

VOLUME 48 | JUNE/JULY 2020

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**DMI International**

Bending Pipes, Breaking Expectations



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Send your comments,  
stories and pipeline photos  
to [tbostic@pipelinejobs.com](mailto:tbostic@pipelinejobs.com)

### EVENT CALENDAR

The **APCA 2020 Convention** has been postponed. The 2020 convention will now be held at:  
Trump International Hotel  
Washington DC  
October 6 - 11, 2020

**Pipeline Reunion**  
The 2020 Pipeline Reunion that was to be held in Broken Bow, OK has been postponed.

### Disclaimer

While readers of this publication receive the benefit of our comments, none of the information contained herein constitutes a recommendation from us. Although we do our very best to provide the most accurate information available, the contents of this publication should be used as a guide and not as official information.

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**PLEASE NOTE:**

Many of the following jobs may be delayed due to COVID-19.

**Columbia Gas Transmission** has awarded contracts for the **Buckeye Xpress Project**. The project will include approx. 66.2 miles of 36-inch pipeline; and abandoning approximately 60.8 miles of 20- and 24-inch pipeline and appurtenances to be located in Vinton, Jackson, Gallia, and Lawrence Counties, Ohio and Wayne County, West Virginia Columbia. Contractors are: **Price Gregory International**, ph (713) 780-7500, **U. S. Pipeline, Inc.**, ph (281) 531-6100, and **Associated Pipe Line Contractors**, ph (713) 789-4311. Work is anticipated to begin in June 2020.

**B & N Clearing and Environmental, LLC**, ph (479) 313-6377 has been awarded a contract by Price Gregory International, Inc. for the clearing and matting of approximately 24.5 miles of 36-inch pipeline right-of-way in Vinton and Jackson Counties, Ohio. Headquarters is in Oak Hill, Ohio. Superintendent is Kevin Newcomb.

**Hoover Construction Company**, ph (210) 224-5871 has been awarded a contract by U.S. Pipeline, Inc. for drilling and blasting on approximately 19 miles of 36-inch pipeline right-of-way in Jackson, Gallia and Lawrence Counties, Ohio.

Headquarters is Jackson, Ohio. Superintendent is Tom Froehlingsdorf.

**Michels Corp.**, ph (920) 583-3132 has been awarded a contract for the **Gulf South Index 99 Project**. the project includes construction of approximately 22 miles of 30-inch natural gas pipeline which will parallel along existing utility rights-of-way, including Gulf South's existing Index 99 located in San Augustine and Sabine Counties, Texas. Work is slated to begin in June 2020.

**Crossfire, LLC**, ph (970) 946-8927 has been awarded a contract by New Mexico Gas for the Santa Fe Loop, approximately 35 miles of 20-inch pipeline. Work to begin in late May 2020 or early June 2020.

**Aaron Enterprises, Inc.**, ph (717) 854-2641 has been awarded a contract by Infrasource, LLC for the installation of approximately 1,400 feet of 24-inch pipeline via horizontal directional drilling in Boone County, Kentucky. Superintendent is Randy Bunch. The approximate starting date was May 18, 2020.

**Williams** has plans for the take up of 12-inch and relay of 16-inch pipeline near Austin, Pennsylvania. Work set to begin in June 2020.

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## LATEST JOB REPORTS

**Duke Energy** has plans for the take up of 6-inch pipeline and relay of 12-inch pipeline (Spence Line Replacement) in Nashville, TN. Work is slated to begin in June 2020.

**Atmos Pipeline** has plans to construct approximately 17 miles of 12-inch pipeline in Freestone County, Texas. The job is a replacement project. Work slated to begin in June 2020.

**Enterprise Products** has plans to construct approx. 13 miles of 8-inch pipeline in Chambers and Harris County, Texas. Work is slated to begin in June 2020.

**T. G. Mercer Consulting Services, Inc.**, ph (817) 489-7100 has been awarded a contract by TC Energy for the offloading from rail and racking of approximately 446,364 feet of 36-inch pipe in Haakon and Jones Counties, South Dakota. Superintendent is Larry Rodriguez. The approximate starting date was late May 2020.

Reports indicate that **Energy Transfer** has plans to construct approximately 30 miles of 16-inch pipeline near Cotulla, Texas. Bids are due the end of May 2020.

**Northern Clearing Inc.**, ph (715) 682-6646 has been awarded a contract by Minnesota Limited, LLC for the clearing of

approximately 3 miles of 10-, 12- and 16-inch pipelines in Beaver County, Pennsylvania and Jefferson County, Ohio. Superintendent is Shawn Stephenson. The approximate starting date was mid-May 2020.

**InterCon Construction, Inc.**, ph (608) 850-4820 has been awarded a contract by Northern Natural Gas for 8-inch and 16-inch pipeline valve replacements in Iowa. Headquarters is in Garner, Iowa. Superintendent is Carl Bubolz. The approximate starting date was May 18, 2020.

**Pe Ben USA, Inc.**, ph (281) 452-5915 has been awarded a contract by Berg Pipe for the stockpiling of approximately 200 miles of 42-inch pipe in Ward, Reagan, Kinney, LaSalle and Nueces Counties, Texas. Headquarters is in Robstown, Texas. Superintendent is Greg Michel. The approximate starting date was mid-May 2020.

**RowCon, LLC** has been awarded a contract by Snelson Companies, Inc. for the clearing of approximately 29 miles of 24-inch pipeline right-of-way including fencing and matting in Genesee and Oakland Counties, Michigan. Headquarters is in Mt. Morris, Michigan. Superintendent is Mark Smith. The approximate starting date was mid-May 2020.

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## LATEST JOB REPORTS

**Appalachian Pipeline Contractors, LLP**, ph (615) 264-8775 has been awarded a contract by TC Energy hydrotesting of approximately 12,350 feet of 26-inch pipeline and the take up and relay of 5,086 feet of 26-inch pipeline and 4,427 feet of 36-inch pipeline in Shenandoah and Warren County, Virginia. Headquarters is in Strasburg, Virginia. Superintendent is Anthony Campbell. The approximate starting date was mid-May 2020.

**United Piping Inc.**, ph (800) 269-2968 has been awarded a contract by Enbridge for subsistence remediation including hydro excavation, installation of I-beams and structural work in Belmont County Ohio. Headquarters is in Dillonvale, Ohio. Superintendent is Bob Humphrey. The approximate starting date was mid-May 2020.

**Strike Construction**, ph (888) 353-1444 is expected to get underway in late May 2020 with construction of approximately 62 miles of 36-inch pipeline (the **Kinder Morgan Crossover II**) in Colorado, Wharton, Fort Bend, and Brazoria Counties, Texas.

**Pe Ben USA, Inc.**, ph (281) 452-5915 has been awarded a contract by Strike for the loading and hauling of approximately 62.2 miles of 36-inch pipe in Colorado, Wharton and Brazoria Counties, Texas. Headquarters is in Garwood, Texas. Superintendent is Robert Cooley.

The **Whistler Pipeline** consortium has awarded contracts to **Troy Construction**, ph (281)437-8214, **Strike Construction**, ph (888)353-1444 and **Pumpco, Inc.**, ph (979)542-9054. The **Whistler Pipeline** is an approximately 450-mile, 42-inch intrastate pipeline that will transport natural gas from an interconnect with the Waha Header near Cayanosa, Texas in the Permian Basin to a terminus near Agua Dulce, Texas, providing direct access to South Texas markets and consumers. An approximately 50-mile 36-inch lateral will provide connectivity for gas processors in the Midland Basin. The pipeline will have transportation capacity of 2 billion cubic feet per day (Bcf/d). Construction is expected to begin in August 2020.

**Intercon Construction Inc.**, ph (608) 850-4820 has been awarded a contract by Ameren Illinois for 24-inch pipeline station work including pigging in Peoria, Warren and McDonough Counties Wisconsin. Superintendent is Troy Heath. The approximate starting date was mid-May 2020.

**Latex Construction**, ph (770)760-0820 was expected to get underway in May 2020 with a contract for PSNC Incorporated, d/b/a Dominion Energy North Carolina for the installation of approximately 38 miles of 20-inch pipeline in Franklin and Wake Counties, North Carolina. Headquarters is in Bunn, North Carolina. Superintendents are Cotton Jordan and Bill Burt.



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**BluRoc LLC**, ph (888) 637-9770 has been awarded a contract by Latex Construction Company for clearing, matting and fence installation on approximately 38 miles of 20-inch pipeline in Franklin and Wake Counties, North Carolina. Headquarters is in Bunn, North Carolina. Superintendent is Jay Pelley.

**WHC, Inc.**, ph (337) 837-8765 has been awarded a contract by **TECO Energy** for construction of approximately 38 miles of 24-inch pipeline from Pensacola, Florida to Flomaton, Alabama. Work was anticipated to begin in May 2020.

**Q3 Contracting, Inc.**, ph (651) 224-2424 has been awarded a contract by Xcel Energy for the maintenance of various 2-inch to 20-inch high pressure pipelines including the removal, replacement or relocation of pipelines, fabrication and installation of valves and regulators, strength tests, pig runs, and verification digs throughout various counties in Minnesota. Headquarters is in Little Canada, Minnesota. Superintendent is Andrew Jeske.

**InterCon Construction, Inc.**, ph (608) 850-4820 has been awarded a contract by Northern Natural for 29 casing remediation digs in Minnesota, Wisconsin, Iowa, Nebraska, Kansas, Oklahoma and Texas. Headquarters is in

Waunakee, Wisconsin. Superintendent is Delbert Browning. The approximate starting date is April 1, 2020.

**Troy Construction**, ph (281) 437-8214, **Pumpco, Inc.**, ph (979) 542-9054, and **MPG Pipeline Contractors, LLC**, ph (713) 955-9901 are underway with a job for Kinder Morgan and EagleClaw Midstream Ventures **Permian Highway Pipeline (PHP)** project. **Troy Construction** also has Spread 5 which begins around the Luling, Texas area and continue toward the coast. The approximately 430 miles of 42-inch pipeline extends from the Waha in West Texas to Katy, Texas, areas, with connections to the U.S. Gulf Coast and Mexico markets.

It is reported that **Williams** has awarded contracts for its **Bluestem Pipeline**. The Bluestem Pipeline is a proposed 188-mile, 16-inch natural gas liquids (NGL) pipeline originating at Mid-Continent Fractionation & Storage LLC's (MCF&S) facility in Conway, Kansas. When completed, it will deliver NGLs to our customer's proposed pipeline system near Kingfisher, Oklahoma. Contracts are said to be awarded to **Jomax Construction**, ph (620) 792-3686 and **WHC, Inc.**, ph (337) 837-8765. Work underway.



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# DMI International

## Bending Pipes, Breaking Expectations

*By Pat Kinnison & Chrystal Bates*

The character of the pipeline industry is built on integrity and service. Finding a way to get the job done regardless of the obstacles builds grit into the character of those who run the equipment on the right of way as well as those who supply the equipment for the right of way.

Robert Buchanan started a machine shop in 1974 called DIECO Manufacturing. Later he incorporated welding and fabrication capabilities. Most of their initial customers were directly linked to the pipeline industry. As they became more entrenched as a supplier their product range began to grow. It was in that very machine shop where he got his feet wet, building Pipe Bending Machines for customers. By 1992 building these machines became substantial enough to stand as its own company, thus DMI International was formed and officially started building equipment for its own sales and rental fleet.

As demand for competitive pipe bending equipment grew, DMI International was incorporated and became a major competitor and a key supplier to the pipeline industry for clamps, mandrels, bending machines and all of the accessories contractors need to get the job done. Today, DMI is located on 10 acres in Tulsa, Oklahoma and encompasses over 12 buildings.

