

GAS

The Americas | U.S.

ADELPHIA GATEWAY – (REV 1/23)

Project: Adelphia Gateway Conversion
Type: Oil to gas pipeline
Length: 50 miles of an existing 84-mile pipeline
Dimensions: 18-inch poly coated seamless steel
Capacity: 250 MMcf/d
Location: Southeast Pennsylvania
Start: 2023
Comments: The pipeline crosses through portions of Delaware, Chester, Montgomery, Bucks and Northampton counties in Pennsylvania.

ALASKA GASLINE DEVELOPMENT CORP. – (REV 2/20)

Project: Alaska Standalone Pipeline
Type: Project includes construction of a transmission pipeline and lateral
Length: 800 miles
Diameter: 42 inches
Location: Prudhoe Bay, AK – Nikiski, AK
Capacity: 3.3 Bcf/d
Start: 2021
Completion: 2023
Status: After reviewing a draft version of the project's application, Alaska suggests that the project could expose nearly half of the population of resident endangered beluga whales to dangerous levels of noise
Comments: The pipeline is part of the proposed Alaska Nikiski LNG project

ALLIANCE PIPELINE LTD. – (REV 5/18)

Project: Alliance Pipeline Expansion
Type: Project includes the addition of compression and other facilities to an existing pipeline system
Location: Chicago, IL
Capacity: 400 MMcf/d
Comments: Pending regulatory approval, Alliance will increase capacity by approximately 25% through the addition of compression and other facilities to its system

CHENIERE ENERGY INC. – (REV 11/20)

Contractor: Strike LLC
Type: Contract includes pipeline construction
Contractor: M.G. Dyess Inc.
Type: Contract includes pipeline construction
Contractor: EVRAZ
Type: Contract includes pipeline supply
Project: Velma Lateral
Type: Project includes pipeline construction
Length: 13 miles
Diameter: 16 inches

Location: Kingfisher County, OK - Okarche, OK
Start: Awaits approvals
Comments: Project will begin at the Chisholm Processing Plant and end on the mainline of the Midship Project

CONOCO PHILLIPS/FRONTIER MIDSTREAM (REV 11/22)

Project: Beta Crude Connector
Capacity: 150,000 bpd
Location: Northern Midland Basin
Dimensions: 100-mile
Completion: Frontier will serve as operator of this gathering system, which will also consist of 250,000 barrels of storage facilities and truck terminals.

DELMARVA PIPELINE CO. – (REV 01/22)

Owner: H4 Capital Partners LLC
Project: Delmarva Pipeline
Type: Project includes pipeline construction
Length: 190 miles
Diameter: 8 and 24 inches
Location: Rising Sun, MD - Accomack, VA
Cost: \$1.3 billion
Status: Project is completed.
Comments: Project will be capable of transporting natural gas to serve commercial and industrial energy consumers, natural gas-fired power generators and local distribution companies

DRIFTWOOD PIPELINE – (REV 07/21)

Project: Line 200 and Line 300
Type: Natural gas pipeline
Length: 37-mile dual pipe (59 km)
Capacity: Line 1: 2.4 Bcf/d; Line 2: 4.6 Bcf/d
Location: Ragley to Carlyss in southwest Louisiana.
Completion: 2023
Comments: 42-inch pipeline is designed to connect the supply located 21 miles north of Lake Charles to the demand located within and south of Lake Charles. Driftwood wants to use Baker Hughes-supplied electric-driven compression, thereby reducing the pipeline's carbon dioxide emissions by more than 99%.

DUKE ENERGY OHIO – (REV 1/23)

Project: Central Corridor Pipeline Extension
Type: Project includes expansion of existing pipeline
Length: 12 miles
Diameter: 20 inches
Location: Raleigh, NC
Completion: 2023

Comments: Project has moved forward with its application before the Ohio Power Siting Board

Type: Project includes construction of pipeline
Length: 13 miles
Diameter: 20 inches
Location: Cincinnati, OH
Status: Project is undergoing public hearings. If built, pipeline will increase the reliability of natural gas delivery in central Cincinnati

ENABLE MIDSTREAM PARTNERS – (REV 3/19)

Project: Gulf Run Pipeline
Location: Louisiana
Length: 171 miles
Capacity: 1.1 Bcf/d
Completion: 2023

ENBRIDGE, TEXAS LNG BROWNSVILLE (REV 3/22)

Project: Valley Crossing Pipeline (VCP) Expansion
Type: Gas pipeline expansion
Length: 10-mile expansion
Dimensions: 42- and 48-inch-inch pipeline
Capacity: 720 MMcf/d with expansion
Location: near Port of Brownsville
In-Service: (FID – 2022) 2026
Comments: 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.

