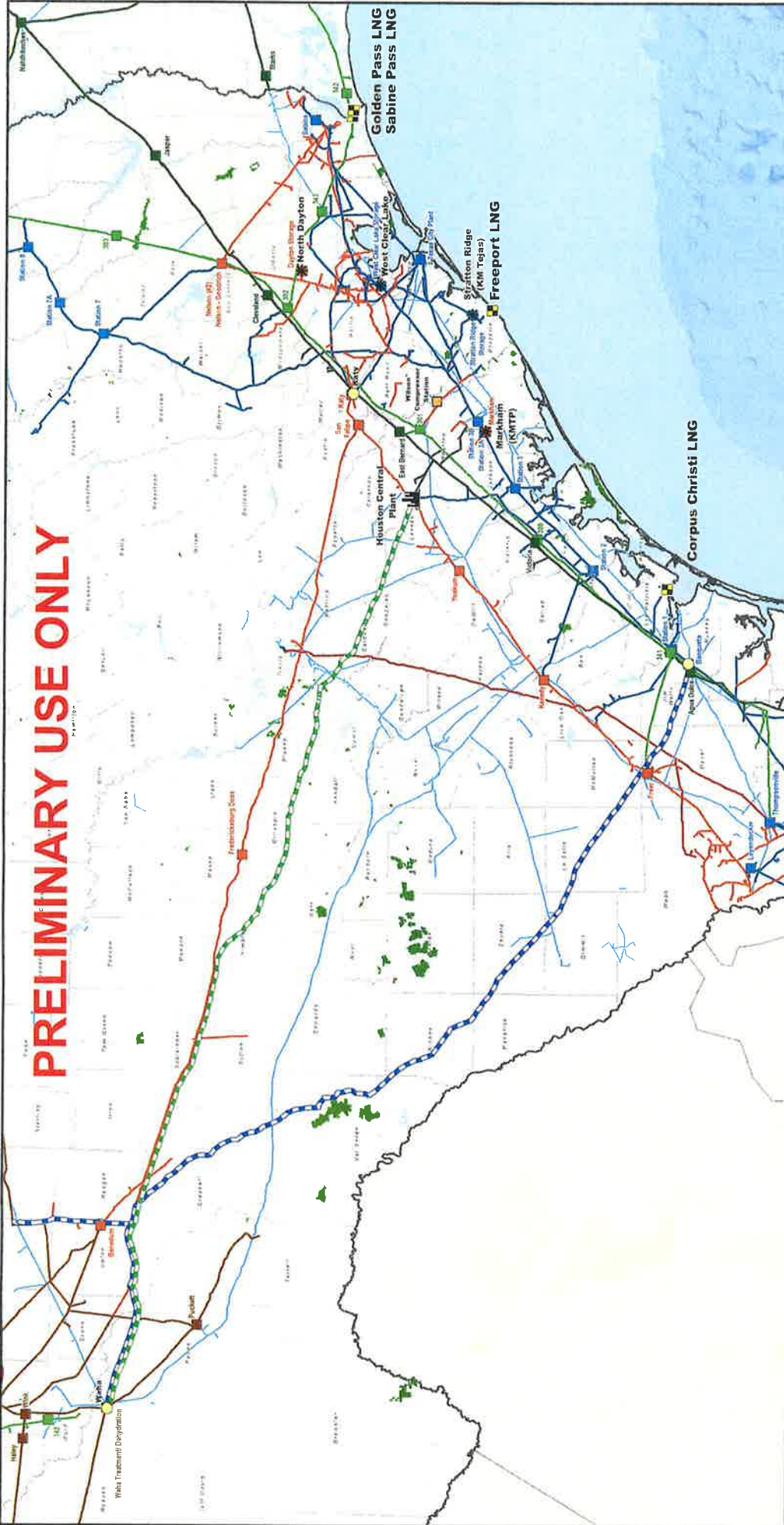


PRELIMINARY USE ONLY



Legend

- Hub
- KM Plants
- EPNG Compressor Station
- KM Texas Compressor Station
- NSPL Compressor Station
- TGP Compressor Station
- KM Texas Compressor Station
- LNG Facility
- Gas Storage

KM Existing Pipelines

- EPNG
- HPL / KM JV
- KWTP

Third Party Pipelines

- Enterprise Pipeline - Natural Gas

Preliminary Routes

- Gulf Coast Express Pipeline (+/-447 Mi.)
- Permian Highway Pipeline (PHP) (+/-425 Mi.)

