EVOLUTION MARKETS

DATA PRODUCT INVENTORY - Q1 2022

Market	Product Name	Product Description	Term	History	Contract Spec
Carbon	CCA	Californian Carbon Allowance (CCA) issued by the Air Resources Board of the State of California for use in the State's carbon cap-and-trade program.	1Y, 2Y, 3Y With Matching Vintages 2Y/1Y Spread	2011	1 CCA = 1 Metric Tonne of CO2 Equivalent
	RGGI	Regional Greenhouse Gas Initiative (RGGI) Allowances as defined by a certain memorandum of understanding (MOU) and subsequent Model Rule between RGGI member states, which MOU was executed on or about December 20, 2005 as amended from time to time.	1Y, 2Y With Matching Vintages 2Y/1Y Spread	2008	1 RGGI = 1 Metric Tonne of CO2 Equivalent
	RGGI Spot	Regional Greenhouse Gas Initiative (RGGI) Allowances as defined by a certain memorandum of understanding (MOU) and subsequent Model Rule between RGGI member states, which MOU was executed on or about December 20, 2005 as amended from time to time. RGGI Spot refers to an OTC contract for immediate delivery.	Spot	2008	1 CCA = 1 Metric Tonne of CO2 Equivalent
	Golden CCO	An ARB-compliant offset under AB 32 in which the volume is guaranteed by the seller and the seller guarantees to replace CCOs invalidated by ARB with an equal amount of CCAs. One CCO is equal to 1 metric tonne of CO2 equivalent.	1M	2013	1 GCCO = 1 Metric Tonne of CO2 Equivalent
	CCO (3)	An ARB-compliant Offset under AB 32 with three (3) year invalidation borne by Buyer.	1M	2013	1 CCO = 1 Metric Tonne of CO2 Equivalent
	CCO (8)	An ARB-compliant Offset under AB 32 with eight (8) year invalidation borne by Buyer.	1M	2013	1 CCO = 1 Metric Tonne of CO2 Equivalent
	LCFS	A Low Carbon Fuel Standard is a market-based system that focuses on reducing carbon intensity of fuels within California/Oregon. Part of several AB32 measures to reduce greenhouse gas emissions throughout the state.	Prompt Transfer, Q4 21, Q4 22		1 LCFS = 1 Metric Tonne of CO2 Equivalent
	GEO	The Global Emissions Offset futures (GEO) contract is a physically settled contract that allows for delivery of CORSIA eligible voluntary carbon offset credits from three registries: Verified Carbon Standard (VCS), American Carbon Registry (ACR), and Climate Action Reserve (CAR).	1Y	2021	1 LCFS = 1 Metric Tonne of CO2 Equivalent
	NGEO	Nature-based global emissions futures—called N-GEO futures—require delivery of a specific quantity of carbon offset credits on a future date that the seller will have earned for planting trees, preserving a forest that would otherwise be cut down and similar actions.	1Y	2021	1 LCFS = 1 Metric Tonne of CO2 Equivalent
US Emissions (SO2, NOx)	National SO2	Sulfur Dioxide (SO_2) Emissions allowances for use in compliance with the US EPA's Acid Rain program under Title IV of the Clean Air Act.	1Y	2000	Each allowance represents an authorization to emit one ton of emissions per allowance held in a compliance period
	HGB Nox	NOx emissions allowances for use in compliance with the emissions reduction cap and trade program in the Houston/Galveston/Brazoria Area.	Vintage 2009+, Vintage 2015, Vintage 2016	2002	Each allowance represents an authorization to emit one ton of emissions per allowance held in a compliance period
	CSAPR Annual NOx	Nitrogen Oxide (NOx) Emissions allowances for use in compliance with the US EPA's Cross-State Air Pollution Rule to reduce NOx emissions on an annual basis. Covered states include: AL, GA, IL, IN, IA, KS, KY, MD, MI, MN, MO, NE, NJ, NY, NC, OH, PA, SC, TN, TX, VA, WV, WI.	1Y	2011	Each allowance represents an authorization to emit one ton of emissions per allowance held in a compliance period
	CSAPR SO2 Group 1	Sulfur Dioxide (SO_2) Emissions allowances for use in compliance with the US EPA's Cross-State Air Pollution Rule. Group 1 allowances are allocated to sources located in Group 1 states: IL, IN, IA, KY, MD, MI, MO, NJ, NY, NC, OH, PA, PN, VA, WV, WI.	1Y	2011	Each allowance represents an authorization to emit one ton of emissions per allowance held in a compliance period
	CSAPR SO2 Group 2	Sulfur Dioxide (SO_2) Emissions allowances for use in compliance with the US EPA's Cross-State Air Pollution Rule. Group 2 allowances are allocated to sources located in Group 2 states: AL, GA, KS, MN, NE, SC, TX. States can only trade SO2 allowances with states in the same group.	1Y	2011	Each allowance represents an authorization to emit one ton of emissions per allowance held in a compliance period
	CSAPR Seasonal Nox Group 2	Sulfur Dioxide (SO_2) Emissions allowances for use in compliance with the US EPA's Cross-State Air Pollution Rule. Group 2 allowances are allocated to sources located in Group 2 states: AL, GA, KS, MN, NE, SC, TX. States can only trade SO2 allowances with states in the same group.	1Y	2011	Each allowance represents an authorization to emit one ton of emissions per allowance held in a compliance period
