that no such offer of securities shall require us or any underwriter to publish a prospectus pursuant to Article 3 of the Prospectus Directive.

For purposes of this provision, the expression an offer of securities to the public in any relevant member state means the communication in any form and by any means of sufficient information on the terms of the offer and the securities to be offered so as to enable an investor to decide to purchase or subscribe for the securities, as the expression may be varied in that member state by any measure implementing the Prospectus Directive in that member state, and the expression Prospectus Directive means Directive 2003/71/EC (and amendments thereto, including the 2010 PD Amending Directive, to the extent implemented in the Relevant Member State), and includes any relevant implementing measure in the Relevant Member State, and includes any relevant implementing measure in each relevant member state. The expression 2010 PD Amending Directive means Directive 2010/73/EU.

We have not authorized and do not authorize the making of any offer of securities through any financial intermediary on their behalf, other than offers made by the underwriters with a view to the final placement of the securities as contemplated in this prospectus. Accordingly, no purchaser of the securities, other than the underwriters, is authorized to make any further offer of the securities on behalf of us or the underwriters.

United Kingdom

We may constitute a collective investment scheme as defined by section 235 of the Financial Services and Markets Act 2000 (FSMA) that is not a recognised collective investment scheme for the purposes of FSMA (CIS) and that has not been authorised or otherwise approved. As an unregulated scheme, it cannot be marketed in the United Kingdom to the general public, except in accordance with FSMA. This prospectus supplement and the accompanying prospectus are only being distributed in the United Kingdom to, and are only directed at (i) investment professionals falling within the description of persons in Article 14(5) of the Financial Services and Markets Act 2000 (Promotion of Collective Investment Schemes) Order 2001, as amended (the CIS Promotion Order) or Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended (the Financial Promotion Order) or (ii) high net worth companies and other persons falling with Article 22(2)(a) to (d) of the CIS Promotion Order or Article 49(2)(a) to (d) of the Financial Promotion Order, or (iii) to any other person to whom it may otherwise lawfully be made, (all such persons together being referred to as relevant persons). The common units are only available to, and any invitation, offer or agreement to subscribe, purchase or otherwise acquire such common units will be engaged in only with, relevant persons. Any person who is not a relevant person should not act or rely on this document or any of its contents.

Germany

This document has not been prepared in accordance with the requirements for a securities or sales prospectus under the German Securities Prospectus Act (*Wertpapierprospektgesetz*), the German Sales Prospectus Act (*Verkaufprospektgesetz*), or the German Investment Act (*Investmentgesetz*). Neither the German Federal Financial Services Supervisory Authority (*Bundesanstalt für Finanzdienstleistungsaufsicht* - BaFin) nor any other German authority has been notified of the intention to distribute the common units in Germany. Consequently, the common units may not be distributed in Germany by way of public offering, public advertisement or in any similar manner and this document and any other document relating to the offering, as well as information or statements contained therein, may not be supplied to the public in Germany or used in connection with any offer for subscription of the common

units to the public in Germany or any other means of public marketing. The common units are being offered and sold in Germany only to qualified investors which are referred to in Section 3, paragraph 2 no. 1 in connection with Section 2 no. 6 of the German Securities Prospectus Act, Section 8f paragraph 2 no. 4 of the German Sales Prospectus Act, and in

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Section 2 paragraph 11 sentence 2 no. 1 of the German Investment Act. This document is strictly for use of the person who has received it. It may not be forwarded to other persons or published in Germany.

Netherlands

The common units may not be offered or sold, directly or indirectly, in the Netherlands, other than to qualified investors (*gekwalificeerde beleggers*) within the meaning of Article 1:1 of the Dutch Financial Supervision Act (*Wet op het financieel toezicht*).

Switzerland

This prospectus supplement and accompanying prospectus are being communicated in Switzerland to a small number of selected investors only. Each copy of this document is addressed to a specifically named recipient and may not be copied, reproduced, distributed or passed on to third parties. The common units are not being offered to the public in Switzerland, and neither this prospectus supplement and the accompanying prospectus, nor any other offering materials relating to the common units may be distributed in connection with any such public offering.

