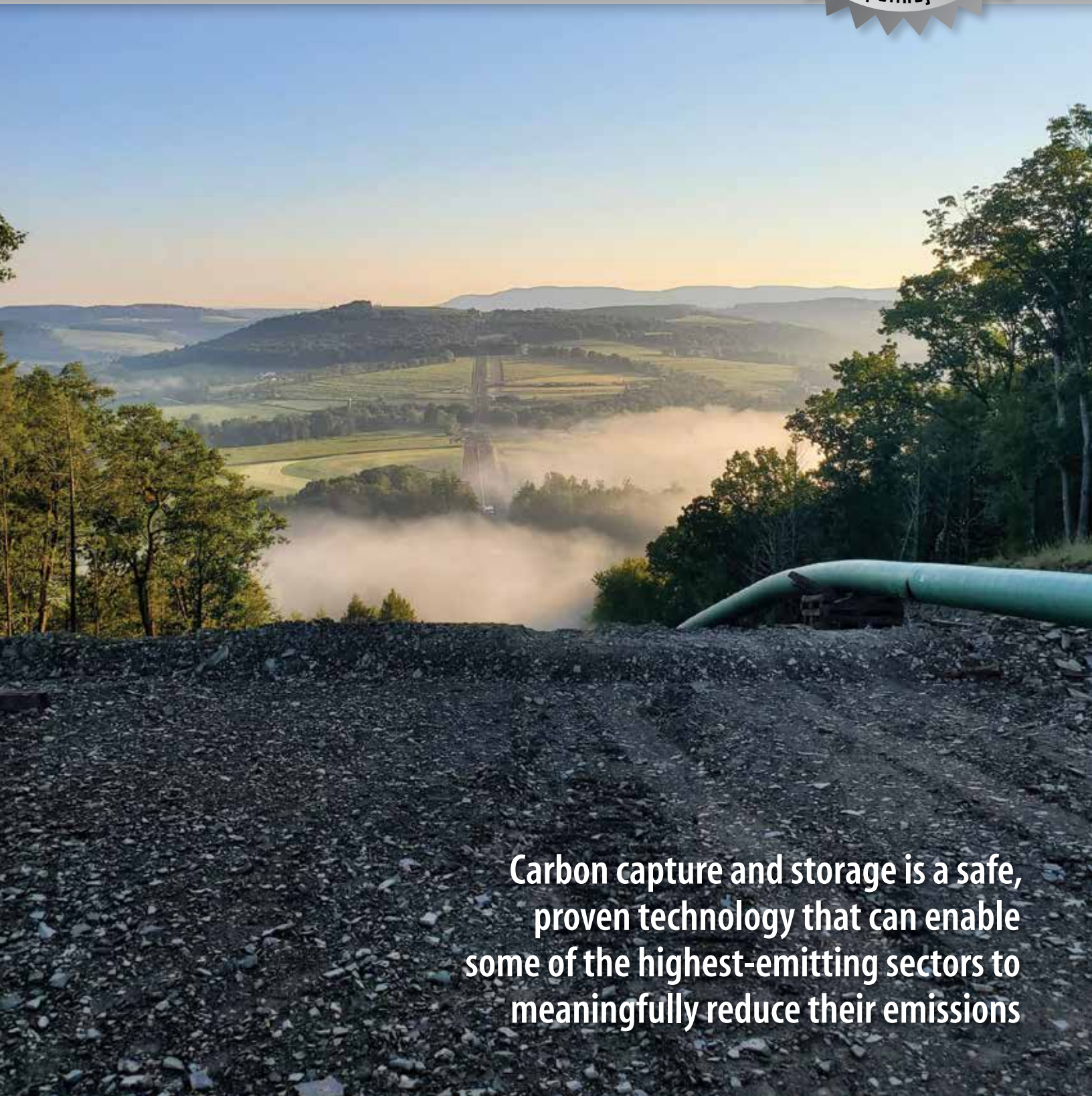


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EVENT CALENDAR

75th Annual PLCA Convention
February 7 - 11, 2023
Grand Hyatt Kauai Resort & Spa
1571 Poipu Rd
Koloa, HI 96756

DCA 62nd Annual Convention
February 20 - 25, 2023
The Fontainebleau
Miami Beach, FL
Please see dcaweb.org for more
information.

2023 APCA Convention
March 31- April 5, 2023
Grand Hyatt Baha Mar
Nassau, Bahamas

PLCAC 69th Annual Convention
May 14 - 18, 2023
Hotel Fairmont Empress
Victoria, British Columbia

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The HDD Company, ph (530) 676-5705 has been awarded a contract for the installation of approximately 75,500 feet of 5-inch pipeline via horizontal direction drilling in Horry County, South Carolina. Superintendent is Ricky Humphries. The approximate starting date is December 1, 2022.

Freeport LNG is planning to construct approximately 11.5 miles of 42-inch pipeline in Freeport, Texas. Construction is expected to begin in late December 2022 or January 2023.

Kinder Morgan is expected to begin construction in January 2023 on approximately 20 miles of 36-inch pipeline near Shreveport, Louisiana.

Capco Contractors, ph (903) 657-2699 has been awarded a construction contract by DT Midstream to install approximately 42 miles of 36-inch pipeline near DeRidder, Louisiana. Construction is expected to begin in January 2023.

Peoples Gas is expected to construct approximately 30 miles of 8-inch pipeline near Dade City, Florida. Construction start is slated for January 2023.

NC Contractors, ph (281) 507-0792 has been awarded a contract by Plains All American for construction of approximately 18 miles of 36-inch pipeline near Mont Belvieu, Texas. Construction expected to begin in January 2023.

Texas International Pipeline is expected to construct approximately 11 miles of 24-inch pipeline from Texas City, Texas to Galveston, Texas. Construction start is expected for January 2023.

Phillips 66 is expected to construct approximately 36 miles of 8-inch pipeline near Union, Missouri. Construction start is expected in February 2023.

Southeast Connection, LLC, ph (404) 659-1422 is getting underway with construction of approximately 3 miles of 12-inch pipeline near Myrtle Beach, South



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LATEST JOB REPORTS

Carolina for Dominion Energy.

MPG Contractors, ph (713) 955-9901 is getting underway with construction of approximately 10 miles of dual 24-inch pipeline near Port Lavaca, Texas.

Loutex Contractors, Inc., ph (936) 269-4791 has been awarded a contract by Energy Transfer for the construction of approximately 2.5 miles of 12-inch pipeline near Pearland, Texas. Work is expected to be getting underway.

Capco Contractors, ph (903) 657-2699 has been awarded a construction contract by DT Midstream to install approximately 15 miles of 20-inch pipeline near Mansfield, Louisiana.

Pumpco, Inc., ph (979) 542-9054 has been awarded a contract by Plains All American for the construction of approximately 8 miles of 24-inch pipeline in West Texas.

Sunland Construction, ph (337) 546-0241 has been awarded a contract by Venture Global for the construction of the **Gator Express Pipeline**. The project includes construction of approximately 17 miles of 42-inch pipeline in Plaquemines Parish, Louisiana.

EPIC Midstream is expected place out for bid and to construct approximately 48 miles of 10-inch pipeline from near Calallen, Texas to near Refugio, Texas. Construction start is expected in February 2023.

Atmos Energy has plans to construct approximately 6 miles of 8-inch pipeline near Union City, Tennessee. Construction is expected to begin in March 2023.

Atlanta Gas & Light has plans to construct approximately 6 miles of 12-inch pipeline near Doraville, Georgia. Construction is expected to begin in May 2023.

Atlanta Gas & Light has plans for the **Buford Highway Replacement** in Northeast DeKalb and



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LATEST JOB REPORTS

Northwest Gwinnett Counties, Georgia. The project route will begin at New Peachtree Road, turn south on Central Avenue, then head west on Buford Highway and end at the AG&L existing station near the intersection with Old Norcross Road. The project includes Construction of approximately 17 miles of 16-inch pipeline. Construction is expected in April or May 2023.

Kinder Morgan is expected to construct approximately 15 miles of 42-inch pipeline near Cayanosa, Texas. Construction is expected to begin in March 2023.

Kinder Morgan will be placing out bid a job which will include construction of approximately 69 miles of 42-inch pipeline from near Freer, Texas to near Sinton, Texas. Construction is slated to begin in March 2023.

Kern River Gas Transmission Company is proposing to construct and operate the **Delta Lateral Project**, which will provide natural gas transportation from Kern River's mainline near Holden, Utah, to a

delivery point near Delta Utah. The project's facilities include an approximately 36-mile, 24-inch natural gas pipeline, tap assemblies, in-line inspection device launchers/receivers and a meter station. The Delta Lateral Project will enable Kern River to meet the energy needs of our customer in the area. Construction is slated to begin in spring of 2023.

Tallgrass Energy is expected to construct approximately 660 miles of 24-inch pipeline from Wyoming to Cushing, Oklahoma (Pony Express Expansion). Construction start is slated for March 2023. The job is currently out for bid.

Dun Transportation & Stringing, Inc., ph (903) 891-9660 has been awarded a contract for the unloading, hauling, and stockpiling of approximately 6 miles of 20-inch pipe in Ward County, Texas. Headquarters is in Monahans, Texas. Superintendent is Mike Bruce. The approximate starting date was November 17, 2022.

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LATEST JOB REPORTS

Ellingson Trenchless, LLC, ph (507) 527-2294 has been awarded a contract for the installation of approximately 2,000 feet of 6-inch pipeline in Lorain County, Ohio. Headquarters is in Elyria, Ohio. The superintendent is Derek Vogel. The approximate starting date was November 17, 2022.

The **Warrior Pipeline Project** would increase Permian takeaway capacity by delivering natural gas from the Midland Basin to Energy Transfer pipeline assets south of the Dallas-Ft. Worth area. The final mileage and diameter are yet to be announced.

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Emissions-Reduction Project in Louisiana Announced; CF Industries, ExxonMobil, EnLink Midstream to Collaborate

- CF Industries to capture up to 2 million metric tons of CO₂ from operations
- ExxonMobil to develop 125K-acre CO₂ storage location in Vermilion Parish
- ExxonMobil agreement with EnLink Midstream to transport CO₂ through pipeline network

CF Industries, a leading global manufacturer of hydrogen and nitrogen products, has entered into the largest-of-its-kind commercial agreement with ExxonMobil to capture and permanently store up to 2 million metric tons of CO₂ emissions annually from its manufacturing complex in Louisiana. Start-up for the project is scheduled for early 2025 and supports Louisiana's objective of net zero CO₂ emissions by 2050.

