

Natural Gas Week

Natural Gas Week's Price Index Methodology

July 2019

Energy Intelligence's Natural Gas Week (NGW) has been gathering and publishing natural gas prices for more than three decades, a period that has seen profound development in North American markets and the technologies behind the business of trading. NGW continually strives to bolster industry best practices for tracking the evolving natural gas market.

NGW collects prices at industry standard price points and produces composite prices reflecting regional trading in the US and Canada. For more detailed information on individual points and composite definitions please [contact us](#).

Our Approach

NGW publishes prices from the wellhead to the burner tip and gathers information throughout the US and Canada from first-hand sources that are parties to the transactions they report. Transactions posted on third-party trading platforms are used for price verification only.

NGW is generally conservative in its approach to the addition of newer, less liquid pricing points. NGW collects data on price points that are developing and typically publishes averages for new price points when we believe there is a sufficient track record of trading at a location.

All of our gas price averages are volume-weighted, except in the limited instances of editorial price assessments (see below). Each transaction is weighted based on price and volume and then aggregated with other transactions collected for the survey period — minus any unverifiable anomalies — to generate a final value.

The information gathered varies with the market's own rhythms, including the volume of gas trading, the location and the time and day of the month. NGW gathers transactions Monday through Friday, up until 4:30p.m. Eastern Prevailing Time, and publishes a daily price table Monday through Friday in NGW's *Gas Market Reconnaissance*. A weekly table reflecting weighted averages for deals transacted over the course of the week is published in NGW on Mondays. A table of volume-weighted averages for the preceding month is published on the first business day of each month. All these tables are based on daily transactions for next-day flow conducted during each trading day.

Each flow date is weighted separately in these tables with flow dates valid from the trade date through the next business day. A typical weekend package traded on a Friday will include three flow dates (Saturday, Sunday and Monday). US public holidays are handled the same way. A typical three-day weekend, due to a Monday holiday, will

be traded on a Friday and include four flow dates (Saturday, Sunday, Monday and Tuesday). Longer holidays will be handled similarly.

In instances where a multiday flow would include dates from two months, the industry convention is to trade out the month on the second-to-last business day of the month and trade for the period at the beginning of the next month on the last business day of the preceding month. NGW tables reflect this pricing convention as they are based on flow-date data.

Monthly Bidweek prices — published on the first business day of each month in *Gas Market Reconnaissance*, *Natural Gas Week's Monthly Bidweek Report* and on the following Monday in NGW — are derived from monthly contract trading for front-month delivery conducted during Bidweek, which is typically comprised of the last five trading days of the month.

NGW obtains prices and trade data electronically from departments of trading companies that are independent from and not responsible for trading, and makes good-faith efforts to publish prices that reflect trading values for the survey period covered.

No minimum threshold is required by NGW for a price to be published. Every price listing includes the number of transactions and the associated volume that underpins the listing. If it is determined by the editors that a price point has insufficient data, either no price will be reported or a clearly identifiable editorial assessment will be made based on an analysis of alternate market information, which may include basis relationships to trading at more-liquid price locations, bids and offers, implied physical values derived from index and/or financial basis trading, and/or the regional movement of prices for the period being surveyed. When an editorial assessment is published, an asterisk will appear next to the price location, an explanatory footnote will be published along with the price table, the deal count for the location will be published as a "1" and the volume will be published as a zero. ■

Handling Problematic Data

NGW editors analyze reported data to identify potentially anomalous transactions that may be excluded from publication. Transactions that are more than two standard deviations outside the mean of a location's price set or that otherwise appear to be outside the established range of trading in a given market are flagged for follow-up scrutiny by NGW editors.

Transactions that are more than two standard deviations from the mean are not necessarily out-of-market trades. NGW often encounters sets of data that do not reflect a "normal distribution" around a mean. When outlying data significantly impacts a volume-weighted average or cannot be substantiated by other market conditions, NGW editors typically contact the data provider for more specifics about the transaction. If a satisfactory answer cannot be obtained, editors may choose to exclude the transaction from the published pricing.