We have not been registered with the Swiss Financial Market Supervisory Authority FINMA as a foreign collective investment scheme pursuant to Article 120 of the Collective Investment Schemes Act of June 23, 2006 (*CISA*). Accordingly, the common units may not be offered to the public in or from Switzerland, and neither this prospectus supplement and the accompanying prospectus, nor any other offering materials relating to the common units may be made available through a public offering in or from Switzerland. The common units may only be offered and this prospectus supplement and the accompanying prospectus may only be distributed in or from Switzerland by way of private placement exclusively to qualified investors (as this term is defined in the *CISA* and its implementing ordinance).

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LEGAL MATTERS

The validity of the common units offered in this prospectus supplement will be passed upon for us by Latham & Watkins LLP, Houston, Texas. Certain legal matters will be passed upon for the underwriters by Andrews Kurth LLP, Houston, Texas.

EXPERTS

The audited consolidated financial statements and management's assessment of the effectiveness of internal control over financial reporting of Energy Transfer Partners, L.P. incorporated by reference in this prospectus supplement have been so incorporated by reference in reliance upon the reports of Grant Thornton LLP, independent registered public accountants, upon the authority of said firm as experts in giving said reports.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and other reports and other information with the SEC. You may read and copy any document we file at the SEC's public reference room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-732-0330 for further information on the operation of the SEC's public reference room. Our SEC filings are available on the SEC's web site at <http://www.sec.gov>. We also make available free of charge on our website, at <http://www.energytransfer.com>, all materials that we file electronically with the SEC, including our annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and amendments to these reports as soon as reasonably practicable after such materials are electronically filed with, or furnished to, the SEC. Additionally, you can obtain information about us through the New York Stock Exchange, 20 Broad Street, New York, New York 10005, on which our common units are listed.

The SEC allows us to incorporate by reference the information we have filed with the SEC. This means that we can disclose important information to you without actually including the specific information in this prospectus supplement by referring you to other documents filed separately with the SEC. These other documents contain important information about us, our financial condition and results of operations. The information incorporated by reference is an important part of this prospectus supplement and the accompanying prospectus. Information that we file later with the SEC will automatically update and may replace information in this prospectus supplement and information previously filed with the SEC.

We incorporate by reference in this prospectus supplement the documents listed below:

our annual report on Form 10-K for the year ended December 31, 2010;

our current reports on Form 8-K filed January 27, 2011 and March 23, 2011, and our Form 8-K/A filed March 25, 2011 (excluding any information furnished pursuant to Item 2.02 or Item 7.01 of such current report on Form 8-K); and

all documents filed by us under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934 between the date of this prospectus supplement and before the termination of this offering.

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You may obtain any of the documents incorporated by reference in this prospectus supplement or the accompanying prospectus from the SEC through the SEC's website at the address provided above. You also may request a copy of any document incorporated by reference in this prospectus supplement and the accompanying prospectus (including exhibits to those documents specifically incorporated by reference in this document), at no cost, by visiting our internet website at <http://www.energytransfer.com>, or by writing or calling us at the address set forth below. Information on our website is not incorporated into this prospectus supplement, the accompanying prospectus or our other securities filings and is not a part of this prospectus supplement or the accompanying prospectus.

Energy Transfer Partners, L.P.
3738 Oak Lawn Avenue
Dallas, TX 75219
Attention: Thomas P. Mason
Telephone: (214) 981-0700

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Prospectus

ENERGY TRANSFER PARTNERS, L.P.

**Common Units
Debt Securities**

We may offer and sell the common units representing limited partner interests and debt securities of Energy Transfer Partners, L.P. as described in this prospectus from time to time in one or more classes or series and in amounts, at prices and on terms to be determined by market conditions at the time of our offerings.