As previously announced, CF Industries is investing \$200 million to build a CO₂ dehydration and compression unit at its Donaldsonville, Louisiana, facility to enable captured CO₂ to be transported and stored. ExxonMobil will then transport and permanently store the captured CO₂ in secure geologic storage it owns in Vermilion Parish. As part of the project, ExxonMobil has signed an agreement with EnLink Midstream to use EnLink's transportation network to deliver CO₂ to permanent geologic storage. The 2 million metric tons of emissions captured annually will be equivalent to replacing approximately 700,000 gasoline-powered cars with electric vehicles.

"CF Industries is pleased to partner with ExxonMobil through this definitive CO₂ offtake agreement, accelerating our decarbonization journey and supporting Louisiana's and the country's climate goals," said Tony Will, president and chief executive officer, CF Industries Holdings, Inc. "This agreement also ensures that we remain at the forefront of the developing clean energy economy. As we leverage proven carbon capture and sequestration technology, CF Industries will be first-to-market with a significant volume of blue ammonia. This will enable us to supply this low-carbon energy source to hard-to-abate industries that increasingly view it as critical to their own decarbonization goals."

"This landmark project represents large-scale, real-world progress on the journey to decarbonize the global economy," said Dan Ammann, president of ExxonMobil Low Carbon Solutions. "ExxonMobil is providing a critical and scalable solution to reduce CO₂ emissions, and we're ready to offer the same service to other large industrial customers in the state of Louisiana and around the world. We're encouraged by the momentum we see building for projects of this kind, thanks to supportive policies such as the Inflation Reduction Act."

"EnLink has a system of over 4,000 miles of pipeline already in the ground in Louisiana," said Jesse Arenivas, Chief Executive Officer of EnLink. "Utilizing this extensive network enables us to provide the most timely and cost-effective solution to CO₂ transportation, with a significantly lower environmental impact. Because of this, EnLink is uniquely positioned to be the CO₂ transportation provider of choice in Louisiana's Mississippi River corridor, which is a hub of industrial activity that is important to our economy. We look forward to working with ExxonMobil to help CF Industries and the State of Louisiana reach their decarbonization goals."

"Today's announcement of this unprecedented, large-scale, low-carbon partnership is a key milepost on Louisiana's path toward a brighter future for our climate, our economy and our people," said Louisiana Gov. John Bel Edwards. "The collaboration and innovation to bring carbon capture and storage technology forward at this scale reaffirms our state's ability to grow our economy without sacrificing our long-term emission-reduction goals to net zero by 2050."

CF Industries expects to market up to 1.7 million metric tons of blue ammonia annually. A chemical process is considered "blue" when CO₂ emissions are captured before their release into the air, making the process more carbon-neutral. Demand for blue ammonia is expected to grow significantly as a decarbonized energy source for hard-to-abate industries, both for its hydrogen content and as a fuel itself, because ammonia's components – nitrogen and hydrogen – do not emit carbon when combusted.

ExxonMobil Low Carbon Solutions is working to bring lower-emission technologies to market, making them accessible to hard-to-decarbonize industries in the United States and internationally. It is focusing its carbon capture and storage efforts on point-source emissions, the process of capturing CO₂ from industrial activity that would otherwise be released into the atmosphere. Once captured, the CO₂ is injected into deep, underground geologic formations for safe, secure and permanent storage. In the United States, these storage efforts are regulated by state and federal agencies.

Carbon capture and storage is a safe, proven technology that can enable some of the highest-emitting sectors to meaningfully reduce their emissions. These industries include manufacturing, power generation, refining, petrochemical, steel, and cement operations. With effective government policies in place, broad deployment of commercial-scale carbon capture and storage projects could create a new industry, resulting in job creation and economic growth.

TC Energy

3 Rivers Energy Partners to develop renewable natural gas production facility at Jack Daniel Distillery

TC Energy Corporation announced today a \$29.3 million investment in a renewable natural gas (RNG) production facility near the Jack Daniel Distillery in Lynchburg, TN. Owned by Lynchburg Renewable Fuels LLC, the facility will produce RNG with a carbon intensity score that is 50 per cent lower than traditional natural gas, saving up to 16,000 tonnes of CO₂e/ year. The project is being developed by 3 Rivers Energy Partners, LLC, also an owner in Lynchburg Renewable Fuels.

Once operational in 2024, a byproduct of the Jack Daniel's distilling process will be broken down to generate methane gases recovered as biogas. A biogas upgrade plant will remove contaminants to produce pipeline-quality RNG that will be directly connected to a local natural gas utility. Liquid fertilizer will also be produced in the process, processed, stored and distributed to meet local agriculture demand.

"This investment is our first in the production of renewable natural gas," said Corey Hessen, TC Energy Executive Vice-President and President, Power & Energy Solutions. "The production of RNG onsite at the Jack Daniel Distillery offers TC Energy one more opportunity to meet the challenge of growing energy needs and reducing emissions while providing customers with access to an affordable, reliable source of energy."

TC Energy will market 100 per cent of the RNG production and environmental attributes, which include renewable

identification numbers and low carbon fuel standards.

"Our goal is to create lasting partnerships that give organizations the ability to create a sustainable future by utilizing bio-waste to reduce energy and help sustain local agriculture," said John Rivers, CEO of 3 Rivers Energy Partners. "What we are doing is a major step for Jack Daniel's, the local agriculture, and our planet's future."

TC Energy and 3 Rivers Energy Partners have also committed to jointly develop future RNG projects.

Since 2002, TC Energy has transported RNG with the current capacity to flow over 30 Bcf annually to market through 17 interconnects across its footprint of thousands of miles of pipelines. This investment marks the company's first for producing RNG.

The announcement builds upon TC Energy's ongoing development of its extensive low-carbon energy portfolio, most recently as the company commenced construction in October on an 81 MW solar facility in Alberta.



Baton Rouge

Firm Seeking \$15B For 'Net-Zero LNG' Project

Baton Rouge-based G2 Net-Zero is seeking \$15 billion for a project to produce liquefied natural gas while capturing the emissions, says Chas Roemer, who chairs the company.

Roemer says investors who might otherwise be interested, and regulators that might be supportive, are wary of anything that requires a long-term commitment to fossil fuels.

"The technology we have is proven," Roemer told the Baton Rouge Press Club today. "This is a way to take a fossil fuel and eliminate the emissions."

The company currently has a small project that it is looking to scale up, Roemer says. Angele Davis, who was commissioner of administration for former Gov. Bobby Jindal, is CEO.

"G2 Net-Zero is deploying best in class technologies and innovative protocols to generate electricity and industrial gases like argon, blue ammonia, hydrogen, nitrogen and oxygen by

2023," the site states. "By 2027, G2 will be producing, transporting, processing, liquefying and exporting natural gas, all while leveraging the capture of 4 million tons of CO₂."

Roemer says G2 started out as a traditional liquefied natural gas company that was trying to figure out a way to reduce emissions. The project would capture the carbon emissions to be sold and shipped by pipeline.

"There are plenty of companies calling us every day about doing permanent storage of our carbon," he says.

Critics worry that carbon capture and storage poses environmental risks without delivering the promised benefits. The technology also has been criticized for its reliance on methane infrastructure, according to the New York Times.

PROPOSED PROJECTS & UPDATES

Alliance Pipeline, L. P. has received a favorable Draft Environmental Impact Statement from the FERC for the proposed **Three Rivers Interconnection Project**. Alliance proposes to construct and operate about 2.9 miles of 20-inch-diameter natural gas transmission pipeline and associated facilities in Grundy County, Illinois. This pipeline would connect Alliance's existing interstate natural gas transmission system to the CPV Three Rivers Energy Center, currently under construction; and as proposed, would transport up to 210 million standard cubic feet per day of natural gas to this facility.

ANR Pipeline has filed an application with the FERC for its proposed **Wisconsin Reliability Project (WRP)**. WRP is an expansion and reliability project designed to provide much needed natural gas supply to meet the increasing market demand of residential, commercial, and industrial consumers in the State of Wisconsin, while increasing the reliability and efficiency of ANR's existing system. WRP consists of: installation of two (2) new 3,750 horsepower, emission and environmentally friendly Dual Drive Technologies, Ltd.TM ("dual-drive") compressor units at the existing Kewaskum Compressor Station in Sheboygan County, Wisconsin, which will run exclusively as electric drive during normal operating conditions; removal of five (5) existing compressor units and uprate of one (1) existing unit; installation of two (2) new 3,750 HP dual-drive compressor units at the existing Weyauwega Compressor Station in Waupaca County, Wisconsin, which will run exclusively as electric drive during normal operating conditions; removal of one (1) existing compressor unit and upsizing of station inlet and discharge piping; replacement of approximately 48 miles of existing, 14- and 22-inch-diameter Line 301 and 24-inch-diameter Line 226 with 30 and 36-inch-diameter pipeline - mostly within ANR's existing right-of-way, utilizing a lift and lay replacement method, in the Counties of Washington, Waupaca, Outagamie, and Winnebago, Wisconsin, as well as McHenry County, Illinois; expansion of the existing Lena, Merrill, Oshkosh, South Wausau, Steven's Point, and Two Rivers meter stations to accommodate deliveries of incremental capacity in the Counties of Oconto, Merrill, Winnebago, Marathon, Portage, and Manitowoc, Wisconsin; and other minor appurtenant facilities. Upon receiving all required project approvals, ANR anticipates commencing construction in 2024 with a target in-service date of November 1, 2025.

ANR proposes to replace natural gas compressor facilities at its Jena Compressor Station in La Salle Parish, Louisiana. Specifically, ANR proposes to remove one 7,800 horsepower compressor unit and replace it with a Solar Mars 100 ISO-rated gas turbine compressor unit (15,900 horsepower) to maintain reliability and overall compressor station performance. According to ANR, with controls installed to govern station operation, the station would have a substantially equivalent designed delivery capacity to ensure that it would not exceed

the station's 21,300 certificated horsepower. ANR states that replacing the unit would provide greater system reliability to existing shippers through an efficient modernization, while gaining maintenance and operational efficiencies. There would be no increase, reduction, or abandonment of service as a result of the replacement of facilities.

Boardwalk Storage Company, LLC has filed an application with the FERC requesting a Certificate of Public Convenience and Necessity for the proposed project **BSC Compression Replacement Project**. The project includes abandoning one existing electric driven 10,000 horsepower (hp) compression unit and installing a new electric driven 9,000 hp compressor unit and other auxiliary facilities at the Choctaw Compressor Station in Iberville Parish, Louisiana. Issuance of the Environmental Assessment from the FERC is expected March 13, 2023 with a final decision expected June 11, 2023.