When a data provider discovers it has unknowingly or mistakenly provided incorrect information, the correct information should be transmitted as soon as the discovery is made. NGW publishes a correction if an analysis of the change by the editors is considered to be material.

NGW endorses and has embraced the reporting standards recommended by the Federal Energy Regulatory Commission's Policy Statement on Natural Gas and Electric Price Indexes and its follow-up clarifications. We treat all trade data that is reported in accordance with the FERC standards confidentially and use it only for the construction of our published prices. ■

The Way Forward

NGW's data collection methods and the transparency of its price tables have been deemed to be in substantial compliance with Federal Energy Regulatory Commission policy standards. NGW publishes volumes and the number of transactions on which an average price is calculated and clearly indicates if a price is an editorial assessment. While NGW is fully committed to keeping primary price reports confidential, it retains these records for a minimum of five years.

By taking these steps, NGW is showing its commitment to continue providing a unique set of prices from the wellhead to city gate delivery, composite prices and key price points that make the publication unique in the industry. ■

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Natural Gas Week's Price Point Descriptions

Gulf Coast

ANR SE

Deliveries into ANR's Southeast transmission and gathering lines in Zone 1, including the SE Headstation Pool at Eunice, Louisiana, and the lines that extend south to an interconnect with the High Island Offshore System at West Cameron 167 and southeastward toward the Calumet processing plant in St. Mary's Parish.

Col. Gulf–Erath

Deliveries into Columbia Gulf Transmission along its east and west laterals in Louisiana south of Rayne.

Col. Gulf–Rayne

Deliveries into Columbia Gulf Transmission's mainline between Rayne, Louisiana, and Corinth, Mississippi.

Florida Zone 1

Deliveries into Florida Gas Transmission's system in Zone 1 from station 2 in Refugio County, Texas, to station 7 in Acadia Parish, Louisiana.

Florida Zone 2

Deliveries into Florida Gas Transmission's system in Zone 2 from station 7 in Acadia Parish, Louisiana, to station 8 in East Baton Rouge Parish, Louisiana.

Florida Zone 3

Deliveries into Florida Gas Transmission's system in Zone 3 from station 8 in East Baton Rouge Parish, Louisiana, to the western (upstream) side of station 12 in Santa Rosa County, Florida.

Henry Hub

Receipts and deliveries into and from Sabine Pipe Line LLC's Henry Hub in Erath, Louisiana, Interstate and intrastate pipelines that interconnect with Sabine's intra-hub transfer service include Acadian Gas, Bridgeline, Columbia Gulf Transmission, Gulf South Pipeline, Jefferson Island Pipeline, Southern Natural Gas, Natural Gas Pipeline Co. of America, Texas Gas Transmission, Sabine Pipe Line, Sea Robin Pipeline, Transcontinental Gas Pipe Line and Trunkline Gas.

NGPL-LA

Deliveries into Natural Gas Pipeline Co. of America between compressor station 344 in Jefferson County, Texas, to the terminus of the line in Vermilion Parish, Louisiana, at Erath and Henry Hub.

Pine Prairie Hub (daily market only)

Receipts and deliveries at the Pine Prairie Energy Center in Evangeline Parish, Louisiana. Pine Prairie has interconnects with ANR Pipeline, Florida Gas Transmission, Tennessee Gas Pipeline, Texas Eastern Transmission, Texas Gas Transmission, Transcontinental Gas Pipe Line, Columbia Gulf Transmission and Kinder Morgan Louisiana Pipeline.

Sonat

Deliveries into Southern Natural Gas Co. in the Louisiana and Texas portions of Zone 0.

Tenn 500 So LA Z1

Deliveries into Tennessee Gas Pipeline's 500 leg in Zone L south of Station 534 in Purvis, Mississippi, and east of mainline valve 515 in Centerville, Louisiana, including Blue Water Header system deliveries into the 500 leg.