We may offer and sell these securities to or through one or more underwriters, dealers and agents, or directly to purchasers, on a continuous or delayed basis. This prospectus describes the general terms of these common units and debt securities and the general manner in which we will offer the common units and debt securities. The specific terms of any common units and debt securities we offer will be included in a supplement to this prospectus. The prospectus supplement will also describe the specific manner in which we will offer the common units and debt securities.

Investing in our common units and debt securities involves risks. Limited partnerships are inherently different from corporations. You should carefully consider the risk factors described under Risk Factors beginning on page 4 of this prospectus before you make an investment in our securities.

Our common units are traded on the New York Stock Exchange, or the NYSE, under the symbol ETP. We will provide information in the prospectus supplement for the trading market, if any, for any debt securities we may offer.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is January 13, 2011.

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In making your investment decision, you should rely only on the information contained or incorporated by reference in this prospectus. We have not authorized anyone to provide you with any other information. If anyone provides you with different or inconsistent information, you should not rely on it.

You should not assume that the information contained in this prospectus is accurate as of any date other than the date on the front cover of this prospectus. You should not assume that the information contained in the documents incorporated by reference in this prospectus is accurate as of any date other than the respective dates of those documents. Our business, financial condition, results of operations and prospects may have changed since those dates.

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we have filed with the Securities and Exchange Commission, or the SEC, using a shelf registration process. Under this shelf registration process, we may, over time, offer and sell any combination of the securities described in this prospectus in one or more offerings. This prospectus generally describes Energy Transfer Partners, L.P. and the securities. Each time we sell securities with this prospectus, we will provide you with a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may also add to, update or change information in this prospectus. Before you invest in our securities, you should carefully read this prospectus and any prospectus supplement and the additional information described under the heading **Where You Can Find More Information**. To the extent information in this prospectus is inconsistent with information contained in a prospectus supplement, you should rely on the information in the prospectus supplement. You should read both this prospectus and any prospectus supplement, together with additional information described under the heading **Where You Can Find More Information**, and any additional information you may need to make your investment decision. All references in this prospectus to **we**, **us**, **ETP**, the **Partnership** and refer to Energy Transfer Partners, L.P.

ENERGY TRANSFER PARTNERS, L.P.

We are a publicly traded limited partnership that owns and operates a diversified portfolio of energy assets. Our natural gas operations include intrastate natural gas gathering and transportation pipelines, two interstate pipelines, natural gas gathering, processing and treating assets located in Texas, New Mexico, Arizona, Louisiana, Arkansas, Mississippi, West Virginia, Colorado and Utah, and three natural gas storage facilities located in Texas. These assets include more than 17,500 miles of pipeline in service and a 50% interest in a joint venture that has approximately 185 miles of interstate pipeline in service. Our intrastate and interstate pipeline systems transport natural gas from several significant natural gas producing areas, including the Barnett Shale in the Fort Worth Basin in north Texas, the Bossier Sands in east Texas, the Permian Basin in west Texas and New Mexico, the San Juan Basin in New Mexico, the Fayetteville Shale in Arkansas, the Haynesville Shale in north Louisiana, the Eagle Ford Shale in south and central Texas, and other producing areas in Texas and Louisiana. Our gathering and processing operations are conducted in many of these same producing areas as well as in the Piceance and Uinta Basins in Colorado and Utah. We are also one of the three largest retail marketers of propane in the United States, serving more than one million customers across the country.

Our principal executive offices are located at 3738 Oak Lawn Avenue, Dallas, Texas 75219, and our telephone number at that location is (214) 981-0700.