Columbia Gas Transmission, LLC has filed an application with the FERC for its proposed **Virginia Reliability Project (VRP)**. VRP is an expansion and reliability project designed to provide much needed natural gas supply to meet the increasing market demand of residential, commercial, and industrial consumers in the State of Virginia. The project consists of installation of one (1) new 5,500 horsepower ("HP") state-of-the-art, emission and environmentally friendly Dual Drive Technologies, Ltd.TM ("dual-drive") compressor unit which will run exclusively as electric drive during normal operating conditions, during which time would not produce emissions, except in the event of a power outage at the existing Emporia Compressor Station in Greensville County, Virginia; a facility upgrade involving additional gas cooling and an increase of 2,700 HP at the existing Petersburg Compressor Station in Prince George County, Virginia; replacement of approximately 48 miles of existing, 1950's vintage 12-inch diameter VM-107 and VM-108 pipelines with 24-inch diameter pipeline, mostly within Columbia's existing right-of-way, in the Counties of Sussex, Surry, Southampton, and Isle of Wight, as well as the cities of Suffolk and Chesapeake, Virginia; expansion of the Emporia Point of Receipt, RS-7423 and a Point of Delivery located in Chesapeake, Virginia; eight mainline valve replacements and five new launcher/receiver installations on three of the VM-107 and two of the (2) VM- 108 replacement segments; and replacement of the over pressure protection regulation with a larger capacity regulation; and other minor appurtenant facilities. Through the installation of these incremental facilities, and the modification and optimization of existing infrastructure, the project will create 100,000 (Dth/d") of incremental mainline capacity on Columbia's pipeline system. The incremental capacity created by the project will allow for open access firm transportation service to points of delivery in Columbia's Market Area 34 in southeast Virginia. Upon receiving all required project approvals, Columbia anticipates commencing

PROPOSED PROJECTS & UPDATES

construction in early 2024 with a target in-service date of November 1, 2025.

Columbia Gulf Transmission, LLC – FERC has issued approval for the **East Lateral Xpress** project. The project consists of the construction of two new compressor stations, a new meter station, approximately 8 miles of new 30-inch diameter natural gas pipeline lateral, two new mainline valves (MLVs), tie-in facility, launcher and receiver facilities, and other auxiliary appurtenant facilities all located in St. Mary, Lafourche, Jefferson, and Plaquemines parishes, Louisiana. Upon completion, the project, as proposed, will create 183,000 dekatherms per day (Dth/d) of incremental capacity. Columbia Gulf's proposed 30-inch pipeline lateral and POD Meter Station will interconnect with Venture Global Gator Express, LLC's Gator Express Pipeline, supplying feed gas to Venture Global Plaquemines LNG, LLC's (Venture Global LNG's) liquefied natural gas facility, all located in Plaquemines Parish, Louisiana. The pipeline facilities associated with the project will involve the construction and operation of 8.14 miles of new 30-inch-diameter pipeline lateral within Barataria Bay. Pending receipt of all necessary

authorizations and permits, Columbia Gulf anticipates mobilization and construction of the 30-inch pipeline lateral and associated aboveground facilities in Barataria Bay to begin by January 31, 2022. Mobilization, clearing, and construction of the Centerville and Golden Meadow compressor stations and associated facilities are also anticipated to begin by January 31, 2022. These construction start dates are necessary in order to meet an in-service date of January 1, 2023 for the overall project.

Columbia Gas Transmission, LLC has filed a prior notice request with the FERC requesting authorization to perform installations and activities to enable the bi-directional in-line inspection, or pigging, of its 18-inch and 20-inch diameter Line D420 "Line D420 ILI Make Piggable Project". The proposed project involves modifying the existing 18-inch and 20-inch Line D420 pipeline at various locations ("Mod Points"); and installing three bi-directional launching and receiving stations for in-line inspection devices, and other appurtenant facilities. The project is located in Sandusky, Ottawa, and Lucas Counties, Ohio.



The advertisement features a large gorilla logo at the top left, with the text "TUFFSTAND™ HEAVY DUTY PIPESTANDS" in bold green and white letters. Below the logo, a photograph shows construction workers in safety gear working with large pipes. In the foreground, two large, dark-colored pipe stands are shown, labeled "12" and "24" in white. To the right of the pipe stands, a green box contains a list of benefits: "• Save Time, Labor & Freight Costs", "• Increase Safety", and "• Outperform Traditional Wood Support Systems". Below this list, the text "12\" TuffStand: 2\"-12\" Pipe" and "24\" TuffStand: 2\"- 24\" Pipe (Heat Resistant Nylon)" is displayed. At the bottom left, the "DURAPLAS" logo is visible, along with a recycling symbol and "MADE IN THE USA" text. At the bottom right, the phone number "800-288-9748" and the website "TUFF-STAND.COM" are listed.

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PROPOSED PROJECTS & UPDATES

Columbia Gas Transmission, LLC has filed a prior notice request with the FERC seeking authorization to replace a segment of its existing Line 1360 and related facilities in Beaver County, Pennsylvania. Specifically, Columbia proposes to replace approximately 2.78 miles of 16-inch bare steel and coated pipeline with 16-inch coated pipeline.

Driftwood Pipeline, LLC has received a favorable Final Environmental Impact Statement from the FERC for construction of the **Line 200 and Line 300 Project**. The project would include the following natural gas facilities: approximately 36.9 miles of 42-inch-diameter pipeline in Beauregard and Calcasieu Parishes, Louisiana (Line 200); approximately 32.4 miles of 42-inch-diameter pipeline in Beauregard and Calcasieu Parishes, Louisiana (Line 300) that would be constructed adjacent to Line 200 in a second phase of construction; new compressor station at MP 4.5 identified as the Indian Bayou Compressor Station with a total 211,200 horsepower (hp) in Beauregard Parish, Louisiana; approximately 0.9 mile of 30-inch-diameter lateral (Sempra Lateral) extending from Line 300 Meter Station 14 (milepost [MP] 4.0) to the Indian Bayou Compressor Station (MP 4.5); approximately 0.8 mile of 30-inch-diameter lateral (Transco Lateral) from Line 300 extending from Meter Station 5 (MP 5.2) to the Indian Bayou Compressor Station (MP 4.5); approximately 850 feet of dual 42-inch-diameter pipelines connecting the receiver facility (MP 36.9) to Meter Station 12 (MP 36.9); new receiver facility at the terminus of the Line 200 and Line 300 (MP 36.9) in Calcasieu Parish, Louisiana; 11 new meter stations and interconnects in Beauregard and Calcasieu Parishes, Louisiana; 6 mainline valves (MLV) within 3 valve facilities; and additional ancillary facilities such as communication facilities and internal inspection devices (i.e., pig launchers and receivers). Driftwood is requesting authorizations no later than the 4th quarter of 2022.

Driftwood LNG LLC and Driftwood Pipeline, LLC have 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. Project is underway.

East Tennessee Natural Gas, LLC has filed a FERC pre-filing review for the proposed **System Alignment Program**. The Program is designed to modify portions of

East Tennessee's existing system to significantly reduce reliance on displacement, which will allow for decreased risk of service restrictions and enhanced bi-directional capability. The scheduled in-service date for the initial program activities is in April 2026. The program consists of installation of approximately 16.2 miles of 24-inch diameter pipeline loop next to East Tennessee's existing 16-inch diameter pipeline ("Boyd's Creek Loop"), the replacement of approximately 6.5 miles of existing 8-inch diameter pipeline with new 24-inch diameter pipeline ("Bristol to Glade Spring Pipe Replacement"), one 6,000 horsepower ("HP") electric-motor driven ("EMD") compressor unit at the proposed Talbott Compressor Station, one 14,000 HP EMD compressor unit and one 5,000 HP EMD compressor unit at the proposed Draper Compressor Station, and related ancillary facilities.

East Tennessee Natural Gas is proposing the **Ridgeline Project**. The project would consist of the following facilities: approximately 112 miles of new 30-inch-diameter pipeline extending from the discharge of the new electric-powered Hartsville Compressor Station, mostly in East Tennessee's existing right-of-way, in Trousdale County, Tennessee to a terminus near the beginning of the East Tennessee Harriman Lateral and traversing through Trousdale, Smith, Jackson, Putnam, Overton, Fentress, Morgan, and Roane Counties, Tennessee; approximately 5 miles of new 30-inch-diameter header pipeline to connect to the suction of the new electric-powered Hartsville Compressor Station from a new meter and regulating (M&R) station mostly in East Tennessee's existing right-of-way in Trousdale County, Tennessee; approximately 8 miles of new 24-inch-diameter pipeline partially paralleling East Tennessee's Harriman Lateral right-of-way to connect to the Kingston Plant in Roane County, Tennessee; the new Hartsville Compressor Station, including two new 6,000 horsepower electric-powered compressor units, in Trousdale County, Tennessee; a new 8-megawatt solar array adjacent to the Hartsville Compressor Station to partially power the station; a new M&R station to receive gas from Columbia Gulf Transmission, LLC in Trousdale County, Tennessee; a new M&R station to deliver gas to the Kingston Plant in Roane County, Tennessee; modifications to the existing Texas Eastern Transmission, LP and Midwestern Gas Transmission Company M&R stations in Trousdale County, Tennessee; and three new crossovers to connect the new 30-inch-pipeline to the existing Line 3100-1 at the existing Gainesboro Compressor Station, Clarkrange Compressor Station, and 22-inch Line 3100-1 at milepost 148.89. Pending a positive final investment decision and the approval and receipt of all necessary permits, construction would begin in 2025 with a target in-service date of fall 2026.

Enterprise Products Partners L.P. announced three organic growth projects to expand its footprint in the Permian Basin to support ongoing production growth in the basin. The projects include the addition of two natural gas processing plants and

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the expansion of the company's natural gas liquid pipeline system. In the Delaware Basin, Enterprise will add a third plant at its Mentone cryogenic natural gas processing plant in Loving County, Texas. The project will increase nameplate capacity at Mentone by 300 million cubic feet per day and allow Enterprise to extract an incremental 40,000 barrels per day of NGL. The expansion is supported by long-term capacity agreements and is expected to begin service at the end of the first quarter of 2024. Upon completion, Enterprise will have a total nameplate natural gas processing capacity in the Delaware Basin of 2.2 billion cubic feet per day and more than 300,000 BPD of NGL extraction capabilities. In the Midland Basin, Enterprise is expanding its network of natural gas processing assets acquired in the purchase of Navitas Midstream in February of 2022. Enterprise will add its seventh natural gas processing plant in Midland County, Texas. Plant 7, which is supported by long-term acreage dedication agreements, will have a nameplate natural gas processing capacity of 300 MMcf/d and will be able to extract over 40,000 BPD of NGLs. Following its completion at the end of the first quarter of 2024, Enterprise will have a total of 1.6 Bcf/d of processing capacity and more than 220,000 BPD of NGL extraction capabilities in the Midland Basin. Increasing NGL production in the Permian Basin creates the need for

additional NGL transportation capacity. Enterprise plans to expand its Shin Oak NGL pipeline system via looping and modification of existing pump stations. This initial expansion would add up to 275,000 BPD of capacity, with completion expected in the first half of 2024.