Tenn 800 So LA Z1

Deliveries into Tennessee Gas Pipeline's 800 leg in Zone L in Louisiana south of Compressor Station 834 in Winnsboro, including all points on the west side of mainline valve 515 in Centerville, on the Kinder-Sabine Line, on the Kinder-Natchitoches Line south of Station 40 in Natchitoches and Blue Water Header system deliveries into the 800 leg.

Tetco ELA

Deliveries into Texas Eastern Transmission in its ELA Access zone, between the Kosciusko, Mississippi, compressor station and the Venice System offshore, the Opelousas compressor station and the Monroe compressor station.

Tetco WLA

Deliveries into Texas Eastern Transmission in its WLA Access zone east of the Vidor, Texas, compressor station up to but not including the Opelousas, Louisiana, compressor station. The access zone also includes points on the lateral that extends south from the Gillis compressor station to the Cameron System offshore and the lateral that extends southwest from the Opelousas compressor station toward an interconnection with ANR Pipeline in St. Landry Parish.

TGT Zone SL

Deliveries to Texas Gas Transmission in its South Louisiana service zone, which extends south from the Pineville compressor station in Rapides Parish, Louisiana, through south Louisiana to points offshore Cameron, Vermillion, St. Mary and Terrebonne parishes.

Transco Station 45

Deliveries into Transcontinental Gas Pipe Line in Zone 2, east of compressor station 30 in Wharton County, Texas, up to and including compressor station 45 — the Zone 2 pooling point — in Beauregard Parish, Louisiana.

Transco Station 65

Deliveries into Transcontinental Gas Pipe Line in Zone 3, east of compressor station in Beauregard Parish, Louisiana, up to and including the compressor station 65 pooling point in St. Helena Parish, Louisiana.

Trunkline ELA

Deliveries into Trunkline Gas Co. at onshore and offshore points south from the Patterson compressor station and points on the Patterson-to-Kaplan compressor station segment.

Trunkline WLA

Deliveries into Trunkline Gas Co. at points between but not including the Longville compressor station and the Kaplan compressor station. Deliveries into Trunkline at the Kaplan station are included as are deliveries on the lateral extending south from Kaplan through Vermillion Parish.

Texas (South/East)

Carthage Hub

Deliveries to interconnecting pipelines in the vicinity of DCP Midstream's Carthage Hub in Panola County, Texas. Among the interconnecting pipelines are Texas Eastern Transmission, Texas Gas Transmission, Atmos Pipeline, Enable Gas Transmission, Enable Mississippi River Transmission, Energy Transfer's Tiger and ET Fuel pipelines; Gulf South's Pooling Area 16, Tennessee Gas Pipeline, Kinder Morgan Tejas Pipeline, Enterprise Texas Pipeline and Southern Natural Gas Co.

Houston Ship Channel

Deliveries to end-users and adjacent service pipelines in the Houston Ship Channel industrial area of Harris, Chambers, Galveston and Liberty counties in Texas. This location includes deliveries to the Intercontinental Exchange's Houston Ship Channel Pool meter on Energy Transfer's Houston Pipeline System.

Trunkline Zone 1A

Deliveries into Trunkline Gas Co. in Zone 1A, beginning at the discharge side of the Longville compressor station in Beauregard Parish, Louisiana, north to the suction side of the Dyersburg Compressor Station in Dyer County, Tennessee, and at Trunkline's Zone 1A pool.

Trunkline WLA

Deliveries into Trunkline Gas Co. at points between but not including the Longville compressor station and the Kaplan compressor station. Deliveries into Trunkline at the Kaplan station are included as are deliveries on the lateral extending south from Kaplan through Vermillion Parish.

Trunkline Zone 1A

Deliveries into Trunkline Gas Co. in zone 1A, beginning at the discharge side of the Longville compressor station in Beauregard Parish, La., north to the suction side of the Dyersburg Compressor Station in Dyer County, Tenn., and at Trunkline's zone 1A pool.