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CAUTIONARY STATEMENT CONCERNING FORWARD-LOOKING STATEMENTS

This prospectus contains various forward-looking statements and information that are based on our beliefs and those of our general partner, as well as assumptions made by and information currently available to us. These forward-looking statements are identified as any statement that does not relate strictly to historical or current facts. When used in this prospectus, words such as anticipate, project, expect, plan, goal, forecast, intend, could, may, and similar expressions and statements regarding our plans and objectives for future operations, are intended to identify forward-looking statements. Although we and our general partner believe that the expectations on which such forward-looking statements are based are reasonable, neither we nor our general partner can give assurances that such expectations will prove to be correct. Forward-looking statements are subject to a variety of risks, uncertainties and assumptions. If one or more of these risks or uncertainties materialize, or if underlying assumptions prove incorrect, our actual results may vary materially from those anticipated, estimated, projected or expected. Among the key risk factors that may have a direct bearing on our results of operations and financial condition are:

the amount of natural gas transported on our pipelines and gathering systems;

the level of throughput in our natural gas processing and treating facilities;

the fees we charge and the margins we realize for our gathering, treating, processing, storage and transportation services;

the prices and market demand for, and the relationship between, natural gas and natural gas liquids, or NGLs;

energy prices generally;

the prices of natural gas and propane compared to the price of alternative and competing fuels;

the general level of petroleum product demand and the availability and price of propane supplies;

the level of domestic oil, propane and natural gas production;

the availability of imported oil and natural gas;

the ability to obtain adequate supplies of propane for retail sale in the event of an interruption in supply or transportation and the availability of capacity to transport propane to market areas;

actions taken by foreign oil and gas producing nations;

the political and economic stability of petroleum producing nations;

the effect of weather conditions on demand for oil, natural gas and propane;

availability of local, intrastate and interstate transportation systems;

the continued ability to find and contract for new sources of natural gas supply;

availability and marketing of competitive fuels;

the impact of energy conservation efforts;

energy efficiencies and technological trends;

governmental regulation and taxation;

changes to, and the application of, regulation of tariff rates and operational requirements related to our interstate and intrastate pipelines;

hazards or operating risks incidental to the gathering, treating, processing and transporting of natural gas and NGLs or to the transporting, storing and distributing of propane that may not be fully covered by insurance;

the maturity of the propane industry and competition from other propane distributors;

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competition from other midstream companies, interstate pipeline companies and propane distribution companies;

loss of key personnel;

loss of key natural gas producers or the providers of fractionation services;

reductions in the capacity or allocations of third-party pipelines that connect with our pipelines and facilities;

the effectiveness of risk-management policies and procedures and the ability of our liquids marketing counterparties to satisfy their financial commitments;

the nonpayment or nonperformance by our customers;

regulatory, environmental, political and legal uncertainties that may affect the timing and cost of our internal growth projects, such as our construction of additional pipeline systems;

risks associated with the construction of new pipelines and treating and processing facilities or additions to our existing pipelines and facilities, including difficulties in obtaining permits and rights-of-way or other regulatory approvals and the performance by third-party contractors;

the availability and cost of capital and our ability to access certain capital sources;

a deterioration of the credit and capital markets;

the ability to successfully identify and consummate strategic acquisitions at purchase prices that are accretive to our financial results and to successfully integrate acquired businesses;

changes in laws and regulations to which we are subject, including tax, environmental, transportation and employment regulations or new interpretations by regulatory agencies concerning such laws and regulations; and

the costs and effects of legal and administrative proceedings.

You should not put undue reliance on any forward-looking statements. When considering forward-looking statements, please review the risk factors described under **Risk Factors** in this prospectus.

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RISK FACTORS

An investment in our securities involves a high degree of risk. You should carefully consider the following risk factors, together with all of the other information included in, or incorporated by reference into, this prospectus in evaluating an investment in our securities. If any of these risks were to occur, our business, financial condition or results of operations could be adversely affected. In that case, the trading price of our common units or debt securities could decline and you could lose all or part of your investment. When we offer and sell any securities pursuant to a prospectus supplement, we may include additional risk factors relevant to such securities in the prospectus supplement.

Risks Inherent in an Investment in Us

Cash distributions are not guaranteed and may fluctuate with our performance and other external factors.