ENBRIDGE – (REV 5/22)

Operator: Rio Bravo Pipeline LLC
Project: Rio Bravo Pipeline
Type: Project includes construction of two parallel pipelines and three compressor stations
Length: 137 miles
Diameter: 42 inches
Location: Brownsville, TX - Kingsville, TX
Capacity: 4.5 Bcf/d
Status: Project is awaiting an Environmental Assessment
Completion: 2023
Status: Bechtel, Fluor and McDermott are being considered for the Rio Grande LNG EPC contract
Comments: Pipeline is part of the Rio Grande LNG Project

Projects added and updated for the current month are highlighted

FAIRBANKS PIPELINE CO. – (REV 4/19)

Project: Arctic Fox Pipeline
Type: Project includes construction of pipeline and a secondary transmission network
Length: 514 miles
Diameter: 4 and 12 inches
Location: Prudhoe Bay - North Pole, AK
Capacity: 52.1 MMcf/d
Cost: \$1 billion
Status: Project is delayed

LOWER VALLEY ENERGY (REV 09/22)

Project: Crow Creek Pipeline
Type: Natural gas pipeline
Length: 50-mile (80-km)
Pipe dimensions: 48-inch pipeline
Location: Starts near Montpelier, Idaho, and run to Afton, Wyoming.
Completion: 2023
Comments: The project is awaiting completion of a Forest Service supplemental environmental impact service, following a court challenge.

MAGNUM ENERGY MIDSTREAM HOLDINGS LLC – (REV 7/21)

Project: Western Energy Storage and Transportation Header Project
Type: Project includes construction of a pipeline header system
Length: 650 miles
Location: Salt Lake City, UT - Yuma, AZ
Capacity: 40 Bcf
Completion: Delayed
Comments: System will be designed to move natural gas bi-directionally between multiple receipt points and multiple delivery points, including storage, throughout multiple states in the Western Energy Corridor

MOUNTAIN VALLEY PIPELINE LLC – (REV 12/21)

Project: MVP Southgate Project
Type: Project includes pipeline construction
Length: 72 miles
Location: Pittsylvania County, VA - Alamance County, NC
Completion: Spring 2023
Status: Project has formally applied to the Federal Energy Regulatory Commission (FERC) for authorization to proceed with construction
Comments: Project will receive gas from the Mountain Valley Pipeline mainline and provide low-cost supply access to natural gas produced in the Marcellus and Utica shale regions

MPLX LP, WHITEWATER (REV 3/22)

Project: Whistler Lateral Extension
Type: Gas pipeline expansion
Length: 35-mile expansion
Dimensions: 36-inch pipeline
Capacity: n/a
Location: From the Midland, Texas, basin, northwest into Marshall County, Texas
In-service: 4Q 2022
Comments: The Whistler pipeline is a 450-mile, 42-inch intrastate pipeline that transports natural gas from the Waha Header in the Permian Basin to Agua Dulce.

NATIONAL FUEL GAS SUPPLY CORP. – (REV 6/18)

Project: Northern Access 2016 Project
Type: Project includes construction of pipeline, installation of additional compression, and a new compressor station and gas dehydration facility
Length: 97 miles
Diameter: 24 inches
Location: McKean County, PA - Erie County, NY
Capacity: 300,000 Dth/d
Start: 2022-23
Status: New York DEC denied the project's permit, so the project is on hold

NATURAL GAS PIPELINE CO. OF AMERICA LLC – (REV 3/21)

Owner: Kinder Morgan Inc.
Project: Lockridge Extension Pipeline
Type: Project includes the construction of a pipeline lateral, new metering facilities and regulation facilities
Length: 16 miles
Diameter: 30 inches
Location: Ward County, TX - Pecos County, TX
Capacity: 500 MDth/d
Status: Project has undergone an open season
Completion: In Service
Comments: Project is an extension of the existing Amarillo Pipeline System

NAVIGATOR CO2 VENTURES (REV 5/22)

Project: Heartland Greenway
Type: Carbon capture pipeline system
Dimensions: 1,300 miles pipeline
Capacity: Transport and sequestering of up to 15 mtpa once fully expanded.
Location: Across five Midwest states to nearly 20 receipt points.
Completion: Commissioning planned for late-2024 and early-2025
Comments: Commitments during open season and board approvals have prompted Navigator to seek construction approvals. In parallel, multiple permanent sequestration locations are being actively developed in south-central Illinois.

NEW JERSEY NATURAL GAS – (REV 9/20)

Project: Southern Reliability Link
Type: Project includes construction of a pipeline and compressor station
Length: 30 miles
Diameter: 30 inches
Location: Ocean, Burlington and Monmouth counties, New Jersey
Cost: \$130 million
Status: Permits suspended

NEW JERSEY RESOURCES CORP. – (REV 11/20)

Operator: Adelphia Gateway LLC
Project: Adelphia Gateway Pipeline
Type: Project includes pipeline conversion from oil to natural gas
Length: 84 miles
Diameter: 18 inches
Location: Bucks, Northampton and Delaware counties, PA
Capacity: 250,000 Dth/d
Status: Received favorable notice to proceed from FERC
Comments: Project will provide a direct and flexible path for delivering locally produced natural gas to growing and underserved markets in southeastern Pennsylvania and beyond

NORTHERN NATURAL GAS (REV 10/22)

Project: A-Line Replacement
Type: Natural gas pipeline
Length: 87 miles (140 km)
Location: South Sioux City, Nebraska, to Sioux Falls, South Dakota
Construction: 2Q 2021
In Service: 1Q 2023
Comments: Northern Natural expects to receive the last required federal permits soon and then file for authorization to proceed with construction from FERC.