Katy Hub

Deliveries and receipts at the Enstor Katy Storage hub in Fort Bend and Waller counties, Texas, and at pipeline interconnects in the Katy, Texas, area including on Natural Gas Pipeline, Tennessee Gas Pipeline, Oasis Pipeline, Transcontinental Gas Pipe Line, Dow Pipeline, Kinder Morgan Texas Pipeline, KM Tejas Pipeline, Houston Pipe Line, Duke Energy, Atmos Texas Pipeline, Gulf South Pipeline, Trunkline Gas Co. and DCP Midstream.

NGPL-South Texas

Deliveries into Natural Gas Pipeline Co. of America's mainline in the South Texas zone, which extends from Jim Hogg County, Texas, north to compressor station 302 in Montgomery County, Texas.

Gulf Coast (cont.)

NGPL-TexOk

Deliveries into Natural Gas Pipeline Co. of America in all areas of its Texok zone except the portion on the A/G Line. This location includes receipts at the Texok Gulf Coast Pooling Point but not at the Texok A/G Pooling Point.

Tenn Zone 0

Deliveries into Tennessee Gas Pipeline at all points on the 100 leg south of compressor station 40 in Natchitoches, Louisiana, including all points of receipt westward on the Carthage Line.

Tetco-East Texas

Deliveries into Texas Eastern Transmission in its “ETX” zone, which extends northward from the Huntsville, Texas, compressor station to the Little Rock, Arkansas, compressor station. The zone also includes the north Louisiana segment from the Joaquin compressor station to the Sharon compressor station.

Tetco-South Texas

Deliveries into Texas Eastern Transmission’s “STX” zone on the 24 inch line from the Hagist Ranch in Duval County, Texas, to the Huntsville compressor station in San Jacinto County and on the 30 inch line from the US-Mexico border in Hidalgo County to the Vidor compressor station in Orange County.

Texas (West)

El Paso Permian

Deliveries into El Paso Natural Gas at points in its three Permian Basin pools in West Texas — the Waha pool (Waha plant south), Keystone pool (Keystone station south to Waha) and the Plains Pool (Plains station south to Keystone).

NNG Custer

Deliveries into Northern Natural in its Central Field Trading Pool area (MIDs 8-12) in western Oklahoma and the Texas Panhandle.

Transwestern E of Thoreau

Deliveries into Transwestern Pipeline system east of station 8 in Lincoln County, New Mexico, southwest of station P-1 in Roosevelt County, New Mexico, and south of station 9 in Chaves County, New Mexico, to the southernmost point on the pipeline in Pecos County, Texas.

Tres Palacios Hub (daily market only)

Receipts and deliveries at Tres Palacios Gas Storage LLC’s facilities in and around Matagorda County, Texas. Tres Palacios facilities include interconnects with Transcontinental Gas Pipe Line Company, Florida Gas Transmission, Tennessee Gas Pipeline, Texas Eastern Transmission, Enterprise Texas Pipeline, Enterprise Intrastate L.P., Natural Gas Pipeline Company of America, Kinder Morgan Tejas Pipeline, Central Texas Gathering System and Kinder Morgan’s Houston Central Complex.

TGT Zone 1

Deliveries into Texas Gas Transmission’s Zone 1, extending northward from Rapides Parish, Louisiana, to a point of intersection of the main transmission pipeline with the border between the counties of Lauderdale and Dyer, Tennessee. Zone 1 includes the North Louisiana, Fayetteville and Greenville lines.

Transco Station 30

Deliveries into Transcontinental Gas Pipe Line south from and including station 30 in Wharton County, Texas.

Transco Station 30

Deliveries into Transcontinental Gas Pipe Line south from and including station 30 in Wharton County, Texas.