Equitrans, L.P., has filed an application with the FERC seeking a Certificate of Public and Convenience and Necessity for its Ohio Valley Connector Expansion Project. Equitrans is proposing to acquire the Cygrymus Compressor Station in Greene County, Pennsylvania and to construct, own, and operate two turbines at the Cygrymus Compressor Station; one additional compressor unit at the existing Corona Compressor Station in Wetzel County, West Virginia; one additional compressor unit at the existing Plasma Compressor Station in Monroe County, Ohio; approximately 5.5 miles of pipeline in different locations related to the compressor stations; one deep anode groundbed and rectifier for cathodic protection in Greene County, Pennsylvania; and ancillary facilities.

FERC has issued a Draft Environmental Impact Statement for the **Big Bend Project** involving construction and operation of facilities by **Florida Gas Transmission**

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Company, LLC (FGT) in Calhoun, Jefferson, Gadsden, Gilchrist, Santa Rosa, and Taylor Counties, Florida. FGT proposes to construct and operate the Big Bend Project to provide about 29 million standard cubic feet of natural gas per day to serve the need for additional firm transportation service in Hillsborough and Pinellas Counties, Florida for current and future electricity generation. The project facilities would consist of the West Loop: approximately 1.7 miles of 36-inch pipeline loop extension in Calhoun County, Florida; East Loop: approximately 1.5 miles of 36-inch pipeline loop extension in Jefferson County, Florida; relocation of associated pig receiver stations in Calhoun and Jefferson Counties, Florida; and upgrading existing natural gas-fired compressor turbines at four existing compressor stations - Compressor Station 12 – upgrade Unit 1207 from 15,000 horsepower (HP) to 16,000 HP in Santa Rosa County, Florida; Compressor Station 14 – upgrade Unit 1409 from 20,500 HP to 23,500 HP in Gadsden County, Florida; Compressor Station 15 – upgrade Unit 1507 from 15,000 HP to 16,000 HP in Taylor County, Florida; and Compressor Station 24 – upgrade Unit 2403 from 20,500 HP to 23,500 HP in Gilchrist County, Florida. Completion of the project is slated for 2023.

The staff of the FERC has prepared a Final Environmental Impact Statement (EIS) for **Gas Transmission Northwest LLC's (GTN) GTN Xpress Project**. GTN proposes to modify the existing Athol Compressor Station in Kootenai County, Idaho; the existing Starbuck Compressor Station in Walla Walla County, Washington; and the existing Kent Compressor Station in Sherman County, Oregon. This Project would increase the capacity of GTN's existing natural gas transmission system by about 150 million standard cubic feet per day between Idaho and Oregon. According to GTN, the project is necessary to serve the growing market demand its system is experiencing. Specifically, GTN proposes to complete the following activities: Athol Compressor Station Upgrade an existing Solar Turban Titan 130 gas-fired turbine compressor from 14,300 horsepower (HP) to 23,470 HP via a software upgrade only, no mechanical work or ground disturbance would occur at this location. Starbuck Compressor Station - upgrade an existing Solar Turban Titan 130 gas-fired turbine compressor from 14,300 HP to 23,470 HP; and install a new 23,470 HP Solar Turbine Titan 130 gas-fired turbine compressor and associated piping, and 3 new gas cooling bays and associated piping. Kent Compressor Station upgrade an existing Solar Turban Titan 130 gas-fired turbine compressor from 14,300 HP to 23,470 HP; install 4 new gas cooling bays and associated piping; and improve an existing access road. The new Starbuck Compressor Station facilities would be located within the fenced boundaries of the existing site. The new Kent Compressor Station Facilities would be located in an expanded and fenced area abutting the existing site. The FERC staff concludes that modifying and installing the project facilities would result in

limited adverse impacts on the environment. Most adverse environmental impacts would be temporary or short-term and would have minimal impact on existing land use as the project facilities would be located within the fenced-boundaries of existing compressor stations or abutting an existing compressor station. To ensure impacts on the environment are avoided, reduced, and minimized to the extent practical, staff recommends that Alliance implement additional mitigation measures.

Great Basin Transmission has received an Environmental Assessment from the FERC for the **2023 Mainline Replacement** project. This includes replacement of approximately 20.36 miles of replacement pipe in a single segment along Great Basin's mainline in Humboldt County, Nevada. The project facilities include installation of approximately 20.36 miles of new 16-inch diameter steel pipeline; abandonment of approximately 20.36 miles of existing 16-inch diameter steel pipeline; and installation and abandonment of associated auxiliary or appurtenant facilities. Great Basin is requesting FERC approval by February 2023 to meet an in-service date of November 2023.

Gulf South Pipeline Company, LLC has an application with the FERC seeking approval for the **Index 130 MS River Replacement Project** in Ascension Parish, Louisiana. To accommodate the Mississippi River Ship Channel Deepening Project, Gulf South proposes to replace via horizontal directional drill its Mississippi River Crossing, consisting of three 20-inch-diameter pipelines with approximately 5,750 feet of two 30-inch-diameter pipelines under the Mississippi River and install auxiliary and appurtenant equipment. Gulf South requests authorization to abandon three segments of the 20-inch-diameter Mississippi River Crossing pipeline by removal (combined total of approx. 9,455 feet) and the remaining pipeline in place (combined total of approx. 7,380 feet). Gulf South also proposes to reconfigure its existing mainline valve yards on the west and east banks of the Mississippi River—the Modeste Valve Site and Sugar Bowl Pig Trap/Valve Site. Where Gulf South's Index 804 connects to the Index 130 and Index 130L, the proposed reconfiguration will require expanding Index 804 by approximately 730 feet of 6-inch-diameter pipeline to the new tie-in location, and Gulf South proposes to remove the existing Sugar Bowl Pig Trap/Valve site. A final FERC Environmental Decision expected on December 27, 2022.

The staff of the FERC has issued a positive Environmental Impact Statement for the proposed by **Iroquois Transmission Enhancement by Compression Project**. The project is designed to provide a total of 125,000 dekatherms per day of incremental firm transportation service for two existing customers of Iroquois, Consolidated Edison Company of

PROPOSED PROJECTS & UPDATES

New York, Inc. and Key Span Gas East Corporation doing business as National Grid. The proposed project includes: Athens Compressor Station – installation of one new 12,000 horsepower (hp) natural gas-fired turbine (Unit A2) in a new building with associated cooling, filter separators, and other facilities connecting to Iroquois' existing 24-inch mainline within the existing fenced compressor station boundary (Greene County, New York); Dover Compressor Station – installation of one new 12,000 hp natural gas fired turbine (Unit A2) in a new building with associated cooling, filter separators, and other facilities connecting to Iroquois' existing 24-inch mainline and expansion of the existing compressor station fence line within the property boundary (Dutchess County, New York); Brookfield Compressor Station – construction of a control/office building, addition of two new 12,000 hp, natural gas-fired turbines (Unit B1 and Unit B2) in a new building with associated cooling, filter separators, and other typical facilities connecting to Iroquois' existing 24-inch mainline. Additionally, Iroquois would install incremental cooling at Plant 2-A to allow for compressed discharge gas to be cooled, prior to being compressed at the proposed downstream compressors (Units B1 and B2). Iroquois would also replace existing turbine stacks on the existing compressor units (Unit-A1 and Unit-A2) and add

other noise reduction measures (e.g., louvers, seals) to minimize existing noise at the site. Modifications at this site would require expansion of the existing compressor station fence line within the property boundary (Fairfield County, Connecticut) and Milford Compressor Station – addition of gas cooling to existing compressor units and associated piping to allow for compressed discharge gas to be cooled within the current fenced boundaries of the existing compressor station, where no gas cooling facilities currently exist (New Haven County, Connecticut). If approved, construction should be completed by November 1, 2023.

MarkWest Pioneer proposes to replace natural gas compressor facilities at its Arkoma #1 compressor station in Coal County, Oklahoma. Due to an October 11, 2022, operational incident that caused damage to the existing compressor units, MarkWest Pioneer proposes to replace two 3,550 horsepower Caterpillar Model 3612 units with two identical compressor packages. MarkWest Pioneer states that the unit replacements would result in a substantially equivalent designed delivery capacity. There would be no increase, reduction, or abandonment of service as a result of the replacement of facilities.

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Mojave Pipeline Company, L.L.C. (Mojave) has requested that the FERC grant an extension of time until December 31, 2022, to complete construction of its Oak Creek Delivery Point Project located in Kern County, California. Mojave requested authorization to construct its project in a prior notice application filed on September 13, 2021. Since no protests were filed within the comment period, Mojave's Project was deemed to be authorized on November 23, 2022. Mojave initially anticipated beginning construction by the end of 2021 once CalPortland Company (CalPortland) had obtained all necessary permits in order to construct and place the new delivery point into service by January 31, 2022. However, due to delays in CalPortland receiving its necessary permits, construction on the project did not begin until October 4, 2022. Since construction commenced, the planned construction sequencing first requires the installation of CalPortland's meter station and related connecting lateral to Mojave's existing tap site followed by Mojave's construction activities. Mojave anticipates this construction plan will likely push the completion of the Mojave Project until December 31, 2022.

National Fuel Gas Supply Corporation has filed a notice with the FERC requesting authorization to abandon and replace 11.55 miles of 12-inch-diameter bare steel pipeline (Line Z20) with 20-inch coated steel pipeline and construct certain related natural gas facilities located in Potter County, Pennsylvania. National Fuel states the proposed replacement is part of a modernization program to enhance the reliability and safety of its system and upsizing the pipeline will enable it to provide additional firm transportation service. The proposed construction is estimated to cost \$33.4 million.

National Fuel Gas Supply Corporation has filed a Prior Notice application with the FERC requesting authorization to construct and operate 8.8 miles of 12-inch pipeline, abandon 8.8 miles of 12-inch pipeline and modify certain above-ground facilities, located in Erie County, New York (referred to as the "**Line SNY Modernization Project**"). The proposed project includes the reconfiguration of the pipeline system such that 8.4 miles of new pipeline will be installed and a total of 14.1 miles of vintage bare steel pipeline will be retired.

Navigator CO2 Ventures is proposing the **Heartland Greenway Pipeline**. Heartland Greenway is a proposed carbon capture and sequestration (CCS) system that will provide biofuel producers and other industrial customers in five Midwest states with a long-term and cost-effective means to reduce their carbon footprint. Heartland Greenway will reach industrial customers in Illinois, Iowa, Minnesota, Nebraska and South Dakota. Operations are expected to be phased in early 2025. The estimated \$3 billion project would lay about 900 miles of steel pipe — ranging in diameter from 6 to 24 inches. Navigator plans to solidify its final proposed

route for its pipeline — dubbed the Heartland Greenway System — the rest of this year and apply for a federal permit. If successful, it expects to receive state and federal permits in the second half of 2023 and start construction in 2024. The starts of construction would happen in 20 different places concurrently in 2024.