The amount of cash we can distribute to holders of our common units or other partnership securities depends upon the amount of cash we generate from our operations. The amount of cash we generate from our operations will fluctuate from quarter to quarter and will depend upon, among other things:

the amount of natural gas transported in our pipelines and gathering systems;

the level of throughput in our processing and treating operations;

the fees we charge and the margins we realize for our gathering, treating, processing, storage and transportation services;

the price of natural gas;

the relationship between natural gas and NGL prices;

the weather in our operating areas;

the cost to us of the propane we buy for resale and the prices we receive for our propane;

the level of competition from other midstream companies, interstate pipeline companies, propane companies and other energy providers;

the level of our operating costs;

prevailing economic conditions; and

the level of our derivative activities.

In addition, the actual amount of cash we will have available for distribution will also depend on other factors, such as:

the level of capital expenditures we make;

the level of costs related to litigation and regulatory compliance matters;

the cost of acquisitions, if any;

the levels of any margin calls that result from changes in commodity prices;

our debt service requirements;

fluctuations in our working capital needs;

our ability to make working capital borrowings under our credit facilities to make distributions;

our ability to access capital markets;

restrictions on distributions contained in our debt agreements; and

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the amount, if any, of cash reserves established by our general partner in its discretion for the proper conduct of our business.

Because of all these factors, we cannot guarantee that we will have sufficient available cash to pay a specific level of cash distributions to our unitholders.

Furthermore, unitholders should be aware that the amount of cash we have available for distribution depends primarily upon our cash flow, including cash flow from financial reserves and working capital borrowings, and is not solely a function of profitability, which will be affected by non-cash items. As a result, we may make cash distributions during periods when we record net losses and may not make cash distributions during periods when we record net income.

We may sell additional limited partner interests, diluting existing interests of unitholders.

Our partnership agreement allows us to issue an unlimited number of additional limited partner interests, including securities senior to the common units, without the approval of our unitholders. The issuance of additional common units or other equity securities will have the following effects:

the current proportionate ownership interest of our unitholders in us will decrease;

the amount of cash available for distribution on each common unit or partnership security may decrease;

the relative voting strength of each previously outstanding common unit may be diminished; and

the market price of the common units or partnership securities may decline.

Future sales of our units or other limited partner interests in the public market could reduce the market price of unitholders' limited partner interests.

As of December 31, 2010, Energy Transfer Equity, L.P., or ETE, owned 50,226,967 ETP common units. ETE also owns our general partner. If ETE were to sell and/or distribute its common units to the holders of its equity interests in the future, those holders may dispose of some or all of these units. The sale or disposition of a substantial portion of these units in the public markets could reduce the market price of our outstanding common units.

In August 2009, we filed a registration statement to register 12,000,000 ETP common units held by ETE, which allows ETE to offer and sell these ETP common units from time to time in one or more public offerings, direct placements or by other means.

Our debt level and debt agreements may limit our ability to make distributions to unitholders and may limit our future financial and operating flexibility.

As of September 30, 2010, we had approximately \$6.0 billion of consolidated debt, excluding the credit facilities of our joint ventures and of Midcontinent Express Pipeline, LLC, which we guarantee in part. Our level of indebtedness affects our operations in several ways, including, among other things:

a significant portion of our cash flow from operations will be dedicated to the payment of principal and interest on outstanding debt and will not be available for other purposes, including payment of distributions;

covenants contained in our existing debt agreements require us to meet financial tests that may adversely affect our flexibility in planning for and reacting to changes in our business;

our ability to obtain additional financing for working capital, capital expenditures, acquisitions and general partnership purposes may be limited;

we may be at a competitive disadvantage relative to similar companies that have less debt;

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we may be more vulnerable to adverse economic and industry conditions as a result of our significant debt level; and

failure to comply with the various restrictive covenants of our debt agreements could negatively impact our ability and the ability of our subsidiaries to incur additional debt, including our ability to utilize the available capacity under our revolving credit facilities, and our ability to pay our distributions.

Construction of new pipeline projects will require significant amounts of debt and equity financing which may not be available to us on acceptable terms, or at all.