Supplying equipment became the initial launch into the pipeline industry. As demand for DMI equipment grew so did the need for a service branch. Clamps, mandrels and bending machines needed to be converted to match the pipe requirements for the next job.

Transporting equipment back to Tulsa for service and conversions was the normal procedure for equipment suppliers. DMI had different plans. To reduce the time for conversions between jobs and to be available to the contractors on the line, DMI needed to be close to the work.

### SERVICE FACILITIES

In 2013 DMI opened its first field service facility in Pennsylvania. This put DMI in the heart of the Marcellus Shale gas field. From this location, DMI was able to service most of their customers in that area within 24 hours. This unprecedented move gave DMI a competitive advantage that was rewarded with new business and substantial growth.

Built on the pattern from its first facility, DMI subsequently established four more field service locations across the United States. As a result, DMI can be on most right of ways in 24 hours with new equipment. DMI currently services the pipeline industry from the following locations:

<b>Tulsa, OK</b>	Headquarters, Manufacturing & Services (918) 438-2213
<b>Lock Haven, PA</b>	Field Service Office, Sales & Rentals (570) 726-8432
<b>Center, TX</b>	Field Service Office, Sales & Rentals (936) 591-8006
<b>Alice, TX</b>	Field Service Office, Sales & Rentals (361) 661-0685
<b>Conroe, TX</b>	Field Service Office, Sales & Rentals (936) 441-4014
<b>Midland, TX</b>	Field Service Office, Sales & Rentals (432) 701-6000

### MISSION

While following industry trends is important, DMI's mission has always been to design and manufacture equipment that exceeds the customer's expectations. Listening to the voice of the customer and helping them solve their production problems has been both challenging



and rewarding, say's DMI's president, Bob Buchanan. When the industry moved toward heavy wall pipe a few years ago, DMI accepted the challenge and began producing bending equipment with greater capacity. Their responsiveness to the demand and their manufacturing agility became a hallmark in the industry. Customizing equipment to meet specific customer requirements creates a win-win situation for DMI and their customers.



## BENDING MACHINES

Three years ago, when oil prices found \$50 a barrel to be the norm, the demand shifted again. Productivity and efficiency became the calling card. Once again, DMI responded by modifying existing equipment and building new equipment to exceed the requirements of operators on the right of way.

For example, DMI's new 22-36 pipe bending machine is setting a new standard. Fully outfitted with a 100 gallon per minute pump and new control valves to handle the high flow; the unprecedented performance of this machine is unmatched.

DMI takes the worry out of environmental concerns by designing and installing new sealing systems in all of its hydraulic cylinders. Similarly, by adding a new layer of technology, this machine is able to broadcast performance parameters of the engine and control system across the internet to keep DMI and its customers ahead of the curve.

## VACUUM PIPE LIFTERS

Adding to the resume of quality products, DMI released a new series of vacuum pipe lifting equipment in 2018. While these products have been on the market for several years, DMI has taken advantage of this time to study the market and the equipment. The resulting equipment reflects the design improvements the industry has been seeking.

- A larger fuel tank
- Increased vacuum capacity
- Two stage air filtration
- Easier to service and change the sealing pad.

The DMI Vacuum Lifter was the first to offer integrated foldable support legs on the pads and on the engine-tank unit eliminating the need for carrying bulky and heavy support frames. In keeping with its mission to provide equipment that exceeds the customers' expectations, this Vacuum Lifter was engineered to a Design Category "B" and Service Class "2" which resulted in substantially higher service cycles and improved safety.



## BLUE TRUCKS

From day one, DMI distinguished itself on the right of way with the blue trucks. Most of the company trucks on the right of way were white fleet trucks, so the blue trucks were easily distinguished. During an era when most pipe bending manufacturers looked the same, DMI serviced its customers with products that include custom features specific to a customer's unique application and provided prompt and efficient field service.

Many of the blue trucks have DOT certification and have the ability to deliver major components from the nearest service facility. The DMI blue trucks are also equipped with the necessary parts and supplies to handle most conversions and repairs in the field. When you see one of DMI's blue trucks on the right of way, rest assured that reliable, efficient service is on the job.

## INQUIRIES

The DMI website is loaded with updated technical information about pipe bending equipment as we hope to service the industry through the technology of the internet. To try out the best in class 22-36 pipe bending machine or one of our new vacuum lifters please visit us at [www.dmiinternational.com](http://www.dmiinternational.com), reach out to us at our Tulsa headquarters, or email us at [sales@dmiinternational.com](mailto:sales@dmiinternational.com).

We recognize that our growth and success is attributed to the pipeline industry and its loyal customers. We pray for everyone's safety as the industry returns to normalcy. And we would like to thank Pipeliners Hall of Fame magazine for the opportunity to be a part of their June 2020 magazine issue.

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# PROPOSED PROJECTS & UPDATES

**ANR Pipeline Company** has received an Environmental Assessment from the FERC for the **Grand Chenier Xpress Project**. The proposed project includes facilities in Acadia, Jefferson Davis, and Cameron Parishes, Louisiana: modifications of ANR's existing Eunice Compressor Station in Acadia Parish, Louisiana, to increase the total certificated horsepower (hp) from 24,000 hp to 39,370 hp, and abandonment of an existing reciprocating compressor in place; construction of a new 23,470 hp greenfield compressor station (Mermentau Compressor Station) in Jefferson Davis Parish, Louisiana; modifications of the existing Dresser-Rand compressor unit and installation of 42 feet of aboveground piping at the Grand Chenier Compressor Station in Cameron Parish, Louisiana; and modifications of the Mermentau River GCX Meter Station, including the installation of an additional meter run and related appurtenant facilities in order to increase the delivery capability from 700 million cubic feet per day to 1.1 billion cubic feet per day. ANR anticipates commencing service by January 1, 2022.

FERC has issued approval for the **Annova LNG Brownsville Project**. **Annova LNG Common Infrastructure, LLC; Annova LNG Brownsville A, LLC; Annova LNG Brownsville B, LLC; and Annova LNG Brownsville C, LLC** are planning to construct, and operate a liquefied natural gas (LNG) export facility in Cameron County, Texas. The project will include a new LNG export terminal capable of producing up to 6.95 million metric tons per year of LNG for export. The LNG terminal would receive natural gas to the export facilities from a third-party intrastate pipeline. Annova anticipates a five-year construction period. The facilities for the project include the following major components: gas pretreatment facilities; liquefaction facilities (six liquefaction trains and six approximately 72,000 horsepower [hp] electric motor-driven compressors); two LNG storage tanks; boil-off gas handling system; flare systems; marine facilities; control, administration, and support buildings; access road; fencing and barrier wall; and utilities (power, water, and communication). Construction is slated for 2022 with a partial in-service date of 2024.

**Centurion Pipeline L.P.** announced the successful completion of its binding open season for the **Augustus Pipeline**. The Augustus Pipeline will connect Centurion's existing Midland Terminal to multiple long-haul pipelines originating at Crane, Texas. The project will include a combination of new and existing pipeline assets and have an initial throughput capacity of 150,000 barrels per day with future expansion capability available. The pipeline is expected to come into service during the fourth quarter of 2020. Centurion is a wholly owned subsidiary of Lotus Midstream, LLC.

**Corpus Christi Liquefaction Stage III, LLC (CCL Stage III)** and **Corpus Christi Liquefaction, LLC** is underway with

construction of additional facilities for the liquefaction and export of domestically-produced natural gas (Stage 3 LNG Project) at Corpus Christi Liquefaction's existing liquefied natural gas (LNG) terminal on the northern shore of Corpus Christi Bay in San Patricio and Nueces Counties, Texas (Liquefaction Project). The proposed **Stage 3 LNG Project** consists of the addition of seven midscale liquefaction trains and one LNG storage tank. FERC also approved a project for Cheniere Corpus Christi Pipeline, L.P. to construct and operate new interstate natural gas pipeline, compression, and related facilities in San Patricio County, Texas (Stage 3 Pipeline Project). The proposed Stage 3 Pipeline Project comprises a new 21-mile-long, 42-inch-diameter pipeline, additional compressor units at the existing Sinton Compressor Station, meter stations, and appurtenant facilities to transport 1.5 billion cubic feet per day (Bcf/d) of natural gas bi-directionally between the proposed Stage 3 LNG Project facilities and interconnections with existing pipeline systems.

**Dominion Energy and a consortium of energy partners** remain at a standstill on the **Atlantic Coast Pipeline** project as they wait for rulings that could impact the future of the project. Despite numerous setbacks, legal challenges and opposition from environmental advocacy groups, a Dominion Energy official said the company remains confident that construction of the Atlantic Coast Pipeline will be complete by 2021. The case is going to be heard in the Supreme Court and Dominion expects to have oral hearings in late winter, springtime of 2020 with a decision expected no later than June 2020.

**Bluewater Gas Storage** awaits FERC approval for proposed a compressor project designed to increase operating pressure for its system. Bluewater's current interconnection with Vector Pipeline does not allow direct delivery of the required amount of customers' natural gas needs due to the varying pressures between the Bluewater and Vector systems (**Bluewater Compression Project**). This has required rerouting the natural gas to other third-party pipelines for delivery, which results in additional costs. A new compressor would increase Bluewater's operating pressure, taking full advantage of the Vector Pipeline interconnection and eliminating excess costs for rerouting the contracted amount of natural gas. Pending FERC and state review and approval, construction is expected to start in mid-2020 with completion in 2021.

**Columbia Gas Transmission** is working on contractor yards for the **Buckeye Xpress Project**. The project includes 66.2 miles of 36-inch pipeline and appurtenances; and abandoning approximately 60.8 miles of 20- and 24-inch pipeline and appurtenances to be located in Vinton, Jackson, Gallia, and Lawrence Counties, Ohio and Wayne County, West Virginia. Columbia has a project in-service date of November 2020.



## PROPOSED PROJECTS & UPDATES

**Columbia Gulf Transmission, LLC** has filed an application with the FERC to construct and operate the **Louisiana XPress Project**. A final Environmental Assessment decision is slated for May 8, 2020. The project will create 493,000 dekatherms per day (Dth/d) of incremental mainline capacity on Columbia Gulf's pipeline system. The incremental capacity created by the project, in conjunction with the utilization of existing capacity, will allow for open access firm transportation service on approximately 850,000 Dth/d of capacity on a north-to-south path from Columbia Gulf's Mainline Pool to a primary point of delivery with Kinder Morgan Louisiana Pipeline LLC in Evangeline Parish, Louisiana. The proposed facilities in Louisiana include three new compressor stations: the Shelburn Compressor Station in East Carroll Parish, the Red Mountain Compressor Station in Catahoula Parish, and the Chicot Compressor Station in Evangeline Parish. It also includes upgrades at one existing facility, the Alexandria Compressor Station in Rapides Parish. The new facilities will tie into the already existing Columbia Gulf Transmission System.

**Dominion Energy Transmission, Inc.** received approval from the FERC subject to conditions for the **West Loop Project**. The project would provide 150,000 dekatherms per

day of natural gas to a new power plant that is being built in Columbiana County, Ohio to replace retiring coal-fired power and help meet the increasing demand for electricity in the Midwest. The **West Loop Project** consists of: 5.1 miles of 36-inch-diameter natural gas pipeline loop in Beaver County, Pennsylvania; modifications to increase flow capacity at the existing Beaver Compressor Station in Beaver County, Pennsylvania; re-wheel two existing centrifugal compressor units at the existing Carroll Compressor Station in Carroll County, Ohio; install a new pig launcher at the existing Koppel Junction Site and install a new pig receiver for the new Stitt Gate Site in Beaver County, Pennsylvania; install new control valves at the existing Old Petersburg Regulation Facility in Lawrence County, Pennsylvania; and install cathodic protection for the new pipeline at the existing Darlington metering and regulation (M&R) Station in Beaver County, Pennsylvania. Tree clearing is 100% complete for the project. In-service date is slated for July 2021.