Northern Natural Gas Company has received a favorable Environmental Assessment for the **Des-Moines Line A Replacement** project. Northern proposes to abandon, construct, and operate certain interstate natural gas facilities in Boone, Dallas and Polk Counties, Iowa. About 29.6 miles of its existing 16-inch-diameter Des Moines A-line would be abandoned. This old pipeline, which was originally built in the 1940s, includes mechanical joints and acetylene welds, so that it cannot be inspected with in-line tools. Northern would install a total of about 9.1 miles of new 20-inch-diameter pipeline, in two separate segments, as an extension of its existing C-line. The C-line extension would allow replacement of a total of about 340 million cubic feet per day (MMcf/day) of natural gas that would have flowed through the A-line to be abandoned.

The staff of the FERC has prepared a favorable Draft Environmental Impact Statement for the Northern Natural Gas Company **Northern Lights 2023 Expansion Project**. Northern Natural Gas Company (Northern) proposes to construct and operate certain interstate natural gas facilities in Freeborn, Washington, Scott, Sherburne, and Stearns Counties, Minnesota and Monroe County, Wisconsin. The project would involve six new pipeline segments (four pipeline extensions and two pipeline loops) totaling 9.8 miles of pipe. The pipelines would range in size from 4 to 36 inches — in diameter. Northern also proposes construction of four new valve settings, abandonment and removal of two existing valve settings, and modifications at six existing aboveground facilities.

Ozark Gas Transmission, L.L.C. has filed a prior notice request with the FERC seeking the following authorizations to construct, own, operate, and maintain the **Ozark Supply Access Project**, which consists of approximately 2.0-miles of 16-inch-diameter natural gas loop pipeline; a new compressor station; installation of two (2) new pipeline interconnects; and modifications at Ozark's existing Standing Rock Compressor. The proposed Loop Line and Raney Compressor components of the project are located approximately four miles north of Walnut Ridge in Lawrence County, Arkansas.

Port Arthur Pipeline, LLC has filed a request to extend construction of the 26.6-mile northern portion of the proposed **Port Arthur Pipeline Texas Connector** (PAPTC) project extending from Vidor in Orange County, TX to the proposed liquefaction project, with the majority of the proposed pipeline

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co-located with existing energy infrastructure rights-of-way. The approximately seven-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 company is asking for permission to file the Implementation Plan for the project until March 2023.



Permian Highway Pipeline, LLC (PHP) has received a favorable final investment decision for an expansion project on its system. The project will increase PHP's capacity by nearly 650 million cubic feet per day (MMcf/d). A foundation shipper has already executed long-term binding transportation agreements for half of this expansion capacity. The project will involve primarily compression expansions on PHP to increase natural gas deliveries from the Waha area to multiple mainline connections, Katy, Texas and various U.S. Gulf Coast markets. The targeted in-service date for the project is October 1, 2023.

Spire Storage West, LLC - The staff of the Federal Energy Regulatory Commission has issued approval for the **Clear Creek Expansion Project** proposed by Spire Storage West, LLC. Spire's Clear Creek Expansion Project is designed to increase compression at the Clear Creek Plant from 3,740 horsepower (hp) to 24,340 hp; and to increase the working gas and base gas capacity of the Clear Creek Storage Field from 4.0 billion cubic feet (Bcf) to 20.0 Bcf. The project would also increase the injection and withdrawal capacities at the Clear Creek Storage Field from 35 million cubic feet per day (MMcf/day) and 50 MMcf/day, respectively, to 350 MMcf/day and 500 MMcf/day, respectively; and establish a buffer

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zone for the Clear Creek Storage Field extending 0.25 mile around the reservoir. The Clear Creek Expansion Project includes the following proposed facilities in Uinta County, Wyoming: four compressor units at the Clear Creek Plant; a tank storage and natural gas liquids fueling equipment facility on an existing pad; 11 new injection/withdrawal wells, one new water disposal well, and associated lines; approximately 7.0 miles of 20-inch-diameter pipeline; and approximately 3.6 miles of 24-inch diameter pipeline; and other related appurtenances. Completion is slated for early 2024.

Tennessee Gas Pipeline Company, L.L.C. has submitted a request to the FERC to use the pre-filing procedures for its proposed **Cumberland Project**. The project would consist of approximately 32 miles of new 30-inch pipeline, connecting to TGP's existing Lines 100-1 and 100-2 in Dickson, Houston, and Stewart counties, Tennessee. In addition, the project includes the construction of the following above-ground facilities: a meter station to be located on the western end of the proposed pipeline; bi-directional back pressure regulation facilities on TGP's Line 100-1; in-line inspection traps at each end of the proposed pipeline; and one main-line valve to be located at an intermediate location along

the proposed pipeline. The project will provide up to 245,000 dekatherms per day ("Dth/day") of additional natural gas transportation capacity to TVA. If approved, Tennessee Gas anticipates construction would begin in November 2024.

Texas Eastern Transmission, LP has received a favorable Draft Environmental Assessment from the FERC for its proposed **Venice Extension Project**. The proposed project would include: constructing, installing, owning, operating, and maintaining an approximately 3.0-mile-long, 36-inch-diameter pipeline segment (Line 40 Pipeline Replacement) on its existing Line 40 in Pointe Coupee Parish; abandoning in place a 2.2-mile-long, 36-inch-diameter pipeline segment on its existing Line 40 in Pointe Coupee Parish; constructing a new 31,900 horsepower (hp) compressor station (proposed New Roads Compressor Station) and metering and regulating (M&R) facilities in Pointe Coupee Parish; abandoning in place the inactive 19,800 hp compressor unit at Texas Eastern's existing White Castle Compressor Station in Iberville Parish and the inactive 19,800 hp compressor unit at its existing Larose Compressor Station in Lafourche Parish; installing one new 31,900 hp compressor unit and related appurtenances at both White Castle and Larose Compressor Stations; and upgrading its Gator Express M&R

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facility on an existing open-water platform in Plaquemines Parish. In order to place the project into service as early as March 1, 2024, Texas Eastern requests that the Commission issue an order granting the authorizations and waivers requested herein by February 28, 2023.

Texas Eastern Transmission, LP has submitted an application to the FERC for the proposed **Venice Extension Project**. Texas Eastern is proposing to construct, install, own, operate and maintain an approximately 3.0-mile, 36-inch diameter pipeline segment on Texas Eastern's Line 40; abandon in place a 2.2-mile, 36-inch diameter existing pipeline segment on Line 40; construct a new compressor station and metering and regulating facilities in Pointe Coupee Parish, Louisiana; abandon in place the existing, inactive compressor unit at the compressor station in Iberville Parish, Louisiana, and the existing, inactive compressor unit at the compressor station in Lafourche Parish, Louisiana; install one new compressor unit and related appurtenances at each compressor station in Iberville Parish and Lafourche Parish; and upgrade a metering and regulating facility on a platform in Plaquemines Parish. In order to place the project into service as early as March 1, 2024, Texas Eastern requests that the Commission issue an order granting the

authorizations and waivers by February 28, 2023.

Texas Eastern Transmission has an application before the FERC seeking approval for the **Appalachia to Market II Project** and the proposed **Armagh and Entriken Compressor Station Horsepower Replacement Projects**. Texas Eastern's proposed Appalachia to Market II Project is designed to provide up to 55,000 dekatherms per day of additional firm natural gas transportation service from the Appalachia supply basin in Southwest Pennsylvania to existing local distribution company customers in New Jersey. The Armagh and Entriken Compressor Station Horsepower Replacement Projects are designed to improve reliability on the Texas Eastern system by replacing a gas-driven compressor unit with an electric-motor driven compressor unit at each of two compressor stations.

Texas Gas Transmission has received a favorable Final Environmental Impact Statement (EIS) for the **Henderson County Expansion Project**. Texas Gas proposes to construct and operate a new lateral and meter and regulator (M&R) station, upgrade an existing M&R station, and modify and add compression to Texas Gas' existing Slaughters Compressor Station. The Henderson County Expansion



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PROPOSED PROJECTS & UPDATES

Project would provide up to 220 million standard cubic feet of natural gas per day to Southern Indiana Gas and Electric Company / CenterPoint Energy Indiana South (CenterPoint) at its existing AB Brown Generating Station in Posey County, Indiana. According to Texas Gas, its project would support CenterPoint's retirement of four existing coal-fired units and implementation of new intermittent renewable resources (i.e., solar and wind) by providing the reliability of intermittent natural gas service during natural fluctuations in wind and solar availability. The Henderson County Expansion Project would consist of the following facilities: Henderson County Lateral – construction of an approximately 24-mile-long, 20-inch-diameter natural gas transmission pipeline extending from a new tie-in facility in Henderson County, Kentucky to the new AB Brown M&R Station in Posey County, Indiana; AB Brown M&R Station and Point of Demarcation Site (Posey County, Indiana) – construction of a delivery M&R station, receiver facility, and a 0.08-mile-long, 16-inch-diameter interconnecting pipeline terminating at the new Point of Demarcation Site which would serve as CenterPoint's tie-in for project facilities for its AB Brown Plant; Slaughters Compressor Station (Webster County, Kentucky) – installation of a new 4,863-horsepower compressor unit with piping modifications and other appurtenant facilities, and abandonment or standby status of three existing units; and new ancillary facilities including a main line valve and tie-in facility in Henderson County, Kentucky and upgrades to an existing M&R station in Johnson County, Indiana. If approved, construction is slated for 2023.

Texas LNG Brownsville LLC, a controlled subsidiary of Glenfarne Group, LLC developing a four million tonnes per annum liquefied natural gas export terminal in the Port of Brownsville, South Texas, and Enbridge Inc., a leading North American energy infrastructure company, have executed a pipeline transportation precedent agreement for the expansion of the **Valley Crossing Pipeline** ("VCP") to deliver approximately 720 million cubic feet per day of natural gas to Texas LNG's export facility for a term of at least 20 years. VCP consists of a 160-mile 42- and 48-inch diameter pipeline originating at Agua Dulce, a major Texas gas hub, and extending to the Port of Brownsville. A 10-mile lateral will be built to extend the pipeline to Texas LNG's facility, along with the addition of compression facilities on the existing pipeline. VCP's pipeline header at Agua Dulce, a growing gas pricing and transportation hub in South Texas, interconnects with ten major gas pipeline systems providing access to abundant and competitively priced gas from the Permian and other major gas basins with a total receipt capacity of more than seven billion cubic feet per day. The compression facilities at Agua Dulce will use electric motors which can be powered by plentiful Texas renewable energy, thus reducing CO2 emissions. Glenfarne is a developer, owner, and operator of energy transition infrastructure, and through its controlled subsidiaries, is the managing member

and majority owner of Texas LNG. The agreement is subject to routine conditions precedent and other industry standard provisions. Texas LNG's other strengths include efficient modular construction design, transparent competitive pricing structure, and lower-carbon "green" LNG resulting from usage of more efficient electrical drive motors rather than gas-fired engines to drive the liquefaction compressors. The realistically sized four MTPA capacity of the facility fills an essential niche from LNG customers seeking smaller contracted volumes to diversify their gas supply portfolio. Texas LNG expects to achieve the final investment decision in 2022 and commercial operations in 2026.