NORTHWEST PIPELINE – (REV 11/20)

Project: Pacific Connector Project
Type: Project includes construction of pipeline
Length: 229 miles
Diameter: 16 inches
Location: Malin, OR – Coos Bay, OR
Capacity: 1.2 Bcf/d
Status: 50 miles of easement obtained.
Completion: 2024
Comments: Oregon Department of State Lands has received final comments.

OUTRIGGER ENERGY II LLC – (REV 1/22)

Project: Tri-stream Midstream System
Type: Project includes wellhead natural gas gathering, a 60 MMcf/d cryogenic processing plant, field compressor stations, crude oil gathering and produced water gathering

Projects added and updated for the current month are highlighted

Location: Weld County, CO
Comments: System will deliver residue gas to the Cheyenne Plains Pipeline and NGLs will be delivered to the Overland Pass Pipeline

Completion: 2022

PUBLIC SERVICE ELECTRIC AND GAS CO. – (REV 1/23)

Project: Gas System Modernization Program Phase II

Type: Project includes replacement of aging cast-iron and unprotected steel gas pipes

Length: 1,250 miles

Location: New Jersey

Status: Project is preparing to file with the New Jersey BPU

Completion: 2023

Comments: The upgrades will take place across PSE&G's service territory in 11 counties, concentrating on urban areas established in the early 1900s, where much of the utility's cast-iron and unprotected steel gas pipes are located

STEELHEAD NATURAL GAS PIPELINE (REV 5/22)

Operator: Steelhead LNG Corp.

Project: Island Gas Connector

Type: Project includes construction of pipeline, meter stations and compressor stations

Length: 80 miles

Diameter: 36 inches

Location: Sumas, WA - Vancouver Island, B.C.

Completion: Canceled

SEMPRA ENERGY – (REV 11/20)

Operator: Port Arthur LNG Pipeline LLC

Project: Port Arthur Pipeline - Texas Connector

Type: Project includes construction of pipeline

Length: 34 miles

Diameter: 42 inches

Location: Jefferson and Orange counties, TX; Cameron Parish, LA

Capacity: 2 Bcf/d

Status: FERC has issued a Draft Environmental Impact Statement for the project

Completion: 2024

Operator: Southern California Gas Co.

Project: Pipeline Safety & Reliability Project - Line 3602

Type: Project includes partial replacement of Line 1600, which entered service in 1949

Length: 43 miles

Diameter: 36 inches

Location: San Diego, CA

Status: Project is in the planning stage

SEMPRA LNG & MIDSTREAM – (1/22)

Owner 2: Boardwalk Pipeline Partners LP, 50%

Project: Permian-Katy Pipeline

Type: Project includes pipeline construction

Length: 520 miles

Diameter: 36 and 42 inches

Location: Waha, TX - Katy, TX

Capacity: 2.25 Bcf/d

Start: 2024

Comments: Project will connect abundant natural gas supplies from the Permian Basin to large, diversified and growing markets on the Texas Gulf Coast and Mexico

TELLURIAN INC. – (REV 9/22)

Project: Permian Global Access Pipeline

Type: Project includes pipeline construction

Length: 625 miles

Diameter: 42 inches

Location: Pecos County, TX - Midland, TX - Gillis, LA

Capacity: 2 Bcf/d

Completion: Delayed

Comments: Project is undergoing an open season

Project: Haynesville Global Access Pipeline

Type: Project includes pipeline construction

Length: 200 miles

Diameter: 42 inches

Location: Northern Louisiana - Gillis, LA

Capacity: 2 Bcf/d

Cost: \$1.4 billion

Completion: 2Q 2023

Operator: Downeast Pipeline LLC

Project: Downeast Pipeline

Type: Project includes construction of pipeline

Length: 30 miles

Diameter: 30 inches

Location: Robbinston, ME

Capacity: 300 MMcf/d

Status: Project has currently been denied

Comments: Pipeline is part of the proposed Downeast LNG Project

TRANSCANADA CORP. – (REV 4/20)

Operator: Columbia Pipeline Group

Project: Buckeye Xpress Project

Type: Project includes pipeline replacement, looping and additional compression

Length: 64 miles

Diameter: 36 inches

Location: Vinton, Jackson, Gallia and Laurence counties, OH; Wayne County, WV

Capacity: 275 MMcf/d

Status: Project has requested FERC authorization to start construction

Comments: In addition to the modernization project, the potential to replace this line with 36-inch pipeline to meet growing market demand in the Appalachian region and beyond

VENTURE GLOBAL GATOR EXPRESS – (REV 1/23)

Project: Plaquemines LNG Project, Southwest Lateral TGP

Type: Gas pipeline

Length: 27 miles (43 km)

Pipe

dimensions: 42 inches

Capacity: 2.8 Bcf/d

Location: Plaquemines Parish, Louisiana

Start: 2023

Comments: Project includes construction of two pipelines, looping and facilities. Associated with the LNG facility.

WBI ENERGY (REV 8/22)

Project: North Bakken Expansion

Type: Natural gas pipeline

Length: 97-mile (156-km) expansion

Dimensions: 30 miles of 12-inch pipeline; 63 miles of 24-inch pipeline

Capacity: 250 MMcf/d

Location: Tioga, N.D., to a new interconnect with TransCanada's Northern Border pipeline in McKenzie County, N.D.