**Double E Pipeline, LLC** (Double E) has received Notice of Environmental Review from the FERC for the Double E Pipeline Project. A final decision is expected June 22, 2020. Double E seeks authorization to construct and operate an approximately 116.6-mile, 30-inch and 42-inch diameter



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# PROPOSED PROJECTS & UPDATES

trunk-line natural gas pipeline; an approximately 16.3-mile, 30-inch diameter lateral; and meters, mainline block valves, launchers and receivers, and other minor facilities at aboveground sites. The project will interconnect with Kinder Morgan's planned Gulf Coast Express and Permian Highway Pipelines, and Energy Transfer Partners' Trans Pecos Pipeline. The Double E Pipeline Project is designed to provide up to 135,000 dekatherms per day of firm capacity to connect growing production areas in the Delaware Basin in southeast New Mexico and west Texas to delivery points near Waha in Reeves and Pecos Counties, Texas. If approved, in-service is slated for 2021.

**Driftwood LNG LLC and Driftwood Pipeline, LLC** has received approval from the FERC for the liquefied natural gas (LNG) export facilities and certain interstate, natural gas transmission pipeline facilities in Evangeline, Acadia, Jefferson Davis, and Calcasieu Parishes, Louisiana. The project would provide gas and processing to produce up to 26 million tonnes per annum of LNG for export. The project facilities include five LNG plants; three LNG storage tanks; three marine berths capable of accommodating LNG carriers of up to 216, each; 74 miles of 48-inch pipeline, 10.6 miles of 42-inch pipeline; 11.3 miles of 36-inch pipeline; and 1 mile of 30-inch lateral pipeline collated with the main pipeline; three compressor stations providing a total of 275,000 horsepower of compression; six pig launchers and receiver facilities, 15 meter stations, and 17 mainline valves.

**Eastern Shore Natural Gas** has received approval from the FERC to construct, own, operate and maintain the **Del-Mar Energy Pathway Project**. The project includes .9 miles of 16-inch looping pipeline (Kent County, DE), 7.39 miles of 8-inch extension pipeline and new M&R (Sussex County, DE), 0.35 miles 10-inch pipeline extension and upgrade Millsboro pressure control station (Sussex County, DE), 6.83 miles of 10-inch pipeline extension; new M&R (Wicomico and Somerset County, MD), and new Measurement and Regulating Stations (Sussex County, DE; Somerset County, MD). Construction is expected to be getting underway soon with a project in-service date of the 4<sup>th</sup> quarter of 2021. Reports indicate construction is being handled by Voshell Brothers Welding, ph (302) 674-1414. Gale Vosell is the superintendent. Cleveland Inspection Services has the inspection. Jeremy Troise is the Chief Inspector.

**Enable Midstream Partners, LP** has filed a formal application with the FERC for the **Gulf Run Pipeline** project. An Environmental Assessment is expected from the FERC July 31, 2020 with a final decision slated for October 29, 2020. The new, 134-mile pipeline in Louisiana would run through Red River, DeSoto, Sabine, Vernon, Beauregard, and Calcasieu Parishes, Louisiana. The proposed new pipeline will run from northern Louisiana to the Gulf Coast, helping deliver U.S. resources to international markets with

increasing demand. Pending receipt of applicable permits and regulatory approvals, construction would begin by 2022.

The staff of the FERC has issued a Certificate of Public Convenience and Necessity for the **Putnam Expansion Project**, proposed by **Florida Gas Transmission Company, LLC**. The Putnam Expansion Project would consist of the following facilities in Florida: **West Loop**- install 13.7 miles of 30-inch pipeline loop in Columbia and Union Counties; **East Loop**- install 7.0 miles of 30-inch pipeline loop in Clay and Putnam Counties; **Columbia/Union Receiver Station Relocation**- remove and relocate the existing 30-inch loop pig receiver located at the beginning of the West Loop in Columbia County to a new pig receiver station to be installed at the terminus of the West Loop in Union County; **Clay/Putnam Receiver Station Relocation** - remove and relocate the existing 30-inch-diameter loop pig receiver located at the beginning of the East Loop in Clay County to a new pig receiver station to be installed at the terminus of the East Loop in Putnam County; **Compressor Station (CS) 18**- install new automated valves, over pressure protection device, and station piping at Florida Gas's existing CS 18 in Orange County, Florida. The planned in-service is April 2022.

**Guardian Pipeline L.L.C.** has filed a prior request with the FERC for authorization to construct and operate the **Graymont Western Lime Project** in Fond du Lac County, Wisconsin. Guardian states the proposed project will consist of a new delivery point connecting Guardian to Graymont Western Lime, Inc., which will measure a gas volume of 5 million cubic feet (MMcf) per day with a potential for expansion up to 13.2 MMcf per day. Guardian estimates the cost of the project to be approximately \$822,000.

**Gulf South Pipeline Company, LP** is requesting FERC approval by May 7, 2020 for their **Lamar County Expansion Project** that would provide about 200,000 dekatherms of natural gas per day to Cooperative Energy's generation facility in Lamar County, Mississippi. Gulf South proposes to construct and operate 3.4 miles of 20-inch-diameter pipeline, a new delivery meter station, and a new 5,000 horsepower compressor station in Lamar and Forrest Counties, Mississippi. The project would allow Gulf South to provide up to 200,000 dekatherms per day of new natural gas firm transportation service from Gulf South's existing Index 299 pipeline to Cooperative Energy. This service would be primarily utilized for Cooperative Energy's new 550-megawatt combined cycle gas turbine generation facility. According to Gulf South, the Project would allow Cooperative Energy's power plant to switch from coal to natural gas as a power source. If approved, the project is slated for construction in the 4<sup>th</sup> quarter of 2020.

FERC has issued approval for **Gulf South Pipeline Co., LP** for the **Index 99 Expansion Project**. The project would



# PROPOSED PROJECTS & UPDATES

include the construction of the following facilities: installation of approximately 22 miles of new 30-inch-diameter pipeline (Index 99L), including cathodic protection along the proposed pipeline, beginning in San Augustine County, Texas and terminating in Sabine County, Texas, at Gulf South's existing Magasco Compressor Station near Pineland, Texas; installation of a pig receiver at the intersection of the new Index 99L pipeline and Gulf South's existing Index 99 System, in San Augustine County, Texas; installation of a pig launcher at the intersection of the new Index 99L pipeline and Gulf South's existing Index 99 System and Index 129 Legacy System (within Gulf South's existing Magasco Compressor Station), in Sabine County, Texas; installation of one new mainline valve assembly along the new Index 99L pipeline, in San Augustine County, Texas; installation of approximately 250 feet of new 24-inch station piping and a 24-inch-pressure control valve at the existing Hall Summit Compressor Station in Bienville Parish, Louisiana. Additionally, Gulf South proposes to use 3 contractor/pipe yards (all in San Augustine County, Texas), as well as 9 temporary and 18 permanent access roads during construction of the Index 99 Expansion Project. According to reports, **Michels Corp.** has been awarded the construction contract for the project. Construction is tentatively planned for June 2020.

**Gulfstream Natural Gas System, L.L.C.** has received a Certificate of Public Convenience and Necessity to abandon, construct, and/or operate certain natural gas facilities for its **Phase VI Expansion Project** in Mobile County, Alabama, and Manatee County, Florida. Gulfstream proposes to: (1) replace approximately four miles of 36-inch-pipeline in Alabama with thicker-walled pipeline; (2) install additional compression facilities and uprate the maximum allowable operating pressure (MAOP) on part of its system; and (3) construct metering and auxiliary facilities and appurtenances. Specifically, Gulfstream proposes to conduct the following activities in Alabama and Florida: (i) install one 16,000 horsepower (HP) gas-fired turbine driven compressor unit and related appurtenances at Gulfstream's existing Compressor Station 410 in Mobile County, Alabama; (ii) uprate the maximum allowable operating pressure (MAOP) of the approximately 55-mile, 36-inch segment of pipeline from MP 3.9 in Mobile County, Alabama, to MP 59.0 in offshore federal waters in the Gulf of Mexico from 2,180 pounds per square inch gauge (psig) to 2,296 psig (beyond MP 59.0, the MAOP will remain at the current 2,180 psig); (iii) abandon in place approximately four miles of 36-inch onshore pipeline in Mobile County, Alabama, between MP 0.0 and MP 3.9, by cutting and capping each

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# PROPOSED PROJECTS & UPDATES

end and filling the line segment with grout; (iv) construct and operate approximately four miles of thicker-walled 36-inch pipeline onshore in Mobile County, Alabama, between MP 0.0 and MP 3.9, to accommodate an increase in the MAOP from 2,180 psig to 2,296 psig. This will offset and replace the approximately four-mile segment of pipeline to be abandoned as described in (iii) above; (v) construct metering equipment at Gulfstream's existing Compressor Station 420, located in Manatee County, Florida, to manage the gas flow associated with the higher MAOP described above; and (vi) construct other related auxiliary facilities and appurtenances. Gulfstream has filed an Environmental Assessment for the project with the FERC. Gulfstream estimates that the project will cost approximately \$161,957,344.

**Iroquois Gas Transmission System, L.P.** has received a Notice of Intent to Issue an Environmental Assessment September 30, 2020 with a final decision expected December 29, 2020 to construct and operate certain natural gas compression and associated facilities. The proposed project is known as the Enhancement by Compression Project, and would add a total of 125 million cubic feet of natural gas per day of incremental firm transportation service to existing customers in New York. The Project would add one new 12,000 horsepower (hp) compressor unit and associated facilities at each of its existing Athens (Greene County, New York) and Dover Compressor Stations (Dutchess County, New York) and two new 12,000 hp compressor units at its existing Brookfield Compressor Station (Fairfield County, Connecticut). Iroquois also proposes to add cooling and related equipment at its existing Milford Compressor Station (New Haven County, Connecticut). The project would add a total of 48,000 hp of new compression on Iroquois' System.

**Jordan Cove Energy Project, L.P. and Pacific Connector Gas Pipeline, LP (PCPG)** have received approval from the FERC for their proposed LNG and Terminal Pipeline. The project is designed to create a new LNG export point on the Oregon coast to serve overseas markets particularly around the Pacific Rim. The LNG Terminal would be capable of receiving natural gas, processing the gas, liquefying the gas into LNG, storing the LNG, and loading the LNG onto vessels at its marine dock. The planned liquefaction facility would be capable of producing up to 7.8 million metric tons per annum of LNG. PCGP is planning to construct and operate a new, approximately 233-mile long, 36-inch natural gas transmission pipeline crossing through Klamath, Jackson, Douglas, and Coos Counties, Oregon. The pipeline would be designed to transport 1,200,000 dekatherms per day of natural gas to the LNG Terminal from interconnections with the existing Ruby Pipeline LLC and Gas Transmission Northwest LLC systems near Malin, Oregon. The project has a projected in-service date is projected for 2024.

**Kinder Morgan Texas Pipeline (KMTP) and EagleClaw Midstream Ventures** are proceeding with the **Permian Highway Pipeline Project (PHP Project)**. The approximately \$2 billion PHP Project is designed to transport up to 2.1 billion cubic feet per day (Bcf/d) of natural gas through approximately 430 miles of 42-inch pipeline from the Waha, Texas area to the U.S. Gulf Coast and Mexico markets. KMTP will build and operate the pipeline. The PHP Project in-service date is slated for late 2020.