Transcontinental Gas Pipe Line Company, LLC has received notice from the FERC that it will conduct an Environmental Assessment for the proposed **Virginia Reliability Project**. The project will enable Transco to provide 105,000 dekatherms per day (Dth/d) of incremental firm transportation capacity to Virginia Natural Gas (VNG) from Transco's Compressor Station 165, Zone 5 Pool in Pittsylvania County, Virginia (Station 165) to the existing Emporia delivery point in Greensville County, Virginia on the South Virginia Lateral (SVL), where VNG has contracted with Columbia Gas Transmission, LLC to construct the Virginia Reliability Project (VRP) to provide transportation from Emporia to VNG's markets. The project facilities currently under review include the following addition of (1) 30,500 horsepower (HP) Electric Motor-Drive Compressor at existing Compressor Station 168 located at approximately South Virginia Lateral (SVL) mile-post (MP) 53.4 in Mecklenburg County, Virginia. Compressor Station 168 will be built under a separate independent project currently under review. New unit to be installed with gas cooling and a vent gas reduction system; 6.35-mile-long 24-inch-diameter Commonwealth Loop extending SVL-B along the SVL-A right-of-way (ROW) from MP 91.03 to MP 97.38 with a maximum allowable operating pressure of 1440 pounds per square inch in Brunswick and Greensville Counties, Virginia and expansion of the existing Emporia Metering and Regulator Station in Greensville County, Virginia by 105 MDth/d. The fully subscribed project is an expansion of Transco's existing interstate natural gas pipeline system that will allow Transco to provide incremental firm transportation capacity to meet the growing demand for natural gas in Virginia. The project is targeted to be placed in service by November 1, 2025.

The staff of the FERC has prepared a Final Environmental Impact Statement for the **Commonwealth LNG Project**, proposed by Commonwealth LNG, LLC. Commonwealth requests authorization to site, construct, and operate a natural gas liquefaction and export terminal and an integrated Natural Gas Act Section 3 natural gas pipeline, in Cameron Parish, Louisiana. The project would consist of the following components: an 8.4-million-metric-ton per annum liquefaction terminal and its associated facilities, including six gas pre-treatment trains and two flare systems (consisting of four


PROPOSED PROJECTS & UPDATES

total flares); six 50,000 cubic meter liquid natural gas (LNG) storage tanks; one marine facility consisting of a single LNG carrier berth, barge dock, and vessel maneuvering area; and 3.0 miles of 42-inch-diameter pipeline and its associated facilities, including two interconnection facilities at existing natural gas pipelines, and one metering station. The pipeline would provide approximately 1.44 billion cubic feet per day of natural gas to the LNG terminal. Construction is slated for 2023.

Transcontinental Gas Pipe Line Company, LLC has issued a Draft Environmental Impact Statement for Transco's proposed **Southside Reliability Enhancement Project**. The project is an expansion of Transco's existing interstate natural gas pipeline system that will enable Transco to provide incremental firm transportation capacity to meet the growing demand for natural gas in North Carolina and South Carolina. The project is targeted to be placed in service by December 1, 2024. The project facilities currently under review include the following: the addition of a 16,000 horsepower electric motor-driven compressor unit at Transco's existing Compressor Station 166 in Pittsylvania County, Virginia; a new, 30,500 horsepower compressor station (Compressor Station 168) in Mecklenburg County, Virginia near Milepost 53.4 of Transco's

South Virginia Lateral, consisting of one electric motor-driven compressor unit; installation of piping modifications at Transco's existing Compressor Station 155 in Davidson County, North Carolina to allow for flow reversal; and modification to three existing metering and regulating stations (Ahoskie, Iredell, and Pleasant Hill) located in Hertford, Iredell, and Northampton Counties, North Carolina. Construction start is slated for June 2023.


Transco has filed an application with the FERC for authorization to construct, operate, and maintain its **Commonwealth Energy Connector Project (CEC Project)** located in various counties in Virginia. The CEC Project is designed to provide an additional 105,000 Dekatherms per day (Dth/d) of firm transportation service for Virginia Natural Gas, Inc. (VNG), from Transco's existing Station 165 Zone 5 Pooling Point in Pittsylvania County, Virginia to the existing interconnection between Transco and Columbia Gas Transmission, LLC (Columbia) in Greensville County, Virginia. Transco proposes to: install an additional 33,000 horsepower (HP) at existing Compressor Station (CS) 168 in Mecklenburg County, Virginia; install a 6.35-mile-long, 24-inch-diameter extension of South Virginia Lateral B-Line in Brunswick and Greensville Counties, Virginia; and modify the existing Emporia M&R Station at




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PROPOSED PROJECTS & UPDATES

Emporia I/C. Transco estimates the cost of the CEC Project to be \$117,709,858. Additionally, Columbia proposes to: replace 49 miles of 12-inch-diameter pipeline with 24-inch-diameter pipeline in Virginia; add a 5,500 HP hybrid compressor unit at the existing Emporia CS in Greensville County, Virginia; modify the existing compressor units and increase power by 2,700 HP at the Petersburg CS in Prince George County, Virginia; and modify other appurtenant facilities. Columbia will receive 105,000 Dth/d from Transco as proposed in Docket No. CP22-502-000 for re-delivery to VNG for VNG's markets. Columbia estimates the cost of the VR Project to be \$917,925,527.

The staff of the FERC will prepare an Environmental Impact Statement that will discuss the environmental impacts of the **Texas to Louisiana Energy Pathway Project** involving construction and operation of facilities by **Transco** in Fort Bend and Hardin Counties, Texas. Transco proposes to construct and operate one new compressor station and modify one existing compressor station. The project would increase the firm capacity of the system from 171,400 dekatherms per day (Dth/day) to 364,400 Dth/day. According to Transco, its Project would provide year-round firm transportation capacity on Transco's mainline from the Valley Crossing Interconnection to the Station 65 Pooling Point. The project would consist of the following facilities: construction of a new 15,900-horsepower compressor station in Fort Bend County, Texas, consisting of a natural gas-fired turbine-driven compression unit with cooling (Compressor Station 33); modification of six existing compressors at Compressor Station 40 in Hardin County, Texas, to accommodate new flow conditions resulting from the project; and programming updates (not involving the installation of any facilities or any ground disturbance) at existing Compressor Station 23 in Victoria County, Texas, to allow for enhanced system operation in the northbound direction.

The staff of the FERC will prepare an Environmental Impact Statement (EIS) that will discuss the environmental impacts of the **Southeast Energy Connector Project** involving construction and operation of natural gas facilities by Transcontinental Gas Pipe Line Company, LLC (Transco). Transco plans to modify an existing compressor station and construct 1.8 miles of pipeline in Coosa and Chilton Counties, Alabama to provide 150,000 dekatherms per day of natural gas transportation service to an existing electric power generator in Shelby County, Alabama. The Commission will use this EIS in its decision making process to determine whether the project is in the public convenience and necessity.

Tres Palacios Storage LLC - The staff of the FERC will prepare an environmental document that will discuss the environmental impacts of the **Tres Palacios Cavern 4 Expansion Project** involving construction and operation of facilities by Tres Palacios Gas Storage LLC (Tres Palacios) in Matagorda County, Texas. The Commission will use this environmental document in its decision-making process to determine whether

the project is in the public convenience and necessity. The expansion project would consist of the following facilities and activities: conversion of an existing third-party brine production well (Trull 11) into a natural gas storage cavern (Cavern 4); development of the Trull 11 well pad site for Cavern 4 (Cavern 4 Well Pad); construction of a 0.6-mile-long, 16-inch-diameter pipeline (New Cavern 4 Pipeline) connecting Cavern 4 to the existing certificated facilities at the Storage Facility; abandonment in place of a 15,300 horsepower electric-motor driven centrifugal compressor unit; installation of a new 5,500 horsepower electric-motor driven reciprocating compressor unit; addition of a new 2.5 million British thermal units per hour dehydration unit; construction of various related facilities, including a new permanent access road for the Cavern 4 Well Pad; and non-jurisdictional facilities consisting of a new electric service line to the Cavern 4 Well Pad and a new fiber optic line from the Cavern 4 Well Pad to the Storage Facility.

TC Energy - The staff of the FERC has prepared a Draft Environmental Impact Statement for the **Virginia Electrification Project**. The project would consist of the following facilities all located in Virginia: installation of one zero emission electric motor compressor unit at the Boswell Tavern Compressor Station located in Louisa County; facility modifications to the Boswells Tavern POR located in Louisa County to increase capacity; replacement of all five existing gas-powered compressor units at the Goochland Compressor Station, located in Goochland County, with new units that will run exclusively on electric motors, but will have the ability to run on gas in order to ensure reliability; and status change of an existing compressor unit from backup mode to active mode and increase the site-rated station horsepower to 5,500 horsepower at the Petersburg Compressor Station located in Prince George County. Construction is slated to begin early the 1st quarter of 2023.

Venture Global Plaquemines LNG, LLC (Plaquemines LNG) and Venture Global Gator Express, LLC (Gator Express Pipeline) is proceeding to 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. Construction is underway on the LNG portion and the Gator Express Pipeline is pending construction.

Venture Global CP Express, LLC (CP Express) has an application before FERC for a liquefied natural gas (LNG) export terminal and pipeline facilities located in Louisiana and Texas. The projects are referred to as the **CP2 LNG and CP Express Project**. The project consists of construction CP2 LNG's proposed new LNG export terminal and associated facilities in Cameron Parish, Louisiana; (2) construct the 85.4 mile, 48-inch-diameter CP Express Pipeline in Louisiana and Texas; (3) construct the 6.0 mile, 24-inch-diameter Enable Gulf Run Lateral in Calcasieu Parish, Louisiana; (4) construct the 187,000 hp gas-fired Moss Lake Compressor Station in Calcasieu Parish, Louisiana; and (5) construct various meter stations.