Completion: In Service 2022

Comments: The MDU Resources Group subsidiary expects the project to cost \$260 million and, during peak construction, and employ as many as 450 people.

WHITEWATER MIDSTREAM – (REV 2/19)

Project: Steady Eddy Pipeline

Type: Project includes pipeline construction and associated metering stations

Diameter: 24 inches

Location: Eddy County, N.M. to Culberson County, TX

Capacity: 500,000 MMBtu/d

Comments: FERC has prepared a Final Environmental impact Statement for the project

WHITEWATER MIDSTREAM – (REV 3/19)

Project: Steady Eddy Pipeline

Location: Texas, New Mexico

Size: 24-inch

Capacity: 500,000 Btu

Completion: pending

WHITEWATER, ENLINK MIDSTREAM, DEVON ENERGY AND MPLX

Project: Matterhorn Express Pipeline

Type: Gas pipeline

Length: 490 miles (790 km)

Pipe

dimensions: not announced

Capacity: 2.5 Bcf/d

Location: Waha, Texas, to near Houston, with supply sourced from connections in the Permian Basin.

Completion: 4Q 2024

Comments: The project is in the preliminary stages, and Matterhorn representatives are continuing to survey, and conduct environmental and other inspections prior to selecting a final route for the line.

Projects added and updated for the current month are highlighted

WILLIAMS PARTNERS LP – (REV 01/22)

Project: Bluebonnet Market Express Pipeline
Length: 500 miles
Location: Waha, TX – Katy, TX (Transco Zone 2)
Capacity: 2 MM Dth/d
Completion: on hold
Comments: System will connect Permian Basin supply to growing markets, including Transco markets
Operator: Transcontinental Gas Pipe Line Co. LLC
Project: Northeast Supply Enhancement
Type: Project includes construction of pipeline
Length: 35 miles
Diameter: 26 and 42 inches
Location: New York Bay; Lancaster County, PA; Middlesex County, NJ
Capacity: 400 MMcf/d
Comments: FERC has issued a Draft EIS for the project

GAS

The Americas | CANADA

FORTISBC – (REV 4/19)

Operator: Woodfibre Natural Gas Ltd.
Project: Eagle Mountain – Woodfibre Gas Pipeline
Type: Project includes pipeline construction and compressor station upgrades
Length: 29 miles
Diameter: 24 inches
Location: Coquitlam to Squamish, B.C.
Capacity: 23 MMcf/d
Status: Project is in the pre-application phase
Comments: Project will expand a portion of the existing natural gas transmission system and is associated with the proposed Woodfibre LNG Facility
Contractor: Hedberg & Associates Consulting Ltd.
Type: Project includes access planning, permitting and LiDAR design for pipeline routing
Cost: \$250 million

ENBRIDGE – (REV 3/20)

Project: Westcoast Connector Gas Transmission Project
Type: Project includes construction of two adjacent pipelines
Length: 528 miles
Diameter: 42 and 48 inches
Location: Cypress, B.C. – Prince Rupert, B.C.
Capacity: 4.2 Bcf/d
Status: Project is on hold
Contractor: FLUOR
Type: Project includes engineering, procurement and construction of the pipeline

TC ENERGY

Project: NOVA Gas Transmission System expansion

Type: Natural gas
Length: 25 miles (40 km)
Pipe dimensions: 20 inches
Capacity: 4 MMcm/d of natural gas
Completion: first quarter 2023
Location: Alberta, Canada
Comments: The Canadian government approved the expansion to improve market access for western Canadian natural gas. The project was announced by TC Energy in 2019 and by about 258 MMcf/d of new long-term firm service contracts.

TIDEWATER MIDSTREAM AND INFRASTRUCTURE LTD. – (REV 02/21)

Project: Tidewater Pipeline
Type: Project includes pipeline construction
Length: 75 miles
Location: Brazeau River Complex – Sundance and Keephills
Capacity: 130 MMcf/d (initial), 340 MMcf/d (maximum)
Cost: \$150 million
Status: TransAlta Corp. and Tidewater Midstream have entered into a Letter of Intent for the project
Comments: Project facilitates TransAlta's strategy to convert its coal units at Sundance and Keephills to natural gas

GAS

The Americas | MEXICO

ENGIE – (12/20)

Project: Energia Mayakan Pipeline Extension
Type: Project includes construction of pipeline
Length: 99 miles
Diameter: 16 to 24 inches
Location: Valladolid, Yucatan – Quintana Roo
Cost: \$300 million
Status: Project is in the planning stage
Completion: Canceled

CLOUGH CREEK-BRASS TERMINAL-ESALA PIPELINE (REV 12/22)

Type: Natural gas
Length: 20-mile (32-km)
Pipe dimensions: 16 inches
Capacity: 3 MMcm/d of natural gas
Completion: 2023
Location: Nigerian National Petroleum Corporation (NNPC) is the 100% shareholder of the pipeline operated by NGC and planned from Clough Creek Brass Terminal Pipeline to Esala.

GAS

International | CARIBBEAN/SOUTH & CENTRAL AMERICA

CANACOL

Project: Jobo-Medellin

Type: natural gas pipeline
Length: 186-mile (300-km)
Capacity: 100 MMcf/d
Cost: \$560 million
Location: From the gas fields near the Caribbean to Medellin, Colombia
Completion: 4Q 2024
Comments: A final decision on the construction contractor is expected in July.