We plan to fund our growth capital expenditures, including any new pipeline construction projects we may undertake, with proceeds from sales of our debt and equity securities and borrowings under our revolving credit facility; however, we cannot be certain that we will be able to issue our debt and equity securities on terms satisfactory to us, or at all. If we are unable to finance our expansion projects as expected, we could be required to seek alternative financing, the terms of which may not be attractive to us, or to revise or cancel our expansion plans.

As of September 30, 2010, we had approximately \$6.0 billion of total debt. A significant increase in our indebtedness that is proportionately greater than our issuances of equity could negatively impact our credit ratings or our ability to remain in compliance with the financial covenants under our revolving credit agreement, which could have a material adverse effect on our financial condition, results of operations and cash flows.

Increases in interest rates could adversely affect our business, results of operations, cash flows and financial condition.

In addition to our exposure to commodity prices, we have exposure to increases in interest rates. As of September 30, 2010, we had no variable rate debt outstanding. However, we had fixed-to-floating interest rate swaps outstanding as of September 30, 2010 with total notional amounts of \$400.0 million that are not designated as hedges for accounting purposes. To the extent that we have variable rate debt or interest rate swaps outstanding, our results of operations, cash flows and financial condition could be adversely affected by increases in interest rates.

An increase in interest rates may also cause a corresponding decline in demand for equity investments, in general, and in particular for yield-based equity investments such as our common units. Any such reduction in demand for our common units resulting from other more attractive investment opportunities may cause the trading price of our common units to decline.

The credit and risk profile of our general partner and its owners could adversely affect our credit ratings and profile.

The credit and business risk profiles of our general partner, and of ETE as the indirect owner of our general partner, may be factors in credit evaluations of us as a publicly traded limited partnership due to the significant influence of our general partner and ETE over our business activities, including our cash distributions, acquisition strategy and business risk profile. Another factor that may be considered is the financial condition of our general partner and its owners, including the degree of their financial leverage and their dependence on cash flow from us to service their indebtedness.

ETE has significant indebtedness outstanding and is dependent principally on the cash distributions from its general and limited partner equity interests in us and in Regency Energy Partners LP, or Regency, to service such indebtedness. Any distributions by us to ETE will be made only after satisfying our then current obligations to our

creditors. Although we have taken certain steps in our organizational structure, financial reporting and contractual relationships to reflect the separateness of us, Energy Transfer Partners GP, L.P., or ETP GP, and Energy Transfer Partners, L.L.C., or ETP LLC, from the entities that control ETP GP (ETE and its general partner), our credit ratings and business risk profile could be adversely affected if the ratings and risk profiles of such entities were viewed as substantially lower or riskier than ours.

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The general partner is not elected by the unitholders and cannot be removed without its consent.

Unlike the holders of common stock in a corporation, unitholders have only limited voting rights on matters affecting our business, and therefore limited ability to influence management's decisions regarding our business. Unitholders did not elect our general partner and will have no right to elect our general partner on an annual or other continuing basis. Although our general partner has a fiduciary duty to manage us in a manner beneficial to our unitholders, the directors of our general partner and its general partner have a fiduciary duty to manage the general partner and its general partner in a manner beneficial to the owners of those entities.

Furthermore, if the unitholders are dissatisfied with the performance of our general partner, they will have little ability to remove our general partner. The general partner generally may not be removed except upon the vote of the holders of 66²/₃% of the outstanding units voting together as a single class, including units owned by the general partner and its affiliates. As of December 31, 2010, ETE and its affiliates held approximately 26% of our outstanding units, with an additional approximate 1% of our outstanding units held by our officers and directors. Consequently, it could be difficult to remove our general partner without the consent of the general partner and our related parties.

Furthermore, unitholders' voting rights are further restricted by the partnership agreement provision providing that any units held by a person that owns 20% or more of any class of units then outstanding, other than the general partner and its affiliates, cannot be voted on any matter.

The control of our general partner may be transferred to a third party without unitholder consent.

Our general partner may transfer its ge