**Construction start for the Liberty Pipeline has been temporarily deferred.** The **Liberty Pipeline** will be a new, approximately 700-mile-long, pipeline of up to 24 inches in diameter transporting light crude oil from Guernsey, Wyoming to Cushing, Oklahoma. It is being reported that construction start could be deferred until 2021.

**Magellan Midstream Partners** recently held a supplemental open season to solicit additional commitments for transportation volume on the western leg of its refined petroleum products pipeline system in Texas. Binding commitments were due from interested customers on Dec. 20, 2019. Magellan is in the process of expanding the capacity of its west Texas refined products pipeline system to approximately 175,000 barrels per day (bpd) from its current capacity of 100,000 bpd. In addition, the partnership is currently building a new refined products terminal in Midland, Texas. Based on the timing of current construction activities, Magellan expects both the west Texas refined products pipeline expansion and new Midland terminal to be operational in mid-2020. Magellan's west Texas pipeline system primarily transports gasoline and diesel fuel to demand centers in Abilene, Midland/Odessa and El Paso, Texas as well as New Mexico. The pipeline system also can access markets in Arizona and Mexico via connections to third-party pipelines. Subject to the results of the supplemental open season, Magellan is considering the addition of another 25,000 bpd of capacity on the west Texas pipeline, for a total capacity up to 200,000 bpd, which could be operational by the end of 2021.

The East Texas operating subsidiary of **Midcoast Energy, LLC**, a portfolio company of ArcLight Capital Partners, has made a positive final investment decision and entered into definitive, long-term anchor shipper agreements in support of its **CJ Express Expansion Project**. The CJ Express Pipeline will consist of up to 150 miles of 36 inch or larger diameter pipeline, commencing near Carthage in Panola County, Texas and extending south to Midcoast's Clarity Pipeline in Hardin County, Texas to provide for deliveries to Trunkline Gas (NTX), Gulf South (Area 10), TRANSCO (Zone 2), TETCO (STX & WLA), Florida Gas (Zone 1), Tennessee Gas (100 Line), Kinder Morgan Texas Pipeline, Atmos Texas Pipeline and Channel Industries Gas. Midcoast expects CJ Express to be completed in early 2021.



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**Mountain Valley Pipeline, LLC** has received a Final Environmental Impact Statement from the FERC for the **Mountain Valley Southgate** project. A final decision is slated for May 2020. Mountain Valley is requesting authorization to construct and operate about 75.1 miles of natural gas transmission pipeline, one new compressor station, and accompanying facilities that would provide 375 million cubic feet of gas per day of available capacity for transport from the City of Chatham, in Pittsylvania County, Virginia to a delivery point with Dominion Energy North Carolina (DENC), formerly PSNC1, near the City of Graham in Alamance County, North Carolina.

**National Fuel Gas Supply Corporation and Transcontinental Gas Pipe Line Company, LLC** has received a favorable Environmental Assessment for its proposed **FM100 Project** and the **Leidy South Project**, proposed by Transco. The FM100 Project would allow National Fuel to modernize a portion of its existing system and provide an additional 330,000 dekatherms per day (Dth/d) of incremental natural gas transportation capacity, all of which is fully subscribed to Transco. The Leidy South Project would provide 582,400 Dth/d of firm natural gas transportation service from shale producing areas in northern and western

Pennsylvania to Transco's customers in the eastern United States. Issuance of the EA final environmental decision for the project is anticipated May 7, 2020. National Fuel and Transco are proposing to construct and operate interdependent natural gas infrastructure projects, which are both located entirely within Pennsylvania. The FM100 Project consists of 29.5 miles of new 20-inch-diameter pipeline in McKean and Potter Counties (Line YM58); 1.4 miles of 24-inch-diameter pipeline loop in Potter County (YM224 Loop); 0.4 mile of 12-inch-diameter pipeline in McKean County (Line KL Extension); construction of new Marvindale Compressor Station in McKean County; construction of new Tamarack Compressor Station in Clinton County; construction of the Marvindale Interconnect in McKean County; construction of the Carpenter Hollow overpressurization protection station in Potter County; abandonment in place of a 44.9-mile long portion of the existing 12-inch FM100 Pipeline in Clearfield, Elk, and Potter Counties; abandonment by removal of the existing Costello Compressor Station in Potter County; abandonment by removal of an existing meter station WHP-MS-4317X in Potter County; and installation and abandonment of appurtenances, such as mainline valves and anode beds, associated with the above facilities. The Leidy South Project consists of 3.5 miles of 42-inch pipeline

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# PROPOSED PROJECTS & UPDATES

loop in Lycoming County (Benton Loop); 2.5 miles of 36-inch pipeline loop in Clinton County (Hilltop Loop); 6.3 miles of 36-inch meter pipeline loop and related abandonment of a 5.8-mile-long portion of the 23.4-inch Leidy Line A Pipeline (Hensel Replacement) in Clinton County; modification of existing Compressor Station 605 in Wyoming County; modification of existing Compressor Station 610 in Columbia County; construction of new Compressor Station 607 in Luzerne County; construction of new Compressor Station 620 in Schuylkill County; installation of associated facilities such as mainline valves, communication facilities, and pig launchers and receivers, and other appurtenances. Target in-service date for the project is winter 2021.

**Natural Gas Pipeline Company of America** has received FERC approval and await Notice to Proceed with Construction for the known as the natural gas transmission **Gulf Coast Southbound Project**. The project would expand the southbound transportation capacity of Natural's Gulf Coast Mainline System by 300,000 dekatherms per day through modifications at five existing natural gas compressor stations in the state of Texas. As part of the project, Natural would conduct the following activities (all locations are in the state of Texas): install one new electric motor driven compressor unit with a rating of 10,000 horsepower, abandon two existing compressor units, and add cooling equipment and a new filter separator at existing Compressor Station 300 in Victoria County; install one Solar Mars 100 turbine with a rating of 15,900 horsepower, add cooling equipment, and replace two filter separators at existing Compressor Station 301 in Wharton County; install two Solar Titan 130 turbines with a rating of 23,470 horsepower each, abandon in place 10 existing compressor units, and add cooling equipment and filter separators at existing Compressor Station 304 in Harrison County; install gas coolers and filter separators at existing Compressor Stations 303 and 394 in Angelina and Cass Counties.

**Natural Gas Pipeline Company of America, LLC** has an application before the FERC seeking authority to construct, operate, and maintain facilities in Ward, Reeves, and Pecos Counties, Texas to directly connect Natural to the Waha Hub and transport up to 500 million cubic feet per day of natural gas to the Trans Pecos Pipeline header at the Waha Hub. The proposed Lockridge Extension Pipeline project includes the following facilities: approximately 16.84 miles of new 30-inch-diameter pipeline; installation of ancillary piping and valves to interconnect the new pipeline extension; relocation of a 30-inch-diameter pig receiver to the southern terminus of the proposed pipeline extension; and installation of a new bidirectional interconnect and appurtenant facilities at the southern terminus of the proposed pipeline extension. Natural anticipates placing all project facilities in-service no later than the fourth quarter of 2020.

**North Baja Pipeline, LLC (TC Energy)** has submitted an application to the FERC seeking authorization to construct and maintain its **North Baja XPress Project**. The project consists of installation of a new 31,900 ISO horsepower Titan 250 compressor unit at its existing Ehrenberg Compressor Station located in La Paz County, Arizona; and modifications to the infrastructure at North Baja's existing El Paso Meter Station in La Paz County, Arizona, and Ogilby Meter Station in Imperial County, California. An FERC Environmental Assessment is expected in July 2020 with a final FERC decision in October 2020. Construction is expected to start in October of 2021, with an anticipated in-service date of November 2022.

**Northern Natural Gas** has submitted a pre-filing request with the FERC for its proposed **Northern Lights Expansion 2021** project. Northern plans to have the project facilities in-service November 1, 2021, to meet the contractual in-service date. The facilities are required to meet customer requests received in the open season for Northern Lights 2021 – Ventura North. The proposed facilities, which are subject to change as the pre-filing process progresses, initially include: (1) 8.30 miles of 30- and 36-inch-diameter mainline loops and extensions; (2) 13.30 miles of branch line loops and extensions – ranging in size between 6 and 30 inches in diameter; (3) one new compressor station and modifications at two compressor stations; and (4) modifications at an interconnect; all located in Minnesota. If approved by the FERC, construction is slated for Spring 2021.

The staff of the FERC has issued approval for Northern Natural Gas Company's **Palmyra to South Sioux City A-Line Abandonment Project**. The proposed project is in Nebraska and includes the following facilities: abandonment in place of 44.2 miles of 20-inch-diameter and 14.8 miles of 16-inch-diameter mainline in Otoe, Lancaster, Saunders, and Dodge Counties (M581A); abandonment in place of 58.7 miles of 16-inch-diameter mainline in Dodge, Burt, Thurston, and Dakota Counties (M570A); construction of 1.7 miles of new 24-inch-diameter pipeline loop in Otoe County (Palmyra North D-Line Loop); construction of 2.5 miles of new 24-inch-diameter pipeline loop in Dodge County (Fremont North D-Line Loop); construction of a new pig launcher and two valve sites within the existing Palmyra Compressor Station at the beginning of the Palmyra D-Line Loop and a pig receiver and one valve site at the end of the pipeline loop; and construction of a new pig launcher and one valve site within the existing Fremont Compressor Station and one valve site at the end of the Fremont North D-Line Loop. Overall construction start date is slated for August 2020.

The staff of the FERC has issued approval for the **Bushton to Clifton A-line Abandonment Project** involving construction and operation of facilities by **Northern Natural Gas Company** in Clay, Cloud, Ellsworth, Lincoln, Ottawa, and



## PROPOSED PROJECTS & UPDATES

Rice counties in Kansas. Northern is proposing to abandon in-place the A-line facilities consisting of approximately 92.76 miles of 26-inch pipeline on Northern's M640A and M630A and 15.74 miles of 24-inch-diameter pipeline on its M640J pipeline systems and other appurtenant facilities. Northern proposes to construct and operate an additional natural gas-driven ISO rated 11,152 horsepower Solar Mars turbine unit (Unit No. 6) at the existing Tescott compressor station located in Ottawa County, Kansas. On March 26, 2020 FERC issued a notice to proceed with construction of the Tescott compressor station. The unit will tie into station piping that is connected to Northern's existing mainlines. Approximately 85 feet of 24-inch-diameter station piping, approximately 40 feet of 36-inch station piping, and approximately 80 feet of 8-inch station piping will be removed to accommodate tie-ins. After abandonment, Northern will continue to operate the other pipelines in its right-of-way and maintain its pipeline easements with the exception of a segment of Jline that will be abandoned in place. Work is anticipated to begin in June 2020.

**ONEOK** has made adjustments for planned capital expenditures and is suspending the following announced expansion projects: the 100,000 barrel per day (bpd)

additional expansion of the West Texas LPG pipeline in the Permian Basin; and the 200 million cubic feet per day (MMcf/d) expansion of the Demicks Lake natural gas processing facility, the Demicks Lake III project and related infrastructure in the Williston Basin. Additionally, the scope of the Elk Creek Pipeline expansion will be reduced, with the ability to add pump stations incrementally to meet customer needs as necessary. "The planning and work we have already completed allow us to quickly resume these suspended capital-growth projects when the environment improves and our customers require these services," said Terry K. Spencer, President of Oneok.