	Massachusetts Carbon	Massachusetts Greenhouse Gas Initiative. Over 65% of Massachusetts' emissions come from our cars, trucks, homes, and offices; another 20% comes from the power plants that provide electricity for our lights, computers, and appliances.	1Y	2018	Each allowance represents an authorization to emit one ton of emissions per allowance held in a compliance period
	CSAPR Seasonal NOx Group 3	Sulfur Dioxide (SO_2) Emissions allowances for use in compliance with the US EPA's Cross-State Air Pollution Rule. Group 3 allowances are allocated to sources located in Group 3 states:IL, IN, LA, MD, MI, NJ, NY, OH, PA, VA, WV.	1Y		Each allowance represents an authorization to emit one ton of emissions per allowance held in a compliance period
RECs	CT Class I REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class I renewable generator under the Connecticut Renewable Portfolio Standard (RPS). CT Class I RECs may be traded and used to meet CT Class I RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The CT RPS has multiple classes of renewables depending on generation type. Class I includes such resources as wind, landfill qualifying biomass and others.	1Y, 2Y, 3Y, 4Y, 5Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	CT Class II REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class II renewable generator under the Connecticut Renewable Portfolio Standard (RPS). CT Class II RECs may be traded and used to meet CT Class II RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The CT RPS has multiple classes of renewables depending on generation type. Class II includes such resources as municipal solid waste and small hydro.	1Y, 2Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	CT Class III REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class III renewable generator under the Connecticut Renewable Portfolio Standard (RPS). CT Class III RECs may be traded and used to meet CT Class III RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The CT RPS has multiple classes of renewables depending on generation type. Class III includes such resources as energy efficiency projects and cogeneration applications.	1Y, 2Y, 3Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	DC Solar REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Solar renewable generator under the District of Columbia Renewable Portfolio Standard (RPS). DC SRECs may be traded and used to meet DC Solar RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The DC RPS has multiple classes of renewables depending on generation type. The Solar Class includes solar PV generating sources.	2021, 1Y, 2Y, 3Y, 4Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	DC Tier 1 REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Tier I renewable generator under the District of Columbia Renewable Portfolio Standard (RPS). DC Tier I RECs may be traded and used to meet DC Tier I RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The DC RPS has multiple classes of renewables depending on generation type. Tier I includes such resources as wind, landfill qualifying biomass and others.	2021, 1Y, 2Y, 3Y, 4Y, 5Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	Green-e Certifiable National Wind REC	Green-e certified renewable energy must be generated from new facilities that meet rigorous standards for environmental quality. The ultimate owner of the Green-e Wind REC owns the amount of wind generated.	1Y, 2Y, 3Y, 4Y, 5Y, 6Y, 7Y, 8Y	2015	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	Green-e Certifiable Texas Wind REC	Green-e certified renewable energy must be generated from new facilities that meet rigorous standards for environmental quality. The ultimate owner of the Green-e Texas Wind REC owns the amount of wind generated exclusively in the state of Texas.	1Y, 2Y, 3Y, 4Y, 5Y, 6Y, 7Y, 8Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	MA APS	The Massachusetts Alternative Energy Portfolio Standard is a mandatory market-based program which requires that a fraction of the electricity sold by the states retail electricity suppliers be generated using alternative energy technologies. Generators obtain AEC's (Alternative Energy Certificates) for the electricity they produce. AEC's are then sold to electricity suppliers.	1Y, 2Y, 3Y, 4Y, 5Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	MA CES	The Massachusetts Clean Energy Standard sets a minimum percentage of electricity sales the utilites and retail electricity suppliers must procure from clean energy sources. The ultimate owner would acquire Clean Energy Credits (CECs) or make alternative compliance payment.	1Y, 2Y, 3Y		1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	MA CES-E	The Massachusetts Clean Energy Standard sets a minimum percentage of electricity sales the utilites and retail electricity suppliers must procure from clean energy sources for existing resources. The ultimate owner would acquire Clean Energy Credits (CECs) or make alternative compliance payment.	1Y, 2Y, 3Y		1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.