WBI Energy is proposing to construct approximately 60.5 miles of new pipeline to serve the cities of Wahpeton and Kindred, North Dakota (**Wahpeton Expansion**). The project starts near Mapleton, North Dakota, and extends south to a new delivery station near Wahpeton, North Dakota to provide additional firm uninterruptible natural gas service. Construction will begin in early 2024 pending receipt of necessary regulatory approvals. The pipeline is expected to be in service by November 2024. FERC has issued a Draft Environmental Impact Statement for the project.

WhiteWater, EnLink Midstream, LLC, Devon Energy Corp., and MPLX LP have reached a final investment decision to move forward with the construction of the **Matterhorn Pipeline** after having secured sufficient firm transportation agreements with shippers. The Matterhorn Express Pipeline has been designed to transport up to 2.5 billion cubic feet per day (Bcf/d) of natural gas through approximately 490 miles of 42-inch pipeline from Waha, Texas, to the Katy area near Houston, Texas. Supply for the Matterhorn Express Pipeline will be sourced from multiple upstream connections in the Permian Basin, including direct connections to processing facilities in the Midland Basin through an approximately 75-mile lateral, as well as a direct connection to the 3.2 Bcf/d Agua Blanca Pipeline, a joint venture between WhiteWater and MPLX. The Matterhorn Express Pipeline is expected to be in service in the third quarter of 2024, pending the receipt of customary regulatory and other approvals.

WhiteWater is proposing the expansion of the Whistler Pipeline's mainline capacity through the planned installation of three new compressor stations. The new compressor stations will increase the pipeline's mainline capacity from 2.0 billion cubic feet per day (Bcf/d) to approximately 2.5 Bcf/d. The expansion is scheduled to be in service in September of 2023 and the expansion capacity will be offered at terms equivalent to initial shippers, including fuel retention. The Whistler Pipeline is owned by a consortium including MPLX LP, WhiteWater, and a joint venture between

Stonepeak and West Texas Gas, Inc. The Whistler pipeline is an approximately 450-mile, 42-inch intrastate pipeline that transports natural gas from the Waha Header in the Permian Basin to Agua Dulce, Texas, providing direct access to South Texas and export markets. An approximately 85-mile 36-inch lateral provides connectivity to the Midland Basin.

Williams is proposing the **Regional Energy Access Project** and has approved a favorable Final Environmental Impact Statement from the FERC. The project will include approximately 22.2 miles of 30-inch pipeline in Luzerne County, PA; 13.8 miles of 42-inch looping in Monroe County, PA (Effort Loop); greenfield gas-fired turbine driven or electric motor driven compressor at Compressor Station 201 with approximately 11,500 horsepower (HP) in Gloucester County, NJ; addition of gas-fired turbine driven or electric motor-driven compressor at existing Compressor Station 505 with approximately 16,000 HP in Somerset County, NJ; addition of one gas-fired turbine driven compressor with approximately 31,871 HP and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the project; abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating driven compressors with one gas-fired turbine driven compressor with approximately 20,502 HP at existing Compressor Station 515 in Luzerne County, PA; modifications at existing Compressor Station 195 in York County, PA; modifications at existing Compressor Station 200 in Chester County, PA; Modifications to three existing receipt meter stations in PA (Carverton Interconnect & Tie In, Chapin Facility Meter & Regulating [M&R] Station, Williams Field Services Puddlefield M&R Station); modifications to two existing pipeline interconnects in PA (Hildebrandt Interconnect & M&R, Lower Demunds Interconnect); addition of regulation at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator); modifications at the Delaware River Regulator Facility in Northampton, PA; modifications to three delivery meter stations in NJ (Camden M&R Station, Lawnside Meter Station and Mt. Laurel Meter Station); modifications to delivery meter station in PA (Chester M&R Station); modifications to one existing meter station in MD (Beaver Dam M&R Station); increased flow (no modifications) to six delivery meter stations (Centerville, Low Mud Run, Post Road, New Village, Spruce Run and Repaupo M & R Stations); additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD. Subject to FERC's certification of the project and receipt of the necessary permits and authorizations, Transco anticipates construction of the project would commence in fourth quarter 2022 to meet a proposed in-service date of December 1, 2023.

HEARD ON THE LINE



Scott Thompson reported a great day supporting the Pipe Liners Club of Tulsa big bass fishing tournament. *"If you are not a part of this club you're missing out. Great people and we always have a blast at everything we do. Thanks to the volunteers and sponsors that make great events happen - Cleveland Integrity Services, Inc. MMR Group, Darby Equipment Company, Tulsa Rig Iron, Pipeline Equipment Solutions"*



Bronc and Judy McMullen recently had a good visit with some of their Texas pipeline. Timmy and Wyatt Wimberley stopped by to see Judy and Bronc on their way home from a Bass Tournament at Wheeler Lake in Alabama. Wyatt is competing in lots of different locations now thanks to his wonderful sponsors. Bronc said, *"Sure was a pleasure to have them and have coffee with them on such a cold November day. Wyatt didn't want to leave his boat with me, so I let 'em take it on home."*



"Eagle's business units, Cleveland Integrity Services, Inc. and Encompass Energy Services, LLC were very proud to be a "Joey Level" sponsor for the Summit Midstream Sky High for Kids, Aim for the Cure Clay Shoot. Sky High for Kids is a 501(c)(3) nonprofit organization founded by Louisiana native, Brittany Hebert Franklin. Comprised of a devoted staff, board members, and an army of volunteers, we work tirelessly to support children undergoing treatment for cancer and other life-threatening conditions. Our efforts benefit leading hospitals and research centers by closing the gap in childhood cancer rates globally. The Sky High team is saving kids through advanced medical studies and healing families who are battling cancer now through our comfort programs."



Colby and Torie McManus announced the birth of the precious new grandson. Gunner Gene was born November 4, 2022, weighing 6.3 lbs. and was 20-inches long! Congratulations!

PIPELINE PETE
SAYS

"What I know for sure is that speaking your truth is the most powerful tool we all have."



J D Dickens son and his beautiful wife are expecting quadruplets in 2023. Congratulations to the Dickens family.

The Byers family enjoying Disneyland with sweet little Princess Scarlett.



Wishing our
pipeline family a very
Merry Christmas!
and a Happy New Year!

PIPELINE PHOTOS





OBITUARIES



Danny Allen "Jake" Bales, 69, of Gandeenville, went to be with the Lord on October 26, 2022, after an unexpected illness. He was born October 7, 1953, at Welch, a son of the late Sylvan Ellis "S.E." and Leecie Mae Hutchinson Kennedy Bales. In addition to his parents, he was preceded in death by his wife, Mary Katherine "Bubbles" Evans Bales; a grandson, Grayson Lee Bales; a nephew, Matthew Bales. Survivors include his son, Elliott L. and Kayla Bales of Walton; grandchildren, Lucas and Leah Bales; brothers, Kenneth "Bud" Bales of Spencer and Kevin and Johnni Bales of Conway, North Carolina; a sister, Carolyn Gandee of Volga, West Virginia; many nieces and nephews; a host of friends. He was a retired member of IUOE Local 132 where he spent many years being a valued hoe hand on many pipelines. He loved taking trips on his bike, watching and feeding his deer and birds, and spending time with his grandson, Lucas. He loved farming and you could always count on him to tell you a story of past jobs where he met several long-time friends. He was hard-working and dedicated to everything he put his mind to. He enjoyed talking and looking at cars and equipment with his son. If you ever needed a hand, you could count on Danny to be there to help.



Oscar Benton Crain passed away on October 26, 2022 at the age of 81. He was born in Albany, LA to the late John and Annie Crain. Oscar proudly served as Drill Sergeant in the United States Army from 1961-1967 and was a retired pipeliner from Local #406 Operating Engineers. He loved sitting on his porch overlooking his pond, fishing, hunting, watching western movies and The History Channel, being a great grandpa to Brooklyn and Vera Jo, and reading his Bible. He was fondly referred to as Pops, Pawpaw Oscar, Cowboy and Friend. Oscar is survived by his wife, Ruby "Pete" Crain; his sons, Osman (Shae) Crain and Dennis (Katie) Crain; his daughters, Tracie (Shawn) Schillace and Stacie Crain. Grandchildren: Mindi Crain, Chloe (Kyle) Crain Sheridan, Jordan (Kristen McLaughlin) Schillace, Trey (Macie Braun) Schillace, Magan Hamby, Catherine Mason (Gary), Randy Miller (Shannon), and Eric Miller (Melissa). Great-Grandchildren: Brooklyn Schillace, Vera Jo Sheridan, Alex, Baylor, Seth, Ali, Ryleigh, Isabella, and Julianna. Step-Daughters: Tara (James) Morgan, Linda (Keith) Scharwath, Sr. and Cindy (Luke) Crayton. Step-Grandchildren: Brett Morgan, Denise (Rick) Laborde, Kaci (Anthony) Puglia, Keith Michael (Ashley) Scharwath, Kevin (Macy) Scharwath, and Tisha White. Step-Great-Grandchildren: Hunter and Haleigh Puglia, Leia, Grant and Kevin Scharwath, Jr., Seth (Gabrielle) Banks, Olivia and Abby White. Brothers and Sisters: Henry (Glenda) Crain, Charlie Crain, Mary Jane (Dub) Harper. Also many

nephews, nieces, cousins, and friends. Additionally, Oscar was deeply loved by Viviana "Shell" Sanchez and her sons, Roberto and Pilo Garcia.



A graveside service was held for **Robert A. Frahm** on November 5, 2022, at the Manning Cemetery in Manning. Robert A. Frahm, son of Ivan and Norma (Jons) Frahm, was born September 12, 1948, on a farm near Manning, Iowa. The youngest of five children, he grew up in Manning and graduated from Manning High School with the class of 1966. Robert was drafted into the U.S. Army and served in Vietnam. Upon receiving his honorable discharge, he settled in the Des Moines area. Robert worked as a foreman and inspector for pipeline companies, and regularly traveled out of state for work. He loved horses, eagles, and all animals, the outdoors, gardening, photography, throwing darts, working on vehicles, and smoking meats which he would share with his family. He and Tom enjoyed watching Iowa Hawkeye football and basketball and Chicago Cubs baseball. Robert was a proud father and was excited to be a grandpa and enjoyed rocking his grandson Jack. During retirement, Robert's regular morning routine was to visit the Saylorville Lake spillway near Johnston where he would fish, walk and enjoy nature. On Friday, October 28, 2022, Robert passed away peacefully during his morning routine at Saylorville Lake. He was 74 years, 1 month and 16 days of age. Robert is survived by a son Tom Frahm and wife Becky of Waukee; a grandson Jack Frahm of Waukee; a brother Ken Frahm and wife Rosemary of Templeton; a sister Eileen Monson and husband Gary of Audubon; and by nieces, nephews and other loved ones. He was preceded in death by his parents and two brothers Dennis and Merlin Frahm.