**PennEast Pipeline** has filed an application with the FERC seeking authority for the **PennEast 2020 Amendment Project** involving the construction of approximately 120 miles of 36-inch pipeline to be built in Northampton County, Pennsylvania. PennEast proposes to amend their FERC Certificate Order that was issued on January 19, 2018. PennEast plans to construct the federally approved PennEast Pipeline Project in two separate phases. Phase One would consist of 68 miles of 36-inch pipe, constructed entirely within Pennsylvania and ready to deliver natural gas by November 2021. The Phase Two portion would include

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the remaining route in Pennsylvania and New Jersey, with a targeted completion of 2023. Additionally, PennEast filed a previous amendment application on February 1, 2019, proposing four modifications to the certificated route in Luzerne, Carbon, Monroe, and Northampton Counties, Pennsylvania. The 2020 Amendment would consist of the following: a new interconnection facilities (Church Road Interconnects) in Bethlehem Township, Northampton County, Pennsylvania; a metering and regulation station at approximate milepost (MP) 68.2 of the certificated route; and two separate interconnection and measurement facilities.

**Update - The Red Oak project is being deferred due to the current business environment. The project has not been cancelled, but certain work has been paused. Phillips 66 and Plains All American Pipeline** have formed a 50/50 joint venture, **Red Oak Pipeline LLC**, and plan to construct the **Red Oak Pipeline** system. The pipeline system will provide crude oil transportation service from Cushing, Oklahoma, and the Permian Basin in West Texas to Corpus Christi, Ingleside, Houston and Beaumont, Texas. Initial service from Cushing to the Gulf Coast is targeted to commence as early as the first quarter of 2021. The Red Oak joint venture will lease

capacity in Plains' Sunrise Pipeline system, which extends from Midland to Wichita Falls, Texas. The joint venture plans to construct a new 30-inch pipeline from Cushing to Wichita Falls and Sealy, Texas. From Sealy, the joint venture will construct a 30-inch pipeline segment to Corpus Christi and Ingleside and a 20-inch pipeline segment to Houston and Beaumont. Where feasible, Red Oak plans to utilize existing pipeline and utility corridors and advanced construction techniques to limit environmental and community impact. Plains will lead project construction on behalf of the joint venture, and Phillips 66 will operate the pipeline. The project is expected to cost approximately \$2.5 billion.

**Port Arthur Pipeline, LLC**, a subsidiary of Sempra LNG & Midstream, has received a positive Final Environmental Impact Statement (EIS) from the FERC and a notice that it can begin site preparation for its proposed **Texas Connector** natural gas pipeline in connection with the proposed development of the **Port Arthur Liquefaction Project** by Port Arthur LNG, LLC, and **PALNG Common Facilities** in Jefferson County, Texas. The Final EIS addresses the potential environmental effects of the construction and operation of the following proposed facilities: two liquefaction trains, each with a capacity of 6.73 million tons per annum





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## PROPOSED PROJECTS & UPDATES

of LNG for export; three LNG storage tanks, each with a capacity of 160,000 cubic meters; a refrigerant storage area and truck unloading facilities; a condensate storage area and truck loading facilities; a new marine slip with two LNG vessel berths, an LNG vessel and support vessel maneuvering area, and an LNG transfer system; a materials off-loading facility and Pioneer Dock; approximately 38.9 miles of 42-inch-diameter pipeline to bring feed gas from interconnections with Kinder Morgan Louisiana Pipeline LLC, Natural Gas Pipeline Company of America, Houston Pipeline Company LP, Texas Eastern Transmission, LP (TETCO), Florida Gas Transmission Company, LLC, and Golden Triangle Storage, Inc./Centana Intrastate Pipeline, LLC to the terminal site; approximately 131.3 miles of 42-inch-diameter pipeline to bring feed gas from interconnections with Centana Interstate Pipeline, LP, TETCO, Tennessee Gas Pipeline Company, Market Hub Partners – Egan, Pine Prairie Energy Center, Texas Gas Transmission, LLC, ANR Pipeline Company, and Columbia Gulf Transmission, LLC to the terminal site; three compressor stations; meter stations at the pipeline interconnects; and other associated utilities, systems, and facilities (mainline valves, pig launchers/receivers, contractor yards, access roads, etc.). Construction is expected to begin in the third quarter of

2021, with commercial operations expected to begin in third quarter of 2022. On May 8, 2020, **Port Arthur Pipeline** filed received an Environmental Assessment for the **Louisiana Connector Project**. Port Arthur Pipeline plans to construct, own, and operate additional new proposed Liquefaction Facility south of Port Arthur in Jefferson County, Texas. The Louisiana Connector Project will be capable of delivering approximately 2,000,000 MMBtu per day of natural gas to the Liquefaction Project. The Louisiana Connector Project, along with the Texas Connector Project facilities proposed in this proceeding, will be the primary means of delivery of feed gas to the Liquefaction Project. The anticipated construction start date is 1st quarter of 2021 with in-service slated for 3rd quarter 2022. The Louisiana Connector Project will include 131 miles of 42-inch diameter gas pipeline, a new compressor station, interconnection facilities with interstate and intrastate natural gas facilities, and other appurtenant facilities. The proposed Louisiana Connector Project facilities will extend from an interconnect with Columbia Gas Transmission (MP 130.9) located northeast of Eunice, Louisiana in St. Landry Parish through Evangeline, Allen, Beauregard, Calcasieu, and Cameron Parishes in Louisiana and Jefferson County, Texas and terminate at the proposed Liquefaction Facility south of Port Arthur in Jefferson County, Texas. The



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# PROPOSED PROJECTS & UPDATES

Louisiana Connector Project, along with the Texas Connector Project facilities proposed in this proceeding, will be the primary means of delivery of feed gas to the Liquefaction Project. Both projects are needed to provide service to the Liquefaction Project and will allow flexible access to multiple supply basins and systems of upstream transporters. Combined, the projects will give more gas sellers access to Port Arthur LNG and Port Arthur LNG access to more supply basins. The proposed **Port Arthur Pipeline Project** would consist of two segments oriented north and south of the proposed liquefaction project. The 27.6-mile northern portion of the proposed pipeline project would extend from Vidor in Orange County, TX to the proposed liquefaction project, with the majority of the proposed pipeline co-located with existing energy infrastructure rights-of-way. The approximately 7-mile southern portion of the proposed pipeline project would originate in Cameron Parish, Louisiana on the east bank of Sabine Lake and terminate at the Port Arthur Liquefaction Project. The proposed pipeline project would interconnect the Port Arthur Liquefaction Project to various intra- and interstate pipelines, providing access to a number of major U.S. natural gas supply basins. Construction is expected to begin in the third quarter of 2021, with commercial operations expected to begin in third quarter of 2022.

**Port Arthur LNG Phase II, LLC (PALNG-II) and PALNG** has an application before the FERC seeking authorization to construct and operate new natural gas liquefaction facilities. The proposed project is known as the **Expansion Project** and would add a total of approximately 13.5 million tonnes per annum (MTPA) of liquefaction capacity for export overseas at the Port Arthur LNG Liquefaction Terminal. The Expansion Project would be located on approximately 900 acres near the City of Port Arthur in Jefferson County, Texas, entirely within the previously authorized Port Arthur LNG Liquefaction Terminal site. The Project would include two new liquefaction trains (Trains 3 and 4), each with its own gas treatment facilities and capable of producing 6.73 MTPA; and associated utilities and infrastructure related to Trains 3 and 4. Issuance of the Environmental Assessment from the FERC is expected January 21, 2021 with a final decision slated for April 2021.

**Portland Natural Gas Transmission System (PNGTS)** expects to receive an Environmental Assessment from the FERC in April 2020 for its proposed. **Westbrook XPress Project (WXP)**. Adding to PNGTS' existing capacity, WXP will be capable of transporting approximately 124,000 dekatherms a day (Dth/d) to areas where it is in great demand. Enhancing PNGTS' existing capacity through WXP will be achieved via the installation of facilities to compress and cool gas on the PNGTS system, and the modification of an existing meter station, on land adjacent to the existing Westbrook Compressor Station. The facilities at Westbrook are jointly owned by PNGTS and Maritimes & Northeast

Pipeline (MNE), and operated by M&N Operating Company, LLC (MNOC). The proposed project is anticipated to be completed in three phases, with the last expected to go into service by November 1, 2022. All work will be conducted on or adjacent to the existing station. Construction will only be associated with Phase II, which is slated to be placed into service in 2021.

**Tallgrass Energy, LP**, through its affiliate Tallgrass Pony Express Pipeline, LLC, announced that due to continued interest in its **Carpenter Expansion** it is launching a supplemental open season to solicit binding shipper commitments for crude oil transportation from a new origin near Carpenter, Wyoming, to Pony Express destinations in Colorado. Based on commitments received in the original open season, Pony Express is building an approximately 25 mile 12-inch pipeline connecting the Hereford origin to the new origin point in Carpenter, Wyo., expanding capacity from Wyoming to Sterling, Colo., on the Pony Express system. Pony Express expects the new pipeline to be in-service in Q2 2020. The supplemental open season was scheduled to end April 14, 2020.

**Tennessee Gas Pipeline Company, LLC** has received approval from the FERC for the **261 Upgrade Project**. Tennessee Gas is requesting authorization to provide 72,400 million cubic feet per day (Mcf/d) to subscribed project shippers. Tennessee Gas also requests approval to upgrade facilities at Compressor Station 261 to increase reliability to existing shippers. The project includes modifications to existing facilities and installation of new pipeline in Hampden County, Massachusetts. The proposed 261 Upgrade Project includes the following facilities: Horsepower Replacement Project - abandon and replace two existing turbine compressor units with one new turbine compressor unit and auxiliary facilities; and abandon and replace the emergency generator; a looping project - install 2.1 miles of 12-inch pipeline loop adjacent to Tennessee Gas pipelines; install pig launcher and receiver facilities and tie-in piping; and abandon and remove an inactive 6-inch-diameter pipeline. Construction was approved to begin in March 2020, however construction in light of the current COVID-19 pandemic and potential scheduling uncertainties that may occur as a result, Tennessee has determined that it will delay the planned compressor unit replacement at CS 261 until 2021.

**Tennessee Gas Pipeline Company, L.L.C. (TGP)**, a Kinder Morgan subsidiary, and **Southern Natural Gas Company, L.L.C. (SNG)**, a Delaware limited liability company equally owned by subsidiaries of Kinder Morgan and Southern Company, filed applications with the Federal Energy Regulatory Commission (FERC) for the **Evangeline Pass Expansion Project**. The Evangeline Pass Expansion Project is designed to provide up to 1.1 million dekatherms per day (Dth/d) of additional natural gas capacity on Kinder Morgan's



## PROPOSED PROJECTS & UPDATES

TGP and SNG systems in Louisiana and Mississippi. As part of the project, SNG will lease capacity to TGP. The project involves building 9.1 miles of 36-inch diameter pipeline in St. Bernard Parish, Louisiana as well as 4 miles of 36-inch pipeline in Plaquemines Parish, Louisiana. It will also include two new compressor stations located in Clarke County, Mississippi, and St. Bernard Parish, Louisiana, and modifications to existing facilities on both the TGP and SNG systems. Pending receipt of all required permits, construction is planned to begin in the first quarter of 2021, and the expected in-service date is December 2022.

**Texas Eastern Transmission, LP** has an application for its proposed **Middlesex Extension Project** and has received a Notice of Intent to Prepare an Environmental Statement from the FERC to construct, install, own, operate and maintain 1.55 miles of 20-inch-diameter pipeline, a new metering and regulating station, 0.20 miles of 16-inch-diameter interconnecting piping, and related appurtenances and ancillary facilities to provide natural gas transportation to interconnects with Transcontinental Gas Pipe Line Company, LLC's (Transco) Mainline system and Transco's existing Woodbridge Lateral for ultimate delivery to the 725-Megawatt natural gas-fueled combined-cycle

Woodbridge Energy Center owned by CPV Shore Holdings, LLC and located in Woodbridge Township, New Jersey. A final FERC decision is expected in August 2020. In-service date is slated for June 2021.