National Conservation Easement Database

- TX NCE

Site Location

NOTICE
KINDER MORGAN, INC.
PRIVILEGED OR CONFIDENTIAL INFORMATION

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Created by: emh/mj Map ID: GIS255-109 Date: 8/22/2019

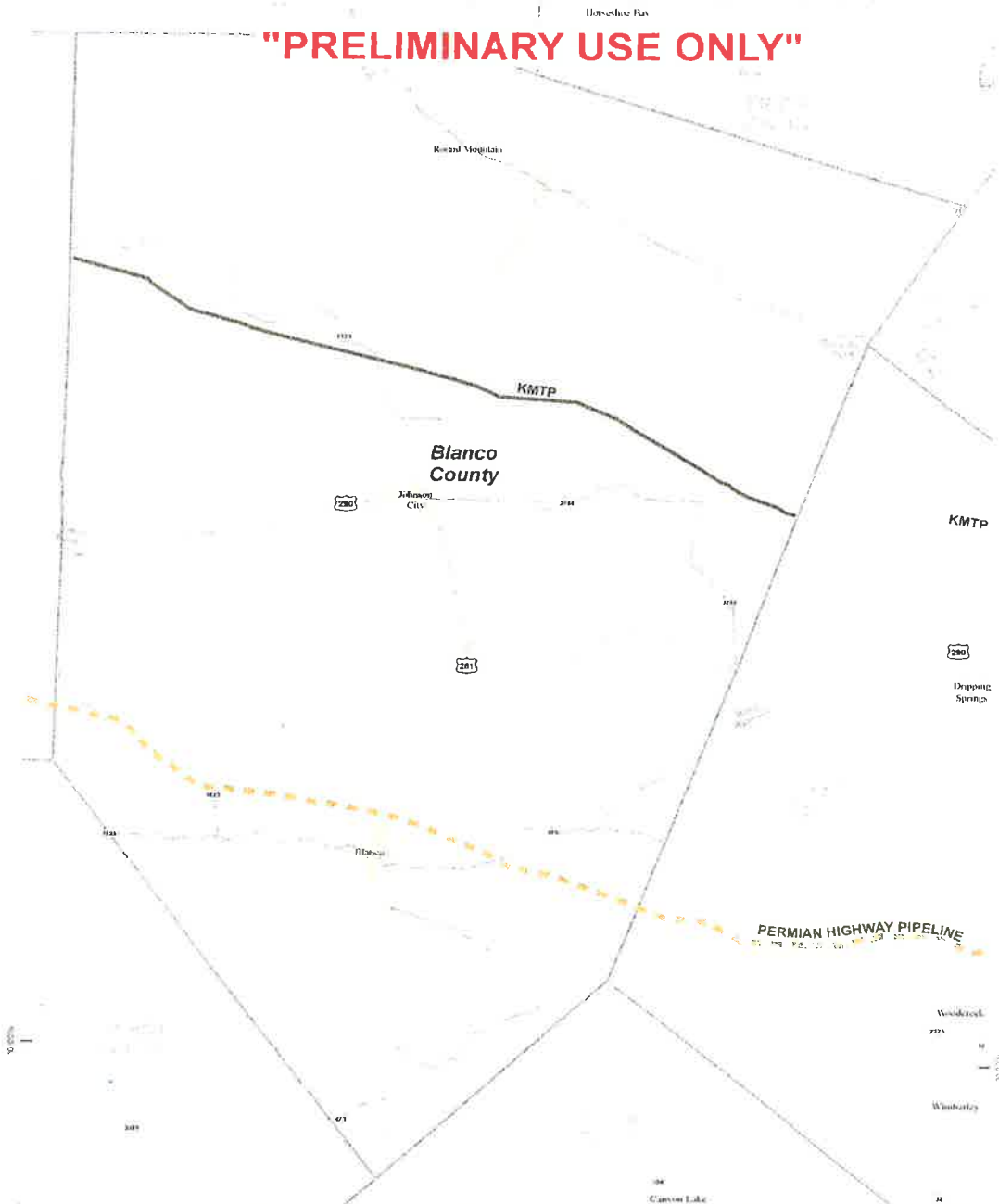
KINDER MORGAN

PERMIAN HIGHWAY PROJECT

OVERALL MAP

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Blanco County



Site Location 	<ul style="list-style-type: none">— KMTX (Texas Pipeline)- - - Permian Highway Pipeline	<p>Scale in Miles</p>	 Blanco County, TX Pipeline Map <small>GIS Mapping: PERMIAN HIGHWAY PIPELINE AND PROPERTY LINE AND OTHER DATA SYSTEMS ARE PROVIDED AS A SERVICE TO OUR CLIENTS. KINDER MORGAN AND ITS AFFILIATED COMPANIES DO NOT WARRANT THE ACCURACY OF THE DATA OR THE RESULTS OF THE ANALYSIS. KINDER MORGAN AND ITS AFFILIATED COMPANIES SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS INFORMATION.</small>
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Blanco County

Kinder Morgan in Blanco County

Economic Impact

- Kinder Morgan paid over \$30,000 to state and local taxing bodies in Blanco County in 2017.