	MA Class I	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Tier 1 renewable generator under the Massachusettes Renewable Portfolio Standard (RPS). MA Tier 1 RECs may be traded and used to meet MA Tier 1 RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The MA RPS has multiple classes of renewables depending on generation type.	1Y, 2Y, 3Y, 4Y, 5Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	MA Class II	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Tier 2 renewable generator under the Massachusettes Renewable Portfolio Standard (RPS). MA Tier 2 RECs may be traded and used to meet MA Tier 2 RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year.	1Y, 2Y, 3Y, 4Y	2011	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	MA Class II WTE	Massachusetts "Class II" Waste to Energy Renewable Energy Certificates (RECs)	1Y, 2Y, 3Y, 4Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	MA Solar II	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying renewable generator under the Massachusettes Renewable Portfolio Standard (RPS). MA Solar II RECs may be traded and used to meet MA Solar II RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year.	1Y, 2Y, 3Y, 4Y, 5Y	2014	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	MD Solar	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Solar renewable generator under the Maryland Renewable Portfolio Standard (RPS). MD SRECs may be traded and used to meet MD Solar RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The MD RPS has multiple classes of renewables depending on generation type. The Solar Class includes solar PV generating sources.	1Y, 2Y, 3Y, 4Y, 5Y, 6Y	2011	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	MD Tier I	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Tier 1 renewable generator under the Maryland Renewable Portfolio Standard (RPS). MD Tier 1 RECs may be traded and used to meet MD Tier 1 RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The MD RPS has multiple classes of renewables depending on generation type.	2021, 1Y, 2Y, 3Y, 4Y, 5Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	MD Tier II	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Tier 2 renewable generator under the Maryland Renewable Portfolio Standard (RPS). MD Tier 2 RECs may be traded and used to meet MD Tier 2 RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The MD RPS has multiple classes of renewables depending on generation type.	2021, 1Y, 2Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	ME Class I	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class I renewable generator under the Manie Renewable Portfolio Standard (RPS). ME Class I RECs may be traded and used to meet ME Class 1 RPS obligations during the compliance period, which begins Jan. 1 and ends Dec 31 of each vintage year (for clarity ME's program is on a calendar year basis which is quoted as the year in which the period ends. Calendar Year 2007 is defined as the compliance period of January 1, 2007 through December 31, 2007). The ME RPS has multiple classes of renewables depending on generation type. Class I includes such resources as wind, landfill qualifying biomass and others.	1Y, 2Y, 3Y, 4Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	ME Class IA	ME Class IA RECs is a resource defined under the Maine RPS as a "Class I resource other than a Class I resource that for at least 2 years was not operated or was not recognized by the New England Independent System Operator as a capacity resource."	1Y, 2Y, 3Y, 4Y		1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	ME Class II	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class II renewable generator under the Manie Renewable Portfolio Standard (RPS). ME Class II RECs may be traded and used to meet ME Class II RPS obligations during the compliance period, which begins Jan. 1 and ends Dec 31 of each vintage year (for clarity ME's program is on a calendar year basis which is quoted as the year in which the period ends. Calendar Year 2007 is defined as the compliance period of January 1, 2007 through December 31, 2007). Class II resources includes large scale hydro.	1Y, 2Y, 3Y, 4Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	NH Class I	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class I renewable generator under the New Hampshire Renewable Portfolio Standard (RPS). NH Class I RECs may be traded