PAMPA ENERGÍA – (REV 2/20)

Operator: Transportadora de Gas del Sur
Project: Vaca Muerta Pipeline
Type: Project includes construction of a pipeline and gas treatment plant
Length: 57 miles
Location: Anelo – Tratayen, Argentina
Capacity: 1.3 Bcf/d
Status: Project is awaiting regulatory approval
Comments: Transportadora de Gas del Sur has invested \$250 million for the project

TOTAL ENERGIES

Project: Fenix gas development
Type: Gas pipeline
Length: 20 miles (32.1 km)
Pipe Dimensions: not announced
Capacity: 70,000 boe/d (Fenix startup total)
Location: Coastal Tierra del Fuego in southern Argentina.
Completion: 1Q 2025
Comments: TotalEnergies approved the final investment decision for the development. The pipeline will run between the Véga Pleyade platform to the shore for treatment at the Rio Cullen and Cañadon Alfa plants, all of which are operated by the French firm.

YPF

Project: Vaca Muerta Shale project
Location: Vaca Muerta to Buenos Aires expansion
Length: 400 miles
Capacity: 22 MMcm/d
Dates: Contract expected to be awarded 4Q 2020
Notes: Argentina commits to expand natural gas infrastructure

GAS

International | EUROPE

OPEN GRID EUROPE (OGE)

Project: Wilhelmshaven-to-NETRA Connector
Type: Natural gas expansion
Length: 18-mile (30-km) expansion
Dimensions: 20-inch pipe
Capacity: 10 Bcm/d
Location: The link runs from Wilhelmshaven, Germany, to NETRA, a long-distance

Projects added and updated for the current month are highlighted

pipeline taking gas further south and east, reaching NETRA at a point near the Etzel underground storage facility.

Completion: n/a

Comments: Germany has yet to establish an LNG terminal, but three projects are under discussion.

GAS

International | SOUTH AMERICA

COMPANIA OPERADORA DE GAS (COGA)

Project: CMGP Pipeline
Length: 932 miles (1,500 km)
Diameter: n/a
Location: Peru's main gas field, Camisea, to the Peruvian
Capacity: n/a
Completion: mid-2026
Operator: COGA
Contracts: Fluor (construction, maintenance),
Comments: Pre-mobilization activities on the project are underway with construction expected to begin in the first quarter of 2021 and be completed in mid-2026.

PROMIGAS

Project: Jobo-Transmetano
Type: Natural gas pipeline
Length: 179-mile (288-km)
Capacity: 100,000 cf/d
Location: Caribbean region of Colombia to the region near Antioquia
Cost: \$400 million
Completion: 4Q 2024
Comments: The environmental license for the route of the gas pipeline has already been authorized by the National Environmental Licensing Authority (ANLA).

GAS

International | ASIA-PACIFIC

APA GROUP – (REV 4/20)

Project: Crib Point Pakenham Pipeline
Type: Project includes pipeline construction
Length: 37 miles
Diameter: 24 inches
Location: Crib Point - Pakenham
Capacity: 9.5 Bcf/d
Comments: System will connect AGL's proposed Gas Import Jetty at Crib Point to the Victorian Transmission System near Pakenham

BANGLADESH PETROLEUM CORP. – (REV 11/20)

Project: Dhaka to Chittagong Pipeline
Type: Project includes pipeline construction
Length: 147 miles
Diameter: 16 inches
Location: Dhaka – Chittagong

Capacity: 3 mtpa
Status: Project is securing land acquisition
Start: 2022
Contractor: Engineers India Ltd.
Type: Project includes route surveying
Contractor: Bangladesh Army
Type: Project includes engineering, procurement and construction

PIPECHINA (8/20)

Project: China-Russia East Natural Gas Pipeline – South
Location: Hebei to Shanghai, China
Dimensions: Large dimension pipe, 1,100 miles
Completion: 4Q 2025
Notes: The route, in its entirety of 3,176 miles, is expected to deliver 18.9 Bcm of natural gas annually to the Yangtze River delta region.

CHINA PETROCHEMICAL CORP. (SINOPEC) –(REV 1/20)

Project: Erdos-Anping-Cangzhou Pipeline
Type: Project includes construction of a trunk and five trunk lines
Length: 1,424 miles
Location: Xiongan New Area, Beijing – Cangzhou, Hebei province
Capacity: 30 Bcm/y
Cost: \$5.1 billion
Status: Project has been approved by the National Development and Reform Commission
Comments: Project is designed to connect major LNG storage with Xiongan New Area, China's new economic zone near capital Beijing and is part of Sinopec's clean heating program on the northern region

GAIL INDIA LTD. – (REV 01/23)

Project: Barauni-Guwahati Pipeline
Type: Project includes pipeline construction
Length: 417 miles
Diameter: 24 inches
Location: Barauni - Guwahati
Completion: 2022
Comments: Project is associated with the planned Jagdishpur- Haldia-Bokaro-Dhamra Pipeline

ALGERIA, NIGERIA AND NIGER (REV 09/22)

Project: Trans-Saharan Pipeline
Type: Natural gas pipeline
Length: 2,485 miles (4,000 km)
Pipe dimensions: not announced
Location: The \$13 billion (12.8 billion euro) pipeline is expected to begin in the Warri region of Nigeria and run north through Niger to Hassi R'Mel in Algeria, later connecting to the existing Trans-Mediterranean, Maghreb-Europe, Medgaz and Galsi pipelines.