Kinder Morgan Existing Assets *(owned and/or operated)*

- **Kinder Morgan Texas Pipeline:** ~24.6 miles



Proposed Permian Highway Pipeline Project

The approximately \$2 billion PHP Project will provide an outlet for increased natural gas production from the Permian Basin to growing market areas along the Texas Gulf Coast and is designed to transport up to 2 billion cubic feet per day (Bcf/d) of natural gas through approximately 430 miles of 42-inch pipeline from the Waha to Katy, Texas, areas, with connections to the U.S. Gulf Coast and Mexico markets. The PHP Project is expected to be in service in late 2020, assuming timely receipt of the requisite regulatory approvals.

In Blanco County:

- **Proposed Permian Highway Pipeline (42" diameter):** ~19.5 miles

Texas Fact Sheet



Who We Are:

Kinder Morgan is one of the largest energy infrastructure companies in North America. We own an interest in or operate approximately 85,000 miles of pipelines and 152 terminals. Our pipelines transport natural gas, gasoline, crude oil, carbon dioxide (CO₂) and more. Our terminals store and handle petroleum products, chemicals and other products.

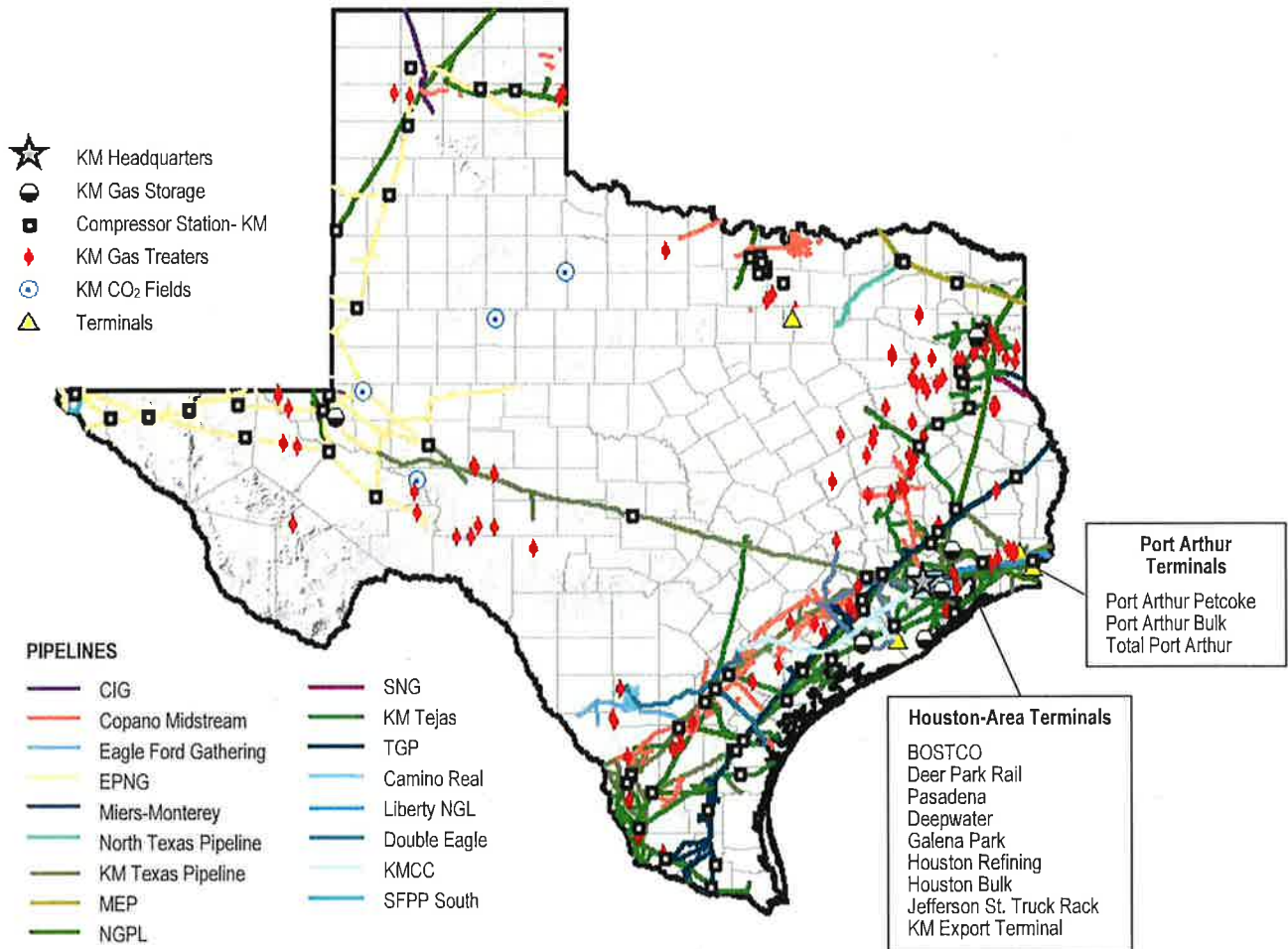
Kinder Morgan is committed to being a good corporate citizen and conducting ourselves in an ethical and responsible manner. We spend hundreds of millions of dollars each year on integrity management and maintenance programs to operate our assets safely and to protect the public, our employees, contractors and the environment. Operationally, we continue to perform better than our industry peers relative to environmental, health and safety measures.