Waha Hub

Deliveries into intrastate and interstate pipelines and header systems in the Waha vicinity of West Texas. Among the pipelines and facilities in the area are: El Paso Natural Gas, Northern Natural, Transwestern Pipeline, Oneok Westex, Natural Gas Pipeline Co., Oasis Pipeline, Enterprise Texas, DCP Midstream, Atmos Pipeline, Regency Energy Partners, Southern Union Gas Services’ Waha/Encina Header, Enstor Waha Storage Hub and Kinder Morgan Texas.

Midcontinent

ANRSW

Deliveries into ANR pipeline's Southwest system south and west of and including the SW Headstation in Greensburg, Kansas.

CenterPoint East

Deliveries into Enable Gas Transmission's Neutral (or "Flex") and North pooling areas in southeastern Oklahoma and northeastern Arkansas. This location does not include the South, West-1, West-2 or CP Line pooling areas.

CenterPoint West

Deliveries into Enable Gas Transmission in its West-1 and West-2 pooling areas in Oklahoma.

NGPL-MC

Deliveries into Natural Gas Pipeline Co. at all points and pools in Natural's Midcontinent receipt zone south of compressor station 106 in Gage, Nebraska, to station 112 Moore County, Texas, and west and south of compressor station 801 in Carter County, Oklahoma.

Oneok

Deliveries into Oneok Gas Transportation's mainline systems from production-gathering systems and interconnects in Oklahoma. Oneok operates a single price pool for all gas coming into the system.

Panhandle

Deliveries into Panhandle Eastern in its Texas, Oklahoma and Kansas field zone located south and southwest of the Haven, Kansas, compressor station. Deliveries at Haven are excluded.

Southern Star

Production area deliveries into Southern Start Central in Texas, Oklahoma and Kansas. This location does not include transactions in the market area or at the production area/market area boundary.

Great Plains

Emerson

Deliveries at US-Canadian border interconnects between TransCanada Pipeline and Great Lakes Gas Transmission at the Emerson 2 meter station at Emerson, Manitoba, and deliveries into Viking Gas Transmission from TransCanada at the Emerson 1 station.

NB Ventura TP

Deliveries into Northern Border Pipeline at its Ventura Transfer Point at Ventura, Iowa. This location includes trades for gas already moving on Northern Border that will remain on Northern Border as well as deliveries into Northern Border from Northern Natural Gas at Ventura. It does not include deliveries to Northern Natural from Northern Border.

NGPL Amarillo (daily market only)

Deliveries to Natural Gas Pipeline of America in its Amarillo Mainline Receipt Zone, which extends northward on its Amarillo line from Station 106 in Gage County, Nebraska, to a point just south of Station 109 in southwestern Iowa.

NNG Demarc

Deliveries into Northern Natural Gas at its Clifton Station demarcation point between the production ("field") and market zone in Clay County, Kansas.

NNG Ventura

Deliveries into Northern Natural Gas Co. at Ventura in Hancock County, Iowa.

Upper Midwest

Alliance

Deliveries from Alliance Pipeline at the tailgate of the Aux Sable plant in Will County, Illinois, to Natural Gas Pipeline, Midwestern Gas Transmission, ANR Pipeline, Vector Pipeline and Guardian Pipeline. Deliveries to Nicor and People's Gas Light & Coke are excluded.

ANR ML7

Deliveries into ANR Pipeline in its Northern (ML-7) market zone "downstream" or north and east of the Sandwich, Illinois, compressor station and north and west of the Defiance, Ohio, compressor station.

Chicago Citygate

Deliveries to Peoples Gas Light & Coke, North Shore Gas, Northern Indiana Public Service Co. and Nicor Gas in the Chicago area.

Consumers

Deliveries to Consumers Energy city gates in Michigan.

MichCon

Deliveries to Michigan Consolidated Gas Co. city gates in Michigan.

REX Zone 3 Delivered

Deliveries from Rockies Express Pipeline to Zone 3 interconnects east of the Mexico compressor station in Audrain County, Missouri and west of the Indiana/Ohio border. This price point does not include deliveries from REX to Panhandle Eastern Pipeline in Audrain County, Missouri, or deliveries from REX in the Lebanon, Ohio area.