Completion: not determined

Comments: The project stems from the three countries agreeing to revive the decades-old talks over the project, amid Europe's move to diversify its gas sources. Ministers of energy from the three countries signed an MOI in late July.

IOCL, ONGC, GAIL, NRL, OIL INDIA LTD. – (REV 12/22)

Project: North-East Natural Gas Pipeline Grid Project
Type: Project includes construction of a natural gas pipeline grid that will branch into three directions
Length: 932 miles
Location: Guwahati – Imphal; Guwahati – Agartala; Guwahati – Itanagar
Status: The five companies signed a joint venture agreement for the project
Completion: 2023
Comments: Project is part of the Jagdishpur-Haldia-Bokaro-Dhamra Pipeline and will connect Guwahati to the major northeastern

ENBRIDGE PIPELINES INC. – (REV 2/20)

Project: Line 3 Replacement Program
Type: Project includes replacement of pipeline and construction of associated facilities
Length: 1,031 miles
Diameter: 34 and 36 inches
Location: Hardisty, AB - Superior, WI
Capacity: 760,000 bpd
Start: To be determined for Minnesota portion.
Contractor: Quanta Services Inc.
Type: Contract includes the construction and installation of mainline pipe
Length: 236 miles
Diameter: 36 inches
Location: White City, SK - Brandon, MB
Contractor: SA Energy Group
Type: Contract includes constructing 57 miles of pipeline for Spread 8 and constructing 60 miles of pipeline for Spread 9
Length: 117 miles
Location: Brandon, MB – Morden, MB
Comments: Recently, under Phase 1 of the Line 3 Replacement Project, SA Energy Group successfully completed Spreads 3 and 4 (162 miles) in Saskatchewan
Project: Line 5 Pipeline Replacement
Type: Project includes replacement of a portion of pipeline that runs under the St. Clair River
Length: 0.6 miles
Diameter: 30 inches
Status: Project is working to secure the proper state and federal permits for the project
Comments: Enbridge's Line 5 is a 645-mile,

Projects added and updated for the current month are highlighted

30-inch pipeline that travels through Michigan's Upper and Lower Peninsulas, originating in Superior, WI, and terminating in Sarnia, ON

EXXON MOBIL CORP./PLAINS ALL AMERICAN PIPELINE LP – (REV 1/23)

Project: Permian Pipeline JV
Type: Project includes pipeline construction
Location: Midland, TX - Houston, TX
Capacity: 1 MMbpd
Completion: In operation 2022
Comments: Project will originate in both Wink and Midland, TX with delivery points in Webster, Baytown and Beaumont, TX

JUPITER ENERGY GROUP – (REV 03/21)

Project: Jupiter Pipeline
Type: Project includes pipeline construction
Length: 650 Miles
Diameter: 36 inches
Location: Crane TX to Brownsville TX
Status: Received funding commitment from Charon System Advisors
Completion: Delayed
Comments: Designed to be the only pipeline out of the Permian Basin to access all three deep water ports in Texas

MAGELLAN MIDSTREAM PARTNERS LP – (REV 12/21)

Project: Crane to Three Rivers Pipeline
Type: Project includes pipeline construction
Length: 375 miles
Diameter: 24 inches
Location: Crane, TX - Three Rivers, TX
Completion: Completed
Capacity: 350,000 bpd (initial)
600,000 bpd (maximum)
Status: Project is on hold

MARATHON PIPE LINE LLC – (REV 10/22)

Project: Capline Pipeline Reversal
Type: Project includes pipeline reversal to create a southbound flow on the existing system
Length: 632 miles
Diameter: 12 inches
Location: St. James, LA - Patoka, IL
Capacity: 300,000 bpd (initial)
Status: Project is undergoing an open season
Completion: Fully online.
Comments: The reversed pipeline would be able to receive crude from connecting carriers at Patoka. At St. James, shippers would have access to a distribution network that includes refineries, terminals, ships, barges, and rail

MEDALLION PIPELINE CO. – (REV 10/19)

Project: Medallion Midland Basin Pipeline Expansion
Type: Project includes the expansion of

six pipeline segments on an existing pipeline system
Diameter: 16 inches
Location: Midland Basin
Status: Project has conducted a supplemental open season to solicit additional binding long-term commitments for expanded capacity

PHILLIPS 66 – (REV 09/20)

Project: Red Oak Pipeline
Type: Project includes pipeline construction
Location: Cushing, OK – Texas Gulf Coast
Capacity: 400,000 bpd
Completion: Deferred due to prices
Comments: System is in the preliminary stages and is seeking interest from shippers
Project: Ace Pipeline
Type: Project includes pipeline construction
Length: 94 miles
Location: St. James Parish, LA - St. Bernard Parish, LA
Status: Has commenced an open season
Completion: Project Deferred
Comments: System will run to the Phillips 66 Alliance Refinery and cross the Mississippi River to serve refineries in St. Bernard Parish

PHILLIPS 66/BRIDGER PIPELINE – (REV 03/21)

Project: Liberty Pipeline
Type: Project includes pipeline construction and expansions on existing pipelines
Length: 1,350 miles
Location: North Dakota and Wyoming – Corpus Christi, TX
Capacity: 350,000 bpd
Completion: Postponed
Comments: Proceeding with construction.