Our Economic Impact in Texas:

- »We employed over 4,946 people in 2017.
- »We maintained a payroll of over \$574 million in 2017.
- »We paid over \$122 million to local and state taxing bodies in 2017.

Our Operations in Texas:

Kinder Morgan has more assets in the state of Texas than in any other state. Texas is home to many different Kinder Morgan assets including natural gas pipelines, CO₂ assets, products pipelines, and terminals. Kinder Morgan owns and/or operates approximately 26,000 miles of pipelines and 15 terminals throughout Texas.



Natural Gas Pipelines

Tennessee Gas Pipeline (TGP) is an approximately 11,750-mile pipeline system that transports natural gas from Louisiana, the Gulf of Mexico and south Texas, to the northeast section of the United States, including New York City and Boston.

Natural Gas Pipeline Company of America (NGPL) is the largest transporter of natural gas into the high-demand Chicago market and one of the largest interstate pipeline systems in the country. NGPL is also a major transporter of gas to large liquefied natural gas (LNG) export facilities and other markets located on the Texas and Louisiana Gulf Coast. NGPL has approximately 9,100 miles of pipeline, more than 1 million compression horsepower and 288 billion cubic feet of working gas storage. NGPL provides its customers access to all major natural gas supply basins directly and through its numerous interconnects with intrastate and interstate pipeline systems. NGPL is jointly owned by Kinder Morgan and Brookfield Infrastructure Partners L.P. The entity has a dedicated management team and is operated by Kinder Morgan.

Florida Gas Transmission (FGT) is an approximately 5,300-mile system that transports natural gas from south Texas to south Florida. FGT is owned by Florida Gas Transmission Company, LLC, a 100 percent owned subsidiary of Citrus Corp. Citrus is a 50/50 joint venture between Kinder Morgan and Energy Transfer Partners.

El Paso Natural Gas (EPNG) is a 10,140-mile pipeline system which transports natural gas from the San Juan, Permian and Anadarko basins to California, Arizona, Nevada, New Mexico, Oklahoma, Texas and northern Mexico. EPNG also owns approximately 44 billion cubic feet of underground working natural gas storage capacity in southeast New Mexico.

Southern Natural Gas (SNG) is an approximately 6,900-mile pipeline system extending from natural gas supply basins in Louisiana, Mississippi and Alabama, to market areas in Louisiana, Mississippi, Alabama, Florida, Georgia, South Carolina and Tennessee, including the metropolitan areas of Atlanta and Birmingham. SNG is a principal natural gas transporter to southeastern markets in Alabama, Georgia and South Carolina, which are some of the fastest growing natural gas demand regions in the United States. The SNG system is also connected to Southern LNG's Elba Island LNG terminal near Savannah, Georgia.

Colorado Interstate Gas (CIG) Pipeline is a 4,350-mile pipeline system that transports natural gas from production areas in the U.S. Rocky Mountains directly to customers in Colorado and Wyoming, and indirectly to the Midwest, the southwest, California and the Pacific Northwest.

CIG also owns interests in five storage facilities located in Colorado and Kansas, which collectively have approximately 43 billion cubic feet of underground working natural gas storage capacity (includes Young Gas Storage capacity). CIG owns a 50 percent ownership interest in WYCO Development LLC, or WYCO, a joint venture with an affiliate of Xcel Energy, and operates WYCO's High Plains pipeline and Totem Gas Storage facility.