**Texas Eastern** is requesting authorization from the FERC excavate, elevate, and replace certain segments of its pipelines that traverse the Marshall County Coal Company's (Marshall Coal) Mine Panels 19E and 20E, located in Marshall County, West Virginia (**Marshall County Mine Panel 19E and 20E Project**). Texas Eastern proposes to excavate and elevate pipeline segments of its Lines 10, 15, 25, and 30, that range from 30-inch to 36-inch diameter and to monitor stress and strain levels on the pipelines from potential ground subsidence due to Marshall Coal's scheduled longwall mining activities. Concurrent with pipeline elevation, portions of Lines 10 and 15 would be replaced with new pipe to accommodate a minimum Class 2 design. Texas Eastern would also perform maintenance activities on segments of Lines 25 and 30. Marshall Coal recently informed Texas Eastern that longwall mining activities for Mine Panel 20E may now begin as early as August of 2021. As such, Texas Eastern would need to commence activities to protect its pipelines that traverse Mine Panel 20E concurrent with



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# PROPOSED PROJECTS & UPDATES

planned activities to protect its pipelines that traverse Mine Panel 19E (longwall mining activities in Mine Panel 19E are anticipated to begin in October 2020) in order to ensure timely stabilization of the pipeline segments above ground for the duration of the longwall mining activities scheduled to take place at both Mine Panels. Completion of longwall mining activities and potential subsidence is anticipated in December 2020 for Mine Panel 19E and in October 2021 for Mine Panel 20E. As such, Texas Eastern is seeking to amend the timing set forth in the Application for completion of project activities from October 2021 to October 2022, prior to the start of Texas Eastern's winter heating season. FERC has issued an Environmental Assessment for the project in late March 2020.

**Texas Eastern** has received approval from the FERC to proceed with the **Bailey East Mine 11J Project** in Marshall County, West Virginia. Texas Eastern is seeking authority to excavate, elevate, replace and reinstall certain sections of four pipelines due to the anticipated longwall coal mining activities of CONSOL Energy, Inc. CONSOL plans to mine in January 2021. Texas Eastern's existing Lines 10, 15, 25, and 30 are all located in Marshall County, West Virginia, with a proposed warehouse yard located in Greene County, Pennsylvania. Pipeline activities would include: excavating and replacing approximately 1,932 feet of 30-inch-diameter Line 10 from milepost (MP) 724.4 to MP 724.8; excavating and replacing approximately 1,967 feet of 30-inch-diameter Line 15 from approximately MP 724.9 to MP 725.3; excavating approximately 1,864 feet of 36-inch-diameter Line 25 from MP 44.1 to MP 44.4; and excavating approximately 2,022 feet of 36-inch-diameter Line 30 from MP 724.9 to MP 725.3.

**Texas Eastern Transmission, L.P.** received a Environmental Assessment from the FERC for its proposed **Cameron Extension Project**. The project would provide 750 million cubic feet per day of firm transportation service. Texas Eastern proposes to construct and operate a new compressor station (East Calcasieu Compressor Station) in Calcasieu Parish, Louisiana. The new compressor station is comprised of one 30,000 ISO-rated horsepower, natural gas-driven turbine compressor unit and related appurtenances. The project would also consist of three new delivery meter and regulatory stations in Cameron, Beauregard, and Jefferson Davis Parishes, Louisiana; installation of 0.2 miles of 30-inch piping to interconnect with TransCameron Pipeline, LLC's pipeline system in Cameron Parish, Louisiana; installation of miscellaneous equipment at the Gillis Compressor Station in Beauregard Parish, Louisiana; modifications to existing internal pipeline inspection launcher and receiver facilities and two new bypass facilities at existing sites along Texas Eastern's Line 41; and other related auxiliary facilities and appurtenances. A final FERC decision slated for July 2020.

**Haynesville Global Access Pipeline LLC**, a subsidiary of Tellurian Inc., is proposing to construct, own and operate

an approximately \$1 Billion project with 160 miles of 42-inch pipeline (**Haynes Global Access Pipeline**) and one 23,000 hp compressor station. This proposed pipeline will be capable of transporting upwards of 2 Billion cubic feet of natural gas per day from supply sources originating in the Haynesville / Bossier Shale area. A formal FERC application is expected to be filed in 2020.

Tellurian's **Permian Global Access Pipeline (PGAP)** is proposing to construct, own and operate the **PGAP Project**, an approximate 625-mile long, 42-inch diameter interstate natural gas pipeline originating at the Waha Hub, the gateway for Permian gas heading to market, and terminating near Lake Charles, Louisiana, the heart of US gas market growth. The project is part of Tellurian's proposed Tellurian Pipeline Network that represents a \$7.0 billion investment in U.S. infrastructure, and the creation of approximately 15,000 jobs in Texas and Louisiana. The investment is incremental to the \$15.2 billion investment that Tellurian plans for Driftwood LNG, a proposed liquefied natural gas (LNG) export facility near Lake Charles, Louisiana. Construction could begin as early as 2021 and the pipeline is targeted to be in service as early as 2023.

**Transcontinental Gas Pipe Line Company, LLC** has received an Environmental Assessment from the FERC for its proposed **Leidy South Project**. The project would expand Transco's existing pipeline system to enable it to provide an additional 582,400 dekatherms per day of firm transportation service to three shippers, and abandon a small portion of its existing facilities. Transco seeks authorization for the construction and operation of approximately 8.7 miles of 36-inch-diameter looping facilities and the related abandonment of 5.8 miles of 23.375-inch pipeline in Clinton County, Pennsylvania; construction and operation of approximately 3.6 miles of 42-inch looping facilities in Lycoming County, Pennsylvania; the addition of 45,87 horsepower (hp) at two existing compressor stations Wyoming and Columbia Counties, Pennsylvania; and construction and operation of two new compressor stations totaling 78,801 hp in Luzerne and Schuylkill Counties, Pennsylvania. The estimated cost of the Project is \$531.12 million. If approved, in-service is slated in time for the 2021-22 winter heating season.

**Transwestern Pipeline Company, LLC** filed a notice May 8, 2020 with the FERC that it plans to construct and operate the **Station 8 Project** that includes a 5,000 HP site-rated motor, compressor, compressor building and other ancillary facilities at its Compressor Station 8 in Lincoln County, New Mexico. Transwestern estimates the cost of the project to be approximately \$11.4 million.

**Venture Global Plaquemines LNG, LLC (Plaquemines LNG)** and **Venture Global Gator Express, LLC (Gator Express Pipeline)** have received FERC Notice to Proceed to



## PROPOSED PROJECTS & UPDATES

construct the process facilities for the **Plaquemines LNG and Project**. Plaquemines LNG and Gator Express Pipeline are proposing to construct and operate a new LNG export terminal and associated facilities along the west bank of the Mississippi River in Plaquemines Parish, Louisiana (Terminal) and to construct and operate two new 42-inch diameter natural gas pipeline laterals that will connect the Terminal to the pipeline facilities of Tennessee Gas Pipeline Company and Texas Eastern Transmission. The two parallel and adjacent laterals (11.7 and 15.1 miles long) would be operated at an MAOP of 1,200 pounds per square inch and will be designed to provide firm transportation capacity of approximately 1,970,000 Dt/d to the Terminal. Total cost of the pipeline portion of the project is estimated to be approximately 284 million dollars.

**Whistler Pipeline LLC** is planning to construct 450 miles of 42-inch pipeline from Waha, Texas, to the Agua Dulce area in South Texas. An approximately 50-mile 36-inch lateral will provide connectivity for gas processors in the Midland Basin. The pipeline will have transportation capacity of 2 billion cubic feet per day (Bcf/d). Whistler Pipeline has contracted for the supply of the entirety of 42"/36" steel pipeline needed to complete the project and is on schedule in its completion of

survey along the planned route and acquisition of appropriate permits for a summer 2021 in-service date. Construction will commence in 2020.

**Williams** has received a positive final Environmental Assessment for the **Northeast Supply Enhancement** project. The project is an expansion of the existing Transco natural gas pipeline designed to serve New York markets in time for the 2020/2021 winter heating season. The project is still pending approvals from New York and New Jersey. All approvals have been received from Pennsylvania. Construction will include: 10.2 miles of 42-inch pipeline loop in Lancaster County, Pennsylvania (the Quarryville Loop); 3.4 miles of 26-inch pipeline loop in Middlesex County, New Jersey (the Madison Loop); 23.5 miles of 26-inch pipeline loop in Middlesex and Monmouth Counties, New Jersey, and Queens and Richmond Counties, New York (the Raritan Bay Loop, which consists of 0.2 mile of pipe in onshore Middlesex County, New Jersey; 6.0 miles of offshore pipe in New Jersey waters; and 17.3 miles of offshore pipe in New York waters); modification of the existing Compressor Station 200 in Chester County, Pennsylvania; construction of new Compressor Station 206 in Somerset County, New Jersey; and ancillary facilities.



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## CORROSION 2020 Conference & Expo In Houston, Texas Will Not Take Place This June

Due to circumstances arising from the ongoing spread of COVID-19 and the continuing danger it poses to public health and safety, the NACE International Board of Directors regrets to announce that CORROSION 2020, NACE's Annual Conference & Expo will not take place in Houston this June 14-18.

Originally scheduled for March 2020, the association postponed its conference based on guidelines available at that time from the U.S. Government, Centers for Disease Control, and World Health Organization. Since then the COVID-19 outbreak has escalated worldwide. In Texas, Governor Greg Abbott recently issued an executive order which does not change prior orders prohibiting mass gatherings and events. The executive order also includes protocols which direct all Texans to minimize social gatherings and in-person contact with people who are not in the same household.

"As difficult as this is to accept, we simply cannot safely host our annual conference this June," said NACE International CEO Bob Chalker. "No one worked harder to make this event happen than the staff and member leaders of NACE. Up until today we have been working to ensure our 2020 event in Houston would be our best yet. However, we understand these circumstances are beyond our control and this is the best way to protect our attendees, staff, and Houston community."

Over the next few days and weeks NACE will work with event venues, registrants, exhibitors, and sponsors to process all changes, refunds, transfers, etc. All questions can be directed to NACE International's First Service team at [firstservice@nace.org](mailto:firstservice@nace.org) or by phone at 1-800-797-6223 (U.S./Canada) or +1-281-228-6223 worldwide.

"We want to thank our exhibitors and attendees for their patience and enduring support," said Chalker. "NACE staff is already working on creating an incredible event for 2021 in Salt Lake City and we look forward to reuniting our corrosion community next April."

### About NACE International

Founded in 1943, NACE International, The Worldwide Corrosion Authority, is the world's largest nonprofit of its kind with more than 38,000 members in 130 countries. Based in Houston, Texas, with offices in the U.S., the U.K., China, Malaysia, Brazil, Saudi Arabia, and a training center in Dubai, the organization serves all industries impacted by corrosion. NACE International provides its membership with numerous benefits and offers the world's most specified technical training and certification programs, industry standards, reports, conferences, and publications focused on corrosion prevention and mitigation. [www.nace.org](http://www.nace.org)

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# Freeport LNG

## Achieves Train 3 Start of Commercial Operations

Freeport LNG announced that it began commercial operations for its third liquefaction train on Friday, May 1, with the commencement of liquefaction services to Total S.A. and SK E&S under their tolling agreements with Freeport.

“The start of commercial operations for Freeport LNG’s Train 3 marks the full commercial operation of our \$13.5 billion, three train facility. After over five and a half years of construction, which began in December 2014, we are thrilled to now have all three trains operating safely, and capable of producing in excess of 15 mtpa. I want to congratulate and thank our teams who have worked diligently throughout our development and construction process, navigating many challenges along the way. Freeport LNG’s success would not be possible without the dedication, hard work and discipline of our employees,” said Michael Smith, Founder, Chairman and CEO.