TALLGRASS ENERGY AND KINDER MORGAN – (REV 2/22)

Type: Project includes pipeline construction, abandonment and conversion
Length: 200 miles
Diameter: 20 inches
Location: Wyoming, Colorado and Cushing, OK
Capacity: 800,000 bpd (light crude), 150,000 bpd (heavy crude)

TALLGRASS ENERGY LP – (REV 8/20)

Project: Seahorse Pipeline
Type: Project includes pipeline construction and is associated with the Plaquemines Liquids Terminal projects
Location: Cushing, OK - St. James, LA
Length: 700 miles
Diameter: 30 inches
Capacity: 800,000 bpd
Status: Project is undergoing an open season
Project: Cheyenne Connector Pipeline

Type: Project includes pipeline construction
Length: 70 miles
Diameter: 36 or 42 inches
Location: Weld County, CO
Capacity: 800,000 bpd
Completion: 2022
Comments: Project has submitted FERC application

OIL

The Americas | CANADA

EAGLE SPIRIT ENERGY HOLDINGS LTD. – (REV 3/18)

Project: Eagle Spirit Pipeline
Type: Project includes pipeline construction
Length: 995 miles
Diameter: 48 inches
Location: Edmonton, AB - Prince Rupert, B.C.
Capacity: 2 MMbpd
Status: Project received approval from all First Nations chiefs along a proposed route through northern B.C. and has financial backing from Aquilini Investment Group
Comments: Project is being proposed to replace the canceled Northern Gateway Pipeline and would link Alberta's oil to British Columbia's coast, where tankers would transport the cargo to foreign markets

KINDER MORGAN ENERGY PARTNERS – (REV 1/23)

Operator: Trans Mountain Pipeline LLC
Project: Trans Mountain Expansion
Type: Project includes construction of twinned pipeline, 12 new pump stations and 20 tanks
Length: 608 miles
Diameter: 30 to 36 inches
Location: Edmonton - Vancouver
Capacity: 590,000 bpd
Status: NEB will hold a public hearing to carry out its reconsideration related to the project
Contractor: EVRAZ North America
Type: Project includes pipe supply
Length: 497 miles

Contractor: Midwest Pipelines Inc.
Type: Project includes construction of spreads 1 & 2 of the pipeline (Edmonton/Yellowhead)
Contractor: Ledcor Sicim Limited Partnership
Type: Project includes construction of spreads 3 & 4 of the pipeline (North Thompson)

Contractor: Surerus Murphy Joint Venture
Type: Project includes construction of spread 5A of the pipeline (BC Interior)
Contractor: Spiecapag Canada Corp.
Type: Contract includes pipeline construction
Contractor: Somerville-Aecon Energy Group
Type: Project includes construction of spread 6 (Fraser Valley)

Projects added and updated for the current month are highlighted

Contractor: Kiewit Ledcor TMEP Partnership
Type: Project includes construction of spread 7 of the pipeline, Burnaby Mountain tunnel and three terminals (Westridge Marine Terminal, Burnaby Terminal and the Sumas Terminal)

OIL

The Americas | MEXICO

INVEX GRUPO INFRAESTRUCTURA, S.A.P.I. DE C.V. – (REV 4/18)

Project: Tajin Pipeline Project
Type: Project includes pipeline and storage terminal construction
Length: 165 miles
Diameter: 20 inches
Location: Tuxpan, Veracruz - Mexico Valley

Capacity: 165,000 bpd
Status: Project is out for bids
Comments: Project will give the Mexico Valley area access to the import markets from the U.S., Europe and the Caribbean

OIL

International | AFRICA

NIGERIAN GAS COMPANY [NGC]

Project: Clough Creek-Brass Terminal-Esala Pipeline
Type: Natural gas
Length: 20-mile (32-km)
Pipe dimensions: 16 inches
Capacity: 3 MMcm/d of natural gas
Completion: 2023
Location: Nigerian National Petroleum Corporation (NNPC) is the 100% shareholder of the pipeline operated by

NGC and planned from Clough Creek Brass Terminal Pipeline to Esala.

TOTAL SA

Project: Uganda-Tanzania Oil Pipeline
Length: 900 miles (1,445 km)
Capacity: 230,000 bpd
Location: The pipeline will transport oil from the Hoima in western Uganda to the Indian Ocean seaport town of Tanga in Tanzania.
Start: Q2 2021
Completion: 2024
Notes: About two thirds of the pipeline's cost will be financed by debt, and a Ugandan unit of South Africa's Standard Bank Group and Japan's Sumitomo Mitsui Banking Corp are jointly helping to raise the funding.

NGL

The Americas | U.S.