Midcontinent Express Pipeline (MEP) is a 510-mile interstate natural gas pipeline which originates near Bennington, Oklahoma, and terminates at an interconnection with Transcontinental Gas Pipe Line near Butler, Alabama. Kinder Morgan owns 50 percent of MEP and Energy Transfer Partners owns 50 percent.

Southern Midstream Assets

Kinder Morgan Tejas Pipeline is an approximately 3,500-mile intrastate pipeline system located primarily along the Texas Gulf Coast which transports, purchases and sells natural gas in the Texas Intrastate market.

Kinder Morgan Texas Pipeline (KMTP) is an approximately 2,100-mile intrastate pipeline system located primarily along the Texas Gulf Coast which transports, purchases and sells natural gas in the Texas Intrastate market. KMTP also offers firm and interruptible sale, purchase, transportation and storage services.

Mier-Monterrey Pipeline is a 90-mile pipeline that stretches from the International Border between the United States and Mexico in Starr County, Texas, to Monterrey, Mexico. The pipeline currently has a capacity to transport 640,000 MMBtu per day and is currently being evaluated for further expansion. The pipeline connects

to electric generation assets in the Monterrey area and to the Cenagas natural gas transportation system in Monterrey.

North Texas Pipeline consists of an 80-mile pipeline that transports natural gas from an interconnect with Natural Gas Pipeline Company of America (NGPL) in Lamar County, Texas, to a 1,750-megawatt electric generating facility located in Forney, Texas. The system is bi-directional, permitting deliveries of additional supply from the Barnett Shale area to NGPL's pipeline as well as power plants in the area.

Camino Real Gathering System provides gas and oil gathering services in the Eagle Ford Shale play in La Salle County, Texas. The gas is redelivered for the producers to interconnects with Kinder Morgan's Eagle Ford Gathering system, Energy Transfer, Enterprise and Regency. The oil system receives a broad range of API gravities of oil from central batteries into a 69-mile pipeline system with over 110,000 barrels per day of capacity. The oil is blended to a common stream with under 45 API gravity at the Storey Oil Terminal near Cotulla, Texas.

Houston Central Complex is located near the city of Sheridan in Colorado County, and is the largest gas processing plant on the Texas Gulf Coast. It provides treating, processing, natural gas liquid fractionation and pipeline transportation services. The complex has approximately 1.1 billion cubic feet per day of cryogenic processing capacity. The facility also includes a 1,300 gallons per minute amine treating system, a 44,000 barrels per day natural gas liquids fractionation facility, a truck rack to facilitate the transport of natural gas liquids and 21,000 barrels of natural gas liquids storage capacity.

- **Eagle Ford Gathering** consists of approximately 111 miles of 24- and 30-inch pipeline originating from Kinder Morgan's Freer Compressor Station in Duval County, Texas, through the heart of the Eagle Ford Shale in McMullen, LaSalle, Dimmit and Webb counties, and is designed to gather and deliver up to 780,000 MMBtu per day into Kinder Morgan's Laredo-Katy 30-inch pipeline at Freer for compression and transportation to the Houston Central Complex.
- **DK Pipeline** consists of approximately 142 miles of 24-inch pipeline originating at the Houston Central Complex serving Bee, Colorado, DeWitt, Karnes, Lavaca, and Live Oak Counties in Texas through some of the most prolific acreage in the Eagle Ford Shale, including the Karnes Trough, and is designed to gather and deliver up to 500,000 MMBtu per day for compression and delivery into the Houston Central Complex.
- **Sheridan Gathering** consists of approximately 185 miles of 6-inch to 14-inch pipeline originating at the Houston Central Complex serving Colorado, DeWitt, Lavaca and Wharton Counties in Texas, and is designed to gather and treat field production from the areas surrounding the Houston Central Complex.
- **Liberty NGL Pipeline** extends approximately 87 miles from Kinder Morgan's Houston Central Complex in Colorado County, Texas, to a natural gas liquids storage facility in Matagorda County, Texas, and then to Formosa's fractionation facility near Point Comfort, Texas. Liberty is owned through a 50/50 joint venture with Energy Transfer Partners.

EagleHawk Field Services is a joint venture between Kinder Morgan (25 percent) and a subsidiary of BHP Billiton (75 percent) which owns, operates and is actively developing natural gas and condensate gathering facilities located in the prolific Eagle Ford shale formation of south Texas. The system has 530 miles of pipelines.