Freeport LNG’s liquefaction facility is the seventh largest in the world and the second largest in the United States. In order to produce 15 mtpa of LNG, the Company’s three train export facility will process more than 2 percent of the total annual U.S. production of natural gas. Freeport LNG’s economic investment will result in 24,000 to 30,000 direct

and indirect jobs created across the U.S. through increased natural gas exploration, drilling and production, as well as incremental expenditures for goods and services in other industries. Freeport LNG’s liquefaction project spanned over 60 million work hours with a total recordable rate of 0.17. The project’s safety statistics rank in the top quartile in the industry. Freeport LNG’s Train 1 and 2 have been in commercial operation since mid-December and mid-January, respectively.

### About Freeport LNG

Freeport LNG’s liquefaction facility is the largest all-electric drive motor plant in the world, making it the most environmentally sustainable site of its kind. The facility’s electric drive motors reduce carbon emissions by over 90%. The Company plans to expand by adding a fourth liquefaction train, which has received all regulatory approvals for construction. Freeport LNG Development, L.P. was formed in 2002 to develop, own and operate an LNG terminal on Quintana Island, near Freeport, Texas. The terminal started LNG import operations in June 2008 and began LNG export operations in 2019. Freeport LNG’s limited partnership interests are ultimately held by Michael Smith, Global Infrastructure Partners, and Osaka Gas Co., Ltd.

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## Ritchie Bros.

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Ritchie Bros. recently sold more than 4,400 equipment items and trucks for US\$43+ million.

The April 21 – 22, 2020 auction, which was conducted with online-bidding only due to state gathering restrictions, attracted 8,600+ registered bidders from 62 countries. U.S. buyers purchased approximately 93 percent of the equipment, with the top three state buyers being Texas, California, and Florida, while international buyers from such countries as India, Italy, and Peru purchased seven percent of the equipment. Approximately 22% of purchases were made through Ritchie Bros.' mobile application.

"Our Houston auction was a great showcase of our ability to continue to drive demand in uncertain times," said Alan McVicker, Regional Sales Manager, Ritchie Bros. "This auction was different than past Houston auctions, with no onsite bidders—all bidding was done online to ensure the health and safety of our employees and customers. Regardless, we saw record attendance for this time of year and solid pricing across most equipment categories, including oil & gas-specific equipment."

More than 460 consignors sold equipment in the auction, including a complete retirement dispersal for Zoch Construction Inc., based in Centerville, TX.

"The results exceeded our expectations—in fact, when we hit our target, we still had 18 pieces to sell, so we are very happy with how everything went," said Dawn Zoch who runs Zoch Construction Inc. with her husband Calvin. "We can't say enough about Ritchie Bros. and its employees. Our sales representative Colin Yarwood did everything he said he would and more. We wouldn't hesitate to recommend Ritchie Bros. to anyone looking to sell their assets."

### AUCTION QUICK FACTS: HOUSTON, TX (April 2020)

- **Total gross transactional value** – US\$43+ million
- **Total registered bidders** – 8,600+
- **Total lots sold** – 4,400+
- **Total number of sellers** – 460+

"Thank you to all our consignors for trusting us to deliver results for your assets," added Mr. McVicker. "For any companies looking to sell assets, we have solutions to meet every customer need, including onsite auctions, weekly online auctions, oil & gas specific events through Kruse Energy, and our Marketplace-E reserved solution."

For a complete list of upcoming auctions and equipment available, visit [rbauction.com](http://rbauction.com) and [ironplanet.com](http://ironplanet.com)



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## Provides Guidance to Oil Pipelines During COVID-19 Emergency

The Federal Energy Regulatory Commission has pledged to act expeditiously on certain waiver and tariff requests from interstate oil pipelines to address unforeseen circumstances resulting from the COVID-19 pandemic.

The Commission issued a policy statement in which it pledged to act expeditiously on any oil pipeline requests for temporary waivers of or extensions of time to comply with certain FERC regulations where necessary and appropriate, including cost of service filing requirements, reporting requirements, record-keeping requirements, accounting regulations and depreciation studies.

“As with earlier actions the Commission has taken to provide relief for regulated entities during this pandemic, we believe this is a necessary action for oil pipelines that may need to take temporary steps to ensure their ability to continue to provide service,” FERC Chairman Neil Chatterjee said.

The Commission will consider granting temporary waivers or extensions in certain circumstances arising from the COVID-19 emergency, such as an oil pipeline seeking temporarily to alter its routes, to reconfigure existing systems or to change flow direction to provide shippers access to storage. Another example may include non-jurisdictional pipelines that determine a need

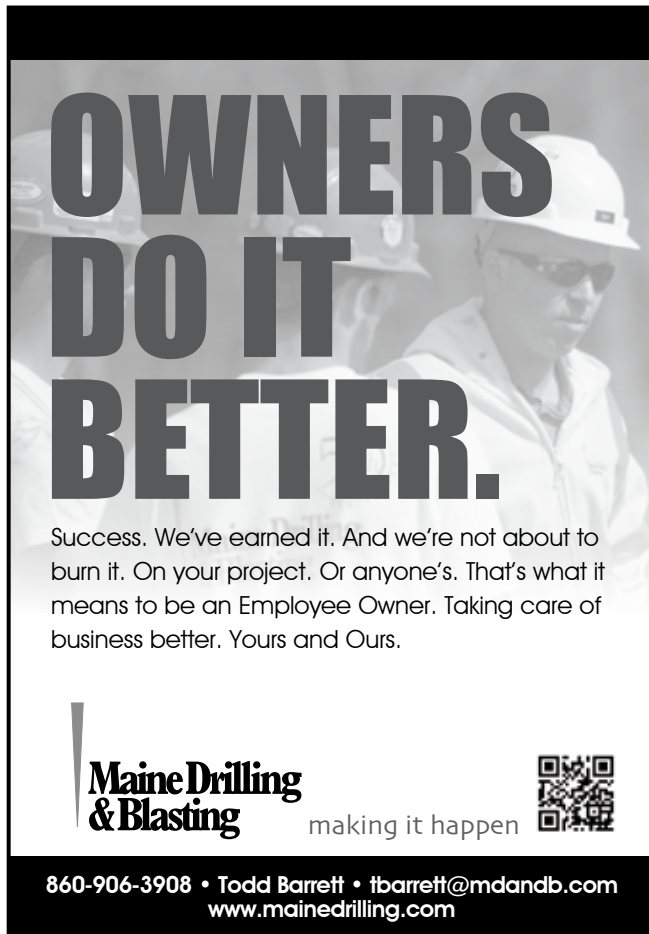
to provide temporarily movements into interstate commerce rather than intrastate commerce to respond quickly to current market demand.

To facilitate these and other potential operational changes, the Commission stated that oil pipelines may request tariff waivers to become effective on less than 30-days’ notice, in accordance with Commission regulations.

Requests submitted concurrently with tariff filings will be deemed conditionally granted, subject to refund. These filings also will be deemed automatically granted at the conclusion of the 30-day notice period unless the Commission issues an order denying the request.

FERC is encouraging oil pipelines to share any concerns or issues related to the impacts of COVID-19, and to resolve disputes with shippers by using FERC’s Alternate Dispute Resolution Service.

The policy statement commends the industry’s efforts to adapt to these “unprecedented circumstances while continuing to uphold their common carrier duties under the Interstate Commerce Act.”




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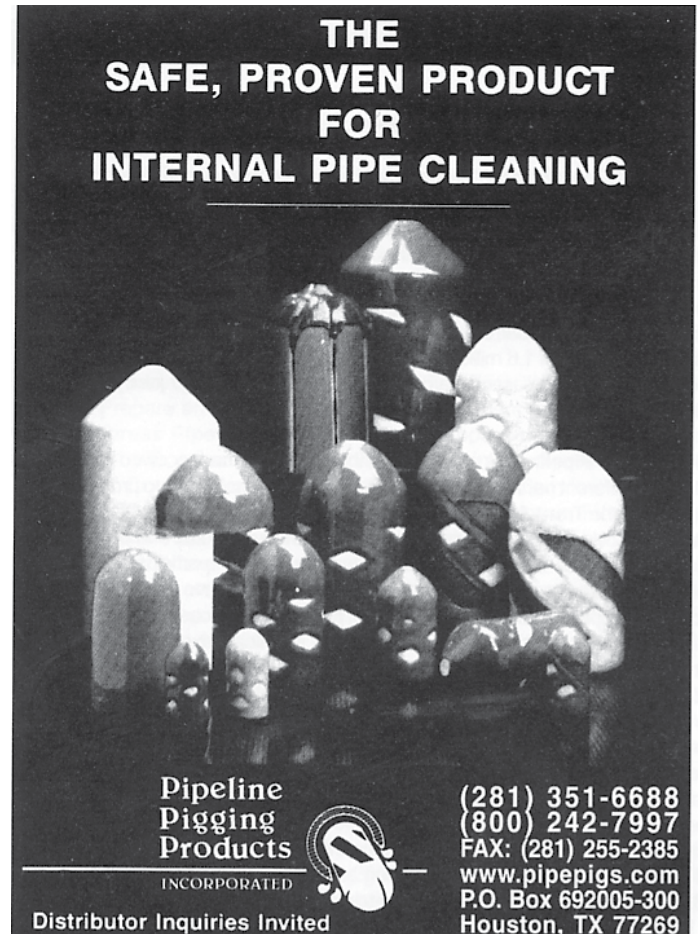
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## HEARD ON THE LINE

**Jacob and Courtney Byers** would like to announce the birth of their daughter, Scarlett Victoria, born on May 14, 2020. Jacob is the son of Randy and Cheryl Byers, proud grandparents! Congratulations!



## Michels, Corp.

### Virus affects send-off, but not sentiment



Warehouse Specialist Josh K. will spend a year overseas as an equipment operator with the 996th Engineer Construction Company based in Milwaukee, WI.

Warehouse Specialist Josh K. will spend a year overseas as an equipment operator with the 996th Engineer Construction Company. This is the first deployment for Josh, who joined the Reserves six years ago, but definitely not for Michels. Our founder, Korean War era veteran Dale Michels, incorporated many elements of military structure into the company's

fabric. To this day, Michels and the Michels family have deep respect and appreciation for those who serve in the military.

Josh attended some college after graduating from high school, and, after realizing it was not the right fit, joined the Reserves. A little over two years later, he was hired at Michels. The similarities are evident, Josh said.

"The importance of leadership and hard work are big parts of both," he said. "I know what I have learned at Michels will help me while I am deployed and that what I learn while I am there will be helpful when I come back home."

We look forward to Josh's return and wish the best of luck to him and everyone who is serving our country!

Learn more about opportunities for those on active duty and veterans - <https://www.michelscareers.us/for-military>



**Greg (Moose) and Kristy Benaske** just welcomed their first grandchild, Onyx Dean James Cable. Onyx was born on April 13th at 6:01pm weighing 5lbs 6oz and 18 inches long. Onyx was born with his umbilical cord around his neck 4 and a half times and fought through and is a very healthy happy baby that everyone is very proud of.



*Greg Benaske is proud to announce the birth of his new grandson. Congratulations!*



*Madally Cantu delivered some masks to the Big Spring Fire Department donated by Lone Star Pipeline Contractors! Thank you, Madally!!*



*Lane Dillion - son of Austin and Taylor Dillion*



# PIPELINE PHOTOS









# OBITUARIES



**Roderick "Rowdy" Duhon** - Rowdy was a native of Lafayette and resident of Grosse Tete, Louisiana. He passed away on April 7, 2020 at the age of 55. Rowdy is survived by his wife of 15 years, Glenda Dupree Duhon; daughter, Danelle Cedotal and husband Mike; grandson, Elijah Cedotal, his pride and joy; and mother-in-law Shirley Dupree. He is proceeded in death by his father Jerome (Jay) Duhon. He was a pipeline welding inspector for 13 years. Rowdy served as Vice President of the Iron Warriors, Central Chapter. He was also a member of the Ascension Masonic Lodge #251. A memorial service will be planned at a later date.