Southeast

Tetco-M1

Deliveries into Texas Eastern Transmission's 30 inch line in Zone M1 north of and including the Texas Gas interconnect at the Kosciusko, Mississippi, compressor station, to the Tennessee-Kentucky state line. M1 deliveries to Texas Eastern's 24 inch line in Arkansas, Missouri and Illinois are excluded.

Transco Zone 4

Deliveries into Transcontinental Gas Pipe Line in Zone 4 north of Station 65 at the Louisiana-Mississippi border to the Georgia-South Carolina border, including receipts in Mississippi, Alabama and Georgia, and the Station 85 pool.

Transco Zone 5

Deliveries from Transcontinental Gas Pipe Line in Zone 5 from the Georgia-South Carolina border to the Maryland-Virginia border with the exception of deliveries from Transco to the Dominion Cove Point LNG line at Pleasant Valley in Fairfax, Virginia.

Appalachia

Col. Gas App. Pool

Deliveries at Columbia Gas Transmission's Interruptible Paper Pool (IPP or TECO pool). IPP pool transactions can originate from any point on the Columbia Gas system. This point is designed to exclude transactions delivered to Columbia Gas at interconnects and on-system points that are restricted from the IPP pool.

Dominion North

Deliveries into Dominion Transmission system at points north of the Valley Gate Junction in Allegheny County, Pennsylvania.

Dominion South

Deliveries into Dominion Transmission system at points south of the Valley Gate Junction in Allegheny County, Pennsylvania. The south-of-Valley Gate points are in Ohio, Pennsylvania, West Virginia and Virginia.

Lebanon Hub

Deliveries to and from pipelines in the Lebanon Hub in Warren County, Ohio. Pipelines include Dominion Transmission, Panhandle Eastern, Rockies Express, ANR Pipeline, Texas Eastern Transmission and Texas Gas Transmission.

Appalachia (cont.)

Millennium Pipeline, East Receipts

Receipts into Millennium from the Corning compressor station in Steuben County, New York, eastward to the Ramapo interconnect with Algonquin Gas Transmission in Rockland County, New York.

Tennessee Zone 4-200 leg

Deliveries to Tennessee Gas Pipeline at all points of receipt on the 200 line in Pennsylvania and Ohio as well as transactions at Tennessee's station 219 pool in Mercer, Pennsylvania.

Tennessee Zone 4-300 leg, receipts

Deliveries into Tennessee Gas Pipeline, Zone 4-300 leg, from and including station 315 in Tioga County, Pennsylvania, to and including station 321 in Susquehanna County, Pennsylvania.

Tennessee Zone 4 313 pool

Includes deliveries into Tennessee Gas Pipeline's 300 leg between but not including station 315 in Tioga County, Pennsylvania, and Station 219 in Mercer, Pennsylvania.

Tetco M2 (daily and bidweek)

Receipts on Texas Eastern Transmission's 24-inch and 30-inch lines in market zone 2. This includes receipts on the 30-inch line from the Tennessee-Kentucky state line to the suction side of Delmont station in Westmoreland County, Pennsylvania, and to the discharge side of Station Site No. 22 in southwestern Pennsylvania; and on the 24-inch line from the Illinois-Indiana state line to the suction side of Bern compressor station in Lewisville, Ohio. The point also includes receipt pool transactions but excludes deliveries from Texas Eastern in M2 to other pipelines and facilities.

Transco Leidy Line

Deliveries to Transcontinental Gas Pipe Line's Leidy Line downstream of the Leidy and Wharton storage facilities in Clinton and Potter counties, Pennsylvania, to Transco's station 505 in Hunterdon County, New Jersey. This pricing location does not include transactions at the storage-related interconnects with Dominion Transmission, National Fuel Gas Supply, UGI Storage or Tennessee Gas Pipeline.