ANDEAVOR LOGISTICS LP – (REV 3/19)

Project: North Dakota Logistics Hub
Type: Project includes construction of 44 miles of pipeline and conversion of 42 miles of pipeline from oil to NGL
Length: 86 miles
Diameter: 16, 20 inches
Location: McKenzie, Billings and Stark counties, ND
Capacity: 150,000 bpd (initial), 34,000 bpd (maximum)
Comments: Project will transport mixed natural gas liquids from the Watford City area to an Andeavor gas processing plant near Belfield, where the liquids would be separated into products such as ethane, propane, butane and natural gasoline

PERMICO ENERGIA LLC – (REV 01/23)

PROJECT: Permico's Texas NGL Project
Segment: Companero Pipeline
Type: Project includes bi-directional pipeline construction
Length: 510 miles
Diameter: 24 inches
Location: Monahans, TX – Corpus Christi, TX
Capacity: 300,000 bpd
Status: Project funding has been secured through long-term commitments from Korean pension fund institutions
Completion: 2023
Comments: Project will include the Markham Storage Facility and El Centro Fractionator

Segment: Mont Belvieu Pipeline
Type: Project includes bi-directional pipeline construction
Length: 230 miles
Diameter: 20 inches
Location: El Centro Fractionator - Mont Belvieu
Capacity: 250 MMbpd
Segment: Markham Pipeline
Type: Project includes bi-directional pipeline construction
Length: 116 miles
Diameter: 16 inches
Location: El Centro Fractionator - Markham Storage
Capacity: 175 MMbpd
SHELL PIPELINE – (REV 02/21)
Project: Falcon Pipeline
Type: Project includes pipeline construction

Length: 94 miles
Diameter: 12 inches
Location: Pennsylvania, West Virginia and Ohio
Capacity: 175,000 bpd
Status: Project's application is under review by the Pennsylvania Department of Environmental Protection and the DEP has extended the comment period on water obstruction and encroachment (Chapter 105) permit applications related to the project
Comments: Project will collect ethane from MarkWest Energy Partners LP's Houston Processing and Fractionation facility in Washington

County, PA and from its Cadiz Complex in Harrison County, OH. It is 95% completed.

SUNOCO PIPELINE – (REV 8/19)

Project: Mariner East 2
Type: Project includes pipeline construction
Location: Pennsylvania, West Virginia, Ohio
Capacity: 345,000 bpd
Completion: Indefinite
Comments: State halted construction permits.

TARGA (1/23)

Project: Grand Prix NGL extension
Location: Oklahoma
Length: 110 miles
Capacity: 120,000 bpd
Completion: Completed 2022
Comments: Crossing from southern Oklahoma into the Sooner Trend (oil field), Anadarko (basin), Canadian and Kingfisher (counties) ("STACK") region of Central Oklahoma where it will connect with Williams' new Bluestream Pipeline.

TEXAS EXPRESS PIPELINE LLC – (REV 01/22)

Project: Texas Express NGL Pipeline Expansion
Type: Project includes adding pumping capacity along the existing 583-mile pipeline
Location: Skellytown, TX - Mont Belvieu, TX
Capacity: 90,000 bpd
Comments: Completed

Projects added and updated for the current month are highlighted

PRODUCTS

The Americas | U.S.

DENBURY RESOURCES – (REV 1/23)

Project: Denbury Pipeline I
Type: Project includes construction of pipeline
Length: 110 miles
Diameter: 20 inches
Location: Wyoming - Baker, MT
Start: In service 2022

Comments: Project will transport greenhouse gas carbon dioxide for use in oil production along the North Dakota border to the Cedar Creek Anticline, an aging oil field near Baker, MT

Project: Denbury Pipeline II
Type: Project includes construction of pipeline
Length: 250 miles
Diameter: 20 inches
Location: Glendive, MT
Comments: Project will link the Shute Creek site to an existing pipeline network that extends into Montana

FORMOSA PLASTICS GROUP – (REV 2/19)

Contractor: Strike LLC
Project: Formosa Expansion Project
Type: Project includes construction of pipeline
Length: 186 miles
Diameter: 8, 10 and 16 inches
Location: Point Comfort, TX
Capacity: 46,000 bpd

HOLLY ENERGY PARTNERS LP – (REV 02/21)

Project: Orla to Midland Refined Product Pipeline
Type: Project includes pipeline construction
Location: Orla, TX - Midland, TX
Capacity: 40,000 bpd
Status: Project is currently undergoing a feasibility study

Completion: Online
Comments: Project is part of HEP's continuous efforts to serve the growing distillate demand in the Permian Basin with additional infrastructure projects

Contractor: AECOM

Type: Contract includes a feasibility study

KINDER MORGAN INC. – (REV 02/21)

Operator: Palmetto Products Pipe Line LLC
Project: Palmetto Pipeline
Type: Project includes construction of pipeline, tanks and pump stations
Length: 360 miles
Diameter: 16 and 20 inches
Location: South Carolina - Florida
Capacity: 167 bpd
Status: Cancelled

PILGRIM PIPELINE HOLDINGS LLC – (REV 3/18)

Project: Pilgrim Pipeline
Type: Project includes construction of parallel pipelines
Length: 356 miles
Diameter: 24 inches
Location: Port of Albany, NY - Linden, NJ
Capacity: 400,000 bpd

ON THE GO?

Don't miss a moment.

Access PGJ articles, news and updates anytime, anywhere.

**Stay mobile.
Stay connected.**

@PipelineandGas



www.PGJonline.com

Pipeline & Gas Journal