William Joseph Dean, age 41, originally of Big Spring, passed away October 30th, 2022, in San Antonio, following a valiant fight against a rare form of cancer. He was surrounded by family and friends and showered in love at the time of his passing. Bill, or 'Billy Joe' as many knew him, was born on April 22, 1981, grew up in Big Spring, and graduated from Forsan High School in 1999. He was an outgoing and active student, a friend to all, and participated in Varsity Football, Powerlifting, Varsity Track, the Technology Students Association. A natural with horses he was also a member of The Howard County Youth Horseman's Club. Ambitious and with a genuine passion for learning, Bill continued his studies at both Howard College and Hardin-Simmons University, where he pursued general studies, Business Administration, and Computer Aided Design. Bill's professional pursuits were no less impressive, with nearly 20-years of increasing responsibility

in the pipeline industry. Over the course of his career, Bill quickly rose to positions within pipeline control facilities and operated vital energy transport lines throughout the United States. At the time of his passing, Bill was a Senior Scheduler for the largest petroleum refiner in America. More than anything, Bill loved his family. Survived by his mother, Janis Dean, their close bond was admired and appreciated by all. Through that bond, Bill learned to be compassionate, courageous, hard-working, honest, ethical, loyal, and to place the needs of others before his own. Bill continued that bond with his own daughter, Haley, and looked forward to instilling these virtues in his grandson, Eli, born in April of this year. Bill is also survived by his sister, Ashley Dean, niece Jazlynn Davis, nephew John Davis, aunts Irene Buchanan and Becky Chilton, and his 'ride-or-die,' best friend Amber Buchanan. Bill illuminated every room he entered and every life he touched. His friends were treated as family. His passion for life kept him constantly on the move, seeking adventures and experiences that brought him and others joy. Bill found that joy in his family, friends, in music of all genres, on the dance floor, floating down a river, standing atop Pikes Peak, or simply seated on a bench in Luckenbach. As if Bill knew the chapters of his life would be limited in number, he made sure to fill all the pages. His absence leaves the world a little less bright.



Paul William Ginn, age 91 of Madison, Indiana, entered this life on April 16, 1931 in Trimble County, Kentucky to parents William Alford and Edith Matilda Jones Ginn. He grew up in Trimble County, Kentucky. He was united in marriage to Mable Marie Patterson on August 12, 1950 in Madison, Indiana. This happy union of 63 years was blessed with a daughter, Wilma. They settled on Ryker's Ridge near Madison, Indiana and made their home there. He learned pipeline welding by watching others and started his long career of 40 years as a pipeline welder working all over the United States and a project in Panama. He was a member of the Pipeliners Union Local 798 for 69 years out of Tulsa, Oklahoma. After his long welding career, he became a pipeline welding inspector until his retirement. He was an associate member of the Ryker's Ridge Fire Department. He loved fishing, especially at Hardy Lake and Ohio River, and when not catching fish, hunting mushrooms. He especially enjoyed spending time with his family. Paul died on Friday, November 4, 2022 at 5:50 p.m. at the University of Louisville Hospital in Louisville, Kentucky. Paul will be missed by his loving daughter, Wilma Vogel and her husband Terry of Madison, Indiana; his grandchildren, David Vogel (Amy) and Jill Cross (Jeff); his great grandchildren, Natalie, Sophia, Charlie and Ella; his friend and care-giver, Fran Thomas of Madison, Indiana; his sister-in-law, Margie Ginn of Madison, Indiana; several nieces, nephews and other relatives. He was preceded in

death by his wife of 63 years, Mable Marie Patterson Ginn, his mother and father, his brothers, Glen Ginn, Maurice Ginn, Frankie Ginn, Jim Ginn and his sister, Alice Louise Welty.



Raymond Otis Scarborough, age 89, of Judsonia passed from this life to his heavenly home on Tuesday, April 12, 2022, at his home. Raymond was born on November 22, 1932, in Robeline, LA to his parents Zannie and Gladys Noel Scarborough. He worked as a welder for over 50 years in the local Union 798 Pipeline in Tulsa, OK. Raymond was a very friendly and giving man that loved to use his gardening as a ministry for everyone who was in need, he loved the Lord and was devoted to him. He was very family-oriented and enjoyed hunting and fishing. Raymond is preceded in death by his parents; one Son, Greg Scarborough; one granddaughter, Holly Scarborough; and two brothers, Robert Scarborough, and Zannie Scarborough Jr. He is survived by the love of his life of 65 years, Aline Scarborough; four sons, Allen Scarborough, (Becky), of Lake Village, AR, Gary Scarborough (Cheryl), of Judsonia, AR, Jeff Scarborough of Conway, AR, and Ronnie Scarborough (Mitzi) of Lake Village, AR; one Sister Zanette Cato, of Alexander, AR; six grandchildren; eleven great-grandchildren; and a host of nieces and nephews.



Charles Allen Rodenberg, age 86, of Carrollton, Missouri, passed away on September 27, 2022, at Carroll County Memorial Hospital with his family by his side. Charles was born on May 19, 1936, in Norborne, Missouri, the fourth of eight children born to Charley Christian and Ruth (Crockett) Rodenberg. Charles graduated from Norborne High School in 1954 and was inducted into the United States Army on September 8, 1954. He went through Army Corps of Engineers heavy equipment/engineering school and served his country in Korea. He was honorably discharged on June 29, 1956. Charles was raised on the family farm and began driving a tractor at age 12, paying attention to his dad each and every day and learning the value of faith in God, hard work, morals, trust, honesty, and keeping his word. This is truly why he was so successful in not only his work but his life. He traveled with his beloved wife Anita and later their children across the US working as a heavy equipment operator and supervisor for various oil and gas pipeline contractors. He was an excellent equipment operator and could run or drive about anything. When the Minuteman Missile cable was installed in MO, the work was split up into 3 "spreads." They needed 20 cable "hoe" operators for each spread. Charlie was the 1st operator hired on the 1st

spread, and at the culmination of the hiring it emerged that he also happened to be the youngest out of all 60. In 1969 as Asst. Supt, he essentially ran a difficult job of 40 miles of 30 inch in "running sand" country South of Detroit for RL Coolsaet when the Supt (also Company General Supt) was rarely seen on the job due to other obligations. After the traveling pipeline phase, the family returned to Carroll County when the children were old enough to go to school. He became equal partners with two others in their pipeline business known as H.D. Griffin Const Co. In the early years of this endeavor, he was repeatedly offered very lucrative supervisory positions to work on construction of the Alaskan Pipeline. However, he and his business partners all had young children, so he turned down this huge opportunity in order to stay in Carroll County, raise his family, and have a successful business that employed many people. He enjoyed mentoring many of these employees, including many that have continued on in the pipeline industry to this day. He was known throughout the pipeline industry as a mentor, teacher, confidante, and friend; and was held in high regard as an all-around pipeliner by his peers. Charles was a Benefactor Life Member of the National Rifle Association and supported conservative politics, our military, law enforcement, and donated to issues he held near and dear to his heart. He never looked for notoriety in doing so. Charles was a very patriotic man who loved his country and his community. He was seen volunteering at H.E.L.P. Services for years, and at various times belonged to the following: Pipe Line Contractors Association (PLCA), Wakanda Lodge #52 AF&AM, National Rifle Association, V.F.W. Post #1773, and was an Honorary Life Member of the International Union of Operator Engineers Local 101 in Kansas City. Charles had his private pilot's license in the past and had enjoyed traveling across the States and the world for both work and leisure, gaining a multitude of friends from various locales along the way. Unknown to many, he was quite the marksman who enjoyed many types of hunting, including successful elk hunts in Colorado. He was a member of the Missouri Big Bucks Club. He built and erected a deer stand that would be in the running for the nicest in the county. He liked operating heavy equipment, fabricating/repairing things, cutting firewood, working with his tractor, playing golf, watching the Royals, was an avid KC Chiefs fan from their formation, and especially enjoyed spending time with his grandchildren, watching their sporting events and shooting with them, as well as going out to eat together. Charles was a devout Christian who served as an usher for many years at the First Baptist Church in Carrollton where he had been a longtime member. He was a wonderful husband, dad, provider, protector, and grandpa who wholeheartedly supported his children and grandchildren in whatever activities they were engaged in. He loved seeing the "little guy" or the "underdog" do well and helped his "hands" and others further their careers and better themselves and their situation in any way he

could. Charles had as his priorities "God, Family, Country." He went out of his way to help others without fanfare and will truly be missed by anyone who knew him. Charles is survived by his wife Anita, of the home; his children, Charles Allen Rodenberg, Jr. (Chuck) and wife Jennifer of Carrollton, Missouri, and Annette Gonier of Kansas City, Missouri; his siblings, Charlene (Deanie) Cashatt of Mesa, Arizona, Lois Woods (John), Robert Rodenberg (Bonnie Lou), Bonnie Sue Noelker (Mark) all of Norborne, Missouri, and Julia Watterson of Independence, Missouri; two beloved grandchildren, Cole Gonier and Allison Gonier. He was preceded in death by his parents, Charley and Ruth (Crockett); his sister Wilma Hampton and husband R.A.; and his brother, Donald Rodenberg and wife Linda.



Jerry Wayne West, husband, daddy, and friend now has all his fun memories back and his infectious laughter is rumbling the streets of gold. Jerry Wayne has lived his whole life as a fighter, and his last few years he fought hard against Alzheimer's disease. Even in the battle, Jerry Wayne kept his sense of humor and desire to cut

up and cause trouble. Anyone who knew him can recall a moment in time where there were laughs so hard you were brought to tears. While his passing seems too soon, we know God's timing is perfect. Jerry Wayne would hope that somehow, he touched your life in a way that made you laugh or pushed you to be a better version of yourself. Jerry Wayne and his laughter will be dearly missed on this earth. Visitation and services were held in Oak Grove, Louisiana.



Kristopher Sanders of Newnan passed away November 13, 2022. He was born in Garland, Texas, to David and Katrina Sanders. Kris attended Southeast Bulloch High School in Brooklet (Bulloch County), Ga., where he graduated in 1998. After graduating, he attended DeVry University and began working at Smith Pipeline,

Inc., where he worked his way up to a superintendent. He was a caring and loving father, husband, son and friend. His soul was as beautiful as his smile, and he would always help anyone he could. Kris was preceded in death by his father, David Ray Sanders; and brother, Kevin Sanders. He is survived by his wife, Amanda Sanders of Newnan, Ga.; mother, Kay Knight Sanders of Brooklet, Ga.; children, Brittany Sanders, Miranda Martin and her husband, Dakota; Michael Queen, Marlei Queen; brother, Chad Sanders; and many cousins and extended family members in Alabama and Georgia.



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