Eastern Canada

Dawn

Deliveries at Union Gas' Dawn Storage Hub interconnects in southern Ontario at the US-Canadian border. The Hub has interconnects with ANR Pipeline, Vector Pipeline, Michigan Consolidated Gas, Great Lakes Gas Transmission and Bluewater Gas Storage in eastern Michigan and TransCanada Pipe Line.

Iroquois

Deliveries at the Waddington, New York, interconnection between TransCanada Pipeline and Iroquois Gas Transmission at the US-Canadian border.

Niagara

Cross-border deliveries between TransCanada PipeLines and Tennessee Gas Pipeline, National Fuel Gas Supply, Texas Eastern Transmission and Dominion Transmission on the Niagara spur and loop lines near Niagara Falls, New York.

Northeast/MidAtlantic

Algonquin

Deliveries from Algonquin Gas Transmission to distributors and end-use facilities in Connecticut, Rhode Island and Massachusetts.

Dracut

Deliveries to Tennessee Gas Pipeline and National Grid from Maritimes & Northeast Pipeline and Portland Natural Gas Transmission at the Dracut and Haverhill, Massachusetts, interconnects.

Iroquois Zone 2

Deliveries from Iroquois Gas Transmission south of its Wright compressor station to the terminus of Iroquois at Hunts Point, New York.

Tenn Gas Zone 6

Deliveries from Tennessee Gas Pipeline on the 200 leg in Connecticut, Rhode Island, New Hampshire and Massachusetts, including the 200 leg pooling point.

Tetco M3

Deliveries from Texas Eastern Transmission in market Zone M3, extending eastward from the Delmont compressor station in Westmorland County, Pennsylvania, to all points of delivery in the zone including on the New Jersey-New York expansion line.

Transco Z6 - Non-NY

Deliveries from Transcontinental Gas Pipe Line in Zone 6 beginning at the Virginia-Maryland border to the Linden, New Jersey, interconnect with Texas Eastern Transmission. Not included are deliveries from Transco to New York area distributors downstream of Linden or on the 30 inch and 42 inch lines extending northeastward from the Station 210 pooling point in Mercer County, New Jersey.

Transco Z6 - NY

Deliveries to New York area distributors from Transcontinental Gas Pipe Line northeast of the Linden, New Jersey, interconnect with Texas Eastern Transmission and northeast of but not including the Station 210 pooling point in Mercer County, New Jersey.

Rockies

Cheyenne Hub

Deliveries to and from pipelines at the Rockies Express Cheyenne Hub in Weld County, Colorado, including REX, Tallgrass Interstate Gas Transmission, Trailblazer Pipeline, Cheyenne Plains Gas Pipeline, Colorado Interstate Gas, Wyoming Interstate Co. and Public Service Co. of Colorado.

CIG

Deliveries into Colorado Interstate Gas Co. at points west of the Cheyenne Hub in Weld County, Colorado, including points in Colorado, Utah and Wyoming, and not including deliveries to CIG on the lines south of Cheyenne.

Kern River / Opal

Transactions at the Opal Hub in Lincoln County, Wyoming, in Kern River's Muddy Creek receipt pool, including at Opal, Pioneer, Hams Fork, Rendezvous, Overland Trails, Robertson Creek, Northwest Pipeline and Colorado Interstate Gas. Since Williams, the operator of the Opal Hub, allows gas traded at Opal to be delivered to any interconnecting pipeline, trades done at Opal that are not nominated for delivery to a specific pipeline are included.

NW Rockies

Deliveries into Northwest Pipeline at points in its Rocky Mountain, Wyoming, and Piceance receipt pools. These points are located south of Northwest's Kemmerer Station in Lincoln County, Wyoming, and north of Moab Station in San Juan County, Utah.

Questar

Deliveries into Dominion Energy Questar Pipeline's north and south systems in Wyoming, Utah and Colorado.