**Bobby "Daddy Bob" Sanford** died March 1, 2020. Mr. Sanford began his pipeline career in 1969 offshore with Brown & Root on one of the first Automatic Welding projects. He would spend the next fifty years working on numerous pipeline projects around the world. He was well-known in the Automatic Welding Industry and being one of the early pioneers. His family was his greatest joy, wife Shirley of fifty-four years along with six children, seventeen grandchildren and ten great grandchildren. His pipeline legacy includes his son, Shell Sanford with Sunbelt Equipment Marketing Inc. and Sunbelt Tractor & Equipment Co., Inc.; several sons-in-law; and grandsons in the pipeline industry, including Bobby Sanford with CRC-Evans.

**Nancy Miller**, 93, died April 14, 2020, in Nashville, Tennessee. Mrs. Miller was the widow of 1998 PLCA President J. B. Miller. Survivors include her daughter, Elaine Miller of Nashville; her two sons, Don Miller and his wife Patty of Dickson and Dale Miller and his wife Teresa, also of Dickson.



**Stanley (Tiny) Petty, Jr.** 34, of Fairfield, passed away March 30, 2020 near Big Spring, Texas. Stanley Jack Petty, Jr. was born September 24, 1985 in Corsicana to parents Stanley Jack Petty, Sr. and Tina Louise Dunlap. He had been a resident of Fairfield since middle school and was a graduate of Fairfield High School. He married Chassey Tole on April 20, 2012 in Fairfield. Stanley was a welder and truly loved his work. He lived life to the fullest and loved his family, wife and children. Left to cherish his memory is his wife Chassey of Fairfield; two children, Alaina Baker Petty and Stanley (Tripp) Petty, III both of Fairfield; his parents, Stanley Jack Petty, Sr. and wife Ruth of Shreveport, LA; Tina Hiler and husband Rodney of Tyler, TX; grandparents, Wade and Elizabeth Gore of Fairfield; Jackie and Helen Dunlap of Corsicana; a sister, Jacqueline Bozick and husband Lucas of Tyler, TX; a honorary brother, Zachary Kennedy of Fairfield; nieces and nephews, Cullen Clary, Sterling Clary, Sage Clary, Zoe Bozick and Reid Bozick; his in-laws, Eric and Stephanie Minze of Fairfield; Jamie Tole of Duncan, OK; sister-in-law, Tiffany and husband Clifton Clary of Gatesville, TX; as well as many, many friends.



A drive-in memorial service for **Billy "Kirk" Townsend** was held May 8, 2020 at Culbertson Baptist Church in Farmerville, LA. Billy Kirk Townsend passed away Friday, May 1, 2020 in Shreveport, LA. He was born November 6, 1961 in Bastrop, LA to Patricia Ann Salsbury Townsend and Cornelius Carroll Townsend. He married Angela Dawn Smith Townsend on September 2, 1995 in Ragley, LA. Kirk and Angela lived in Farmerville, LA for most of their lives together. Kirk attended Lake Charles High School in Lake Charles, LA. After high school, Kirk became a member of The International Union of Operating Engineers, Local 406. He operated heavy equipment on pipelines before becoming a truck driver. He traveled extensively, as a truck driver, and has been to every continental state in the United States and some Provinces of Canada. He loved traveling. After moving his family to Farmerville, Kirk operated a commercial poultry farm. After which, he became a pipeline inspector. Kirk held a NACE Level 2 Coating certification, a CPWI+V Welding certification, an API 1169 Pipeline Inspector certification, along with many other company mandated certifications in construction and pipeline operations. Kirk was very active in his community. He was frequently known to help others in times of trouble and to donate to causes that he felt worthy. He was active among his fellow pipeliners and had many, many friends among them. But Kirk's real passion was crappie fishing. He fished every chance that he got, even taking advantage of fishing opportunities in locations that he was working in across the country. He loved talking fishing with his "fishing buddy's" almost as much as he loved fishing. Kirk was preceded in death by his parents, Pat and Carroll Townsend, and his brother, Barry Kyle Townsend. He is survived by his wife of 25 years, Angela Dawn Smith Townsend; sons: Levi Carroll Townsend and Logan Wyatt Townsend, of Farmerville, LA; three grandchildren: Aiden Carroll Townsend, Jaxon Lee Townsend, and a baby due in December of 2020. Kirk is also survived by his brother, Brian Kelly Townsend, of Ruston, LA; niece, Samantha Ann Townsend and her children: R.J. Green and Samuel Townsend, all of Shreveport, LA; and many uncles, aunts, and cousins.



**Robert H. Westphal**, of Fond du Lac, WI passed away on March 31, 2020 in Naples, FL from complications related to COVID-19. Born on May 4, 1944, in Hartford, WI to Harold and Marcella (Ringle) Westphal, Bob grew up on a farm outside of Iron Ridge, WI. He graduated from Mayville High School. He married Jone Schultz on November 10, 1963. Bob was still actively working for Michels Corporation, the company he joined in 1965. In his career, he filled many roles, including laborer, operator, foreman, superintendent, general superintendent, vice president, senior vice president and, at the time of his death, senior construction advisor. He helped guide Michels' development and execution of strategic business initiatives domestically and internationally. Those who knew him saw



he was completely devoted to his work, which in his later years he considered his hobby. The success of Michels was his passion. Bob demonstrated a deep love for his family. There are no words to describe his dedication as a husband to Jone, a father to his sons and a grandparent to his beloved grandchildren. He was a great motivator, negotiator, mentor and most of all, "friend." A statesman in the construction industry, Bob was a valued member of many trade organizations. In 2019, he was inducted into the North American Society for Trenchless Technology (NASTT) Hall of Fame and was named NASTT's Trenchless Technology Person of the Year in 2011. Bob was also an active member of the Pipe Line Contractors Association (PLCA), where he served on the Board of Directors for 13 years and as president in 2005. In 2018, he was named an Honorary Member. Bob and Jone spent many weekends at their home in Three Lakes, WI during the summer and in Naples, FL in the winter. He was a devoted member of Faith Lutheran Church in Fond du Lac. He is survived by his wife of 56 years, Jone Westphal; his sons: Scott (Liz) Westphal, Jeff (Gena) Westphal, Matt (Kristin) Westphal and Chad Westphal; his grandchildren: Nick, Lauren, Lexus, Max, Lily, Jensen (fiance' Reney Bagnall), Noah, Eva, Sullivan and Murray; step grandchildren: Lauren Muenier and Molly Muenier; his sister, Patricia Porter; nephews: Chuck Jr., Brian Porter, Maurice Porter and Shane Rhodes; and niece, Stacey Trainor. He is preceded in death by his parents; his sister in-law, Julie Rhodes; and his brothers-in-law, Charles Porter and Mike Rhodes. Due to current public health restrictions, Bob's memorial services will be held at a later date. In lieu of flowers, memorials appreciated to Youth programs at Faith Lutheran Church and School, Fond du Lac Area Foundation, Big Brothers Big Sisters of Fond du Lac and Fond du Lac Humane Society. Fuller Funeral Home & Cremation Services is serving the family.



A private graveside service was held for **Dwain Paul Pitre, Sr.** at the Bellevue Memorial Park in Opelousas. Deacon Ulysse Joubert conducted the service. Dwain, age 59, a resident of Opelousas, passed away on April 25, 2020 at his residence surrounded by his family. Dwain enjoyed working on the pipeline and made many friends that turned into family during his time in the oil field. He will be greatly missed by his family, friends and all who knew and loved him. He is survived by his wife of 39 years, Tammy Dupre Pitre; son, Dwain "Paul" Pitre, Jr. and wife, Nichole; daughter, Dana Lynn Pitre and Hannah Lynn Pitre; brothers, Terry Pitre and Wayne Pitre and wife, Eva; sister, Patty Pitre; grandchildren, Emma Aline Pitre and Rebecca Lynn Pitre. He is preceded in death by parents, Aldus Pitre and MaeFloyd "Mim" Bertrand Pitre; grandparents, Mr. and Mrs. Eddie Pitre, Mr. and Mrs. Marion Bertrand; and father-in-law, Elvin Dupre. Pallbearers will be Paul Pitre, Garrett Miller, Michael Miller, Rodger Touchstone, Dewey Vidrine and Carlton Faul. Honorary pallbearers will be Richard Manuel and Tommy Bennett. The family would like to

offer a special thank you to his special friends and caretakers, Tommy and Mary Bennett, Art and Angela Pettigrew, Tim and Dedra Johnson, Tiffany and Tristan Bryant, Richard Manuel, Aaron Simon and Doug Warner. Words of Comfort to the family may be expressed at [www.sibillefuneralhomes.com](http://www.sibillefuneralhomes.com).

**Albert Adler** (Crockett, Texas), born in Apple Springs, Texas, died May 2, 2020. Albert pipelined in the lower 48 for several years, Alaska for a short period, then Middle East for some time then back to the states before retiring. He was predeceased by: his parents, Noye Adler and Opal Baker Adler; and his sister Carolyn Fuller. He is survived by: his wife Ruby Rains Adler; his children, Dale Adler and Melanie Goolsby (Kevin); his grandchildren, Kraig Goolsby (Sarah) and Kacie Simmons (Ricky); his great grandchild Karter Goolsby; his step-great-grandchildren, Levi and Kayleigh Simmons; his sister Laverne Young (George); and his brother-in-law Mayes Fuller. Memorials may be made to Lothrop Masonic Lodge #21, P. O. Box 955, Crockett, TX 75835 or The Good Shepherd Fellowship Church, P. O. Box 1127, Crockett, TX 75835.

**Dale B. Green**, 72, of Wellsville, died February 26, 2020 in Jones Memorial Hospital, Wellsville. Born Nov. 28, 1947, in Wellsville, he was the son of Arnold K. and Dorothy A. Johnson Green. A graduate of Scio Central School and Breeden School of Welding in Genesee, Pa., he served honorably with the U.S. Army from 1967-1968. On Sept. 29, 1973, in Hallsport, he married the former Jo Ann Billings, who survives. He was employed as a pipeline foreman by Otis Eastern for over 45 years. Dale was a member of Morrison B. Hayes American Legion Post #702 and Operating Engineers Local #158. In retirement, Dale's world revolved around spending time with his grandchildren outdoors, in his shop building, and attending their sporting events. Surviving besides his wife, Jo Ann, are two sons, Kristopher (Allison) Green and Chad (Shannon) Green, both of Wellsville; five grandchildren, Alex, Trenton, Ella, Wyatt, and Liam; a sister, Roseanne Perry of Wellsville; brother-in-law, Terry (Theresa) Billings of Greenwood; sister-in-law, Gayle (Dennis) Clark of Belmont; nieces and nephews. In addition to his parents, he was predeceased by a brother, Kenneth A. Green; and brothers-in-law, Dale Billings and Douglas Billings. Memorials may be made to the Wellsville Volunteer Ambulance Corps, P.O. Box 206, Wellsville, N.Y. 14895.

**Jimmy Scott**, 80 passed away April 5, 2020 at his home in Bandera Tx. He was a pipeline mechanic for 50 years until his retirement in 2009. He came from a pipeline family following his dad Clyde "Red" Scott of Houston Tx starting with Associated Pipeline in the late 1950's. He enjoyed racing modified midgets in Alvin Tx, antique tractors, classic cars, fishing and spend time in Colorado.

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