- **The Hawkville System**, located in La Salle and McMullen counties, currently delivers gas into Enterprise, Copano and Regency pipelines. Condensate volumes gathered on the Hawkville System are currently being transported by truck, as well as the Harvest (Arrowhead) Pipeline.
- **The Blackhawk System**, located in Dewitt County, currently delivers gas into Enterprise, Copano and ETC pipelines. Condensate volumes gathered on the Blackhawk System are currently being transported by truck, Enterprise's pipeline and Kinder Morgan's Crude and Condensate pipeline.

Upper Gulf Coast System gathers natural gas from counties to the north of Houston, Texas, and transports the product to utilities and industrial customers.

Northern Midstream Assets

Saint Jo System gathers, compresses, treats and processes gas from wells in the Barnett Shale Combo play in Cooke, Denton, Montague and Wise counties of North Texas. The Saint Jo Plant has condensate stabilization

facilities, a 1,500 gallons per minute amine treater to remove carbon dioxide and a 100 million cubic feet per day high natural gas liquid recovery cryogenic plant with ethane rejection capability

Products Pipelines

Cypress Pipeline is an interstate common carrier natural gas liquids pipeline originating at storage facilities in Mont Belvieu, Texas, and extending 104 miles east to Lake Charles, Louisiana.

Double Eagle Pipeline is a 50/50 joint venture between Kinder Morgan and Magellan Midstream Partners which delivers Eagle Ford shale condensate to customers in Corpus Christi, Texas. The pipeline is 204 miles long and has a capacity of 100,000 barrels per day. Kinder Morgan serves as operator of Double Eagle pipeline.

Kinder Morgan Crude and Condensate Pipeline (KMCC) is a 264-mile pipeline which originates in the Eagle Ford shale in Texas and delivers crude/condensate to multiple terminals with access to refineries, petrochemical plants and docks on the Texas Gulf Coast. With a design capacity of 300,000 bpd, KMCC currently has origin points in Karnes, DeWitt and Gonzales counties in the Eagle Ford shale and also has access to western Eagle Ford production via an interconnect with the Double Eagle pipeline.

SFPP East Line consists of approximately 400 miles of pipeline originating in El Paso, Texas, transporting products to Tucson and Phoenix, Arizona.

Kinder Morgan CO₂ is the largest transporter of carbon dioxide in North America. We transport approximately 1.2 billion cubic feet per day of CO₂ from our source fields in southwest Colorado to New Mexico and West Texas for use in enhanced oil recovery (EOR) projects. The CO₂ helps unlock and recover crude oil from mature oil fields and residual oil zones. We use a good portion of this CO₂ in our own EOR projects, and we sell CO₂ to third-party customers. On the production side, we produce approximately 55,000 barrels of oil per day, much of which comes from our large SACROC Unit in the Permian Basin of West Texas.

Kinder Morgan Terminals: Our terminals store and handle petroleum products, chemicals and other products. We have a combined liquids storage capacity of approximately 151 million barrels and handle about 59 million tons of dry bulk materials annually. We also own and operate 16 Jones Act-qualified product tankers, each with 330,000 barrels of cargo capacity, which are engaged in the marine transportation of crude oil, condensate and refined products in the United States.

Texas Terminals:

***Note: Only includes Terminals that are part of the Terminals Business Unit*

Terminal	Employees	Size	Storage Capacity	Commodities Handled	Terminal Services
Galena Park Terminal (Galena Park, TX)	179	489 acres	~10 million barrels	Petroleum products, chemicals, lube oil, ethanol	<ul style="list-style-type: none"> - Pipeline connections to 12 inbound lines and 10 outbound lines; - Vessel and barge loading/unloading via four barge docks and five ship docks capable of accommodating up to Panamax size vessels; - 111 spots for manifest railcar loading/unloading and storage for an additional 143 railcars, served by Union Pacific & PTRC; - Nine multi-lane truck racks with 14 individual stations for loading/unloading; - Product blending, additive handling/injection and other services
Pasadena Terminal (Pasadena, TX)	137	341 acres	~19 million barrels	Petroleum products, ethanol, crude and segregated chemicals	<ul style="list-style-type: none"> - Pipeline connections to 22 inbound line and 12 outbound lines including Colonial and Explorer; - Connected to KM facilities in the Houston Ship Channel including Galena Park, Kinder Morgan Export Terminal, Deer Park

					<ul style="list-style-type: none"> - Rail Terminal and Jefferson Street Truck Rack; - Marine service via five barge docks and three ship docks to accommodate up to Panamax size vessels. - Vessel loading/unloading via three ship docks capable of accommodating up to Panamax size vessels; - Barge loading/unloading via five barge docks; - Tank truck unloading via two-bay rack; - KMLT lab testing and other services
BOSTCO Terminal (La Porte, TX)	88	185 acres	~7 million barrels	Residual fuel oil, feedstocks, crude, distillates, blend stocks and ULSD	<ul style="list-style-type: none"> - Barge loading/unloading via 12 barge spots; - Ship loading/unloading via two ship berths capable of handling up to Suezmax size vessels; - Inbound pipeline connection from Exxon Baytown (ULSD) - Railcar unloading served by Union Pacific; - Truck loading/unloading, product blending and other services
Dallas Ft. Worth Rail Terminal (Eules, TX)	12	15 acres	130,000 barrels	Ethanol	<ul style="list-style-type: none"> - Direct pipeline connection to Flint Hills Resources Eules Fuels Terminal; - 84 railcar spots for ethanol unloading served by Union Pacific; - High speed automated truck rack; - Gasoline/ethanol blending
Jefferson Street Truck Rack (Pasadena, TX)	13	20 acres	620,000 barrels	Gasoline, diesel, ethanol, biodiesel and jet fuel	<ul style="list-style-type: none"> - Automated truck rack loading; - Four pipeline connections including direct connections to Exxon Baytown/ COLEX and Kinder Morgan Pasadena/ DPRT; - Product blending, additive handling/ injection and other services
Deepwater Terminal (Pasadena, TX)	49	136 acres	1.6 million tons	Petcoke and coal	<ul style="list-style-type: none"> - Conveyor to storage; - Storage to vessel via traveling ship loader on dock; - Railcar to storage
Deer Park Rail Terminal (Pasadena, TX)	29	75 acres	160,000 barrels ethanol	Base oils, magnesia, ethanol, steel products, transload of plastic pellets	<ul style="list-style-type: none"> - One direct pipeline connection to Kinder Morgan Pasadena, Jefferson Street Truck Rack and Phillips 66; - 20 railcar spots for simultaneous ethanol offloading; - 60 railcar spots for simultaneous crude offloading with direct connection to Shell Deer Park Refinery; - 750 spots for hazardous and non-hazardous railcar storage
Houston Refining Terminal (Houston, TX)	38	N/A	2,100,000 tons	Petcoke	<ul style="list-style-type: none"> - Refinery to railcar transfer; - Unit trains to crushing and to storage terminal; - In-plant petcoke handling and crushing
Port Arthur Petcoke Terminal (Port Arthur, TX)	33	N/A	500,000 tons	Petcoke	<ul style="list-style-type: none"> - Conveyor to storage, storage to vessel; - Dedicated to Valero operations
Port Arthur Bulk Facility (Port Arthur, TX)	20	3.2 acres	150 railcars	Soda Ash	<ul style="list-style-type: none"> - Railcar to ship transfers; - Railcar to supersack to ship and container
Total Port Arthur Terminal (Port Arthur, TX)	26	N/A	1 million tons	Petcoke	<ul style="list-style-type: none"> - Coke cutting to coke pit to conveyor; - Storage to/from vessel via traveling shiploader; - Conveyor to/from storage

Houston Bulk Terminal (Houston, TX)	58	N/A	600,000 tons	Petcoke	<ul style="list-style-type: none"> - Facility is owned by Port of Houston and operated by Kinder Morgan for long-term dedicated customers; - Railcar, barge and vessel to storage; - Storage to vessel
Port of Beaumont Terminal (Beaumont, TX)	10	N/A	250,000 tons	Aggregates	<ul style="list-style-type: none"> - Facility is owned by Port of Beaumont and is operated by Kinder Morgan for long-term, dedicated customers; - Vessel to storage for bulk products; - Railcar loading/unloading (unit trains); - Truck loading
Sweeny Terminal (Sweeny, TX)	25	N/A	75,000 tons	Petcoke	<ul style="list-style-type: none"> - Refinery to storage, storage to unit trains; - Dedicated to ConocoPhillips operations
Kinder Morgan Export Terminal (Pasadena, TX)	20	41 acres	1.4 million barrels	Clean petroleum products and chemicals	<ul style="list-style-type: none"> - Multiple pipeline connections to Kinder Morgan Galena Park, Pasadena and Houston Refining; - Marine service via one barge dock and one ship dock to accommodate up to Panamax size vessels; - Facility designed to export refined products and chemicals worldwide



The Kinder Morgan Foundation believes that today's youth are tomorrow's leaders, and our mission is to provide them with opportunities to learn and grow. Our goal is to help today's science, math and music students become the engineers, educators and musicians who will support our diverse communities for many years to come. To accomplish this goal, we fund programs that promote the academic and artistic interests of young people in the many cities and towns across North America where Kinder Morgan operates. To learn more about the programs we fund, please read our guidelines below.

Eligibility

- We provide program support only. (Libraries may apply for capital projects-see Restrictions for more information.)
- Kinder Morgan must have operations in the community served by the program. General location information is available on the About Us page. Contact us if you have questions.
- The program must benefit youth in grades K-12 only.
- Non profits, public schools and private schools may apply.
- In the United States, non profits and private schools must have 501(c)(3) designation from the Internal Revenue Service. (Not applicable to public schools.)

Grant Amounts and Frequency

Our grants are between \$1,000 and \$5,000. We will not provide support more than once per calendar year to the same organization, and we prefer to provide support on a year-to-year basis rather than make multi-year commitments.

Deadlines and Review Process

Our deadlines are the 10th of every other month beginning in January. (We will accept applications postmarked on or before a deadline.) We will notify you of our board's decision on your application 60 to 90 days after we receive it.

All grant applications must be submitted in writing. The proposal narrative should be three pages or less and include the following information:

- Legal name of the organization, address (no post office boxes), telephone number, and name, title and e-mail address of contact person.
- Amount of request.
- History of the organization and its mission.
- Description of current programs, activities and accomplishments.
- Statement of need including description of target population and issue(s) to be addressed.
- Description of the program, how it meets the needs listed above and its geographical reach.
- Program's goals, objectives and tactics.
- Timeline for implementation.
- List of other collaborative agencies and their role in the program to be funded.
- Expected results of the program, and the tools and methods used to measure success.

U.S. organizations must also attach:

- A copy of their IRS 501(c)(3) designation letter.
- A current budget.

Restrictions

The following are not eligible for grants:

- Individual applicants or individual pursuits
- Political causes, candidates or lobbying efforts
- Programs or organizations outside the United States or Canada
- Operating expenses
- Capital projects (except libraries)
- Projects of religious denominations
- Advertising
- Sponsorships
- Service clubs, fraternal organizations or third-party fundraisers
- Travel for individuals or groups
- Conventions, conferences, seminars or other special events
- Mentoring, leadership, stewardship or other social development programs
- Programs that include age groups outside our K-12 criteria

Mail your grant application to:

Kinder Morgan Foundation
370 Van Gordon Street
Lakewood, CO 80228

Contact us for more information:

[www.kindermorgan.com/community/
km_foundation@kindermorgan.com](http://www.kindermorgan.com/community/km_foundation@kindermorgan.com)
(303) 914-7655



Permian Highway Pipeline Project Fact Sheet

Project Overview:

- Kinder Morgan Texas Pipeline (KMTP) and EagleClaw Midstream Ventures (EagleClaw) announced a final investment decision to proceed with the Permian Highway Pipeline Project (PHP Project). KMTP and EagleClaw will be the initial partners, each with a 50 percent ownership interest in the project. Apache will have the option to acquire equity from the initial partners and has announced its intent to assign that option to Altus Midstream, a new company announced by Apache and Kayne Anderson Acquisition Corp.
- The approximately \$2 billion PHP Project is designed to transport up to 2.0 billion cubic feet per day of natural gas through approximately 430 miles of 42-inch pipeline from the Waha market area near Cayanosa, Texas, to U.S. Gulf Coast markets. KMTP will build and operate the pipeline.
- A number of federal and state agencies will be involved with the approval and oversight of the PHP Project, including and not limited to the Railroad Commission of Texas, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Texas Historical Commission, Texas Commission on Environmental Quality, Texas General Land Office and Native American tribes as applicable.

Project Benefits:

- The PHP Project will provide an outlet for increased natural gas production from the Permian Basin to growing market areas along the U.S. Gulf Coast, including new LNG facilities that will be in service in the next few years.
- The PHP Project will generate directly an estimated 2,500 local construction jobs and 18 full-time, ongoing positions following construction and will help continue to accelerate the development and job creation from the booming oil and gas activity throughout Texas.
- When complete, the new facilities constructed as part of the PHP Project will generate approximately \$42 million of increased annual revenue to applicable state and local taxing bodies.

Estimated Project Schedule:

- Stakeholder Outreach: Ongoing
- Civil and Environmental Surveys: September 2018 – June 2019
- Begin Construction: Fall 2019
- Proposed In-Service Date: Fourth Quarter of 2020

PRELIMINARY USE ONLY