White River Hub

Deliveries to or from interconnects and pools that make up the White River Hub in Rio Blanco County, Colorado. The hub is a joint venture between Enterprise Products Operating LLC and Questar Pipeline Co. As of March 2017, the hub operated interconnects with Rockies Express Pipeline, Wyoming Interstate, Colorado Interstate Gas, TransColorado Gas Transmission, Northwest Pipeline, Questar Pipeline and Enterprise Gas Processing.

San Juan Basin

El Paso Bondad

Deliveries into El Paso Natural Gas at the Bondad compressor station and at Bondad pool points in La Plata County, Colorado.

El Paso San Juan

Deliveries to El Paso Natural Gas at points south of the Bondad compressor station in La Plata County, Colorado, through San Juan County to the Bluewater station in McKinley County, New Mexico, and to the Window Rock station in Apache County, Arizona.

Transwestern Pipeline, San Juan

Deliveries to or from Transwestern Pipeline Co. at Transwestern's San Juan pool and Blanco Hub interconnects in La Plata County, Colorado, and San Juan and McKinley counties, New Mexico.

Pacific Northwest/Western Canada

AECO

Deliveries into TransCanada's Alberta system (NOVA) under its NOVA Inventory Transfer service. The "AECO Hub" or AECO-C is a virtual pricing point that refers to NIT transactions throughout the Alberta system.

Kingsgate

Deliveries into TransCanada's Gas Transmission Northwest system at the US-Canadian border in Boundary County, Idaho.

MALIN

Deliveries into Pacific Gas & Electric's 400 and 401 lines (Redwood Path) at the Oregon-California border at Malin, Oregon. Delivering pipeline are Gas Transmission Northwest and Ruby Pipeline.

NW Sumas

Deliveries at the US-Canadian border interchange between Northwest Pipeline and Westcoast Energy at Sumas, Washington, and Huntingdon, British Columbia.

Stanfield

Deliveries at the Stanfield, Oregon, interconnection between Northwest Pipeline and Gas Transmission Northwest in Umatilla County.

Westcoast Station 2

Deliveries at Westcoast Energy's Station 2, just west of Chetwynd, British Columbia. Station 2 is the dividing point between the North and South sections of Westcoast's transmission system.

California

El Paso South Mainline (daily market only)

Deliveries on El Paso's south mainline at points between the Cornudas compressor station in West Texas up to but not including deliveries to SoCal Gas at Ehrenberg, AZ.

Kern River Delivered (daily market only)

Deliveries from Kern River at the west end of its pipeline in Nevada (Fuel Zone 11) and California (Fuel Zone 12) downstream of the Dry Lake Compressor Station in Clark County, Nevada. Kern River deliveries to PG&E at Daggett and SoCal Gas at Wheeler Ridge and Kramer Junction are excluded from this location as those deliveries are included in the PG&E South and SoCal Border locations, respectively.

Kern — Wheeler Ridge

Deliveries into Southern California Gas Co. from Kern River at Wheeler Ridge in Kern County, California.

PG&E Citygate

Deliveries to customers on Pacific Gas and Electric Co.'s local distribution system in Northern California.

California (cont.)

PG&E South

Deliveries to Pacific Gas and Electric's 300 transmission line on its "Baja Path" in Southern California. Interconnects include deliveries from El Paso Natural Gas at Topock, Transwestern Pipeline at Topock, Kern River Gas Transmission at Daggett and the High Desert Lateral, Southern California Gas at Kern River station, and Questar's Southern Trails Pipeline at Essex.

SOCAL Border

Deliveries to Southern California Gas from El Paso Natural Gas, Transwestern Pipeline, Questar Southern Trails, Kern River Gas Transmission, Pacific Gas and Electric and in-state California production. Delivery points include: Topock, Needles, Blythe, Ehrenberg, Wheeler Ridge, Kramer Junction, Kern River Station, Pisgah and Daggett.

SoCal Citygate

Deliveries to and from Southern California Gas city-gate pool, a virtual trading point on the distributor's system for holders of city-gate pool contracts, including storage transactions to and from the city-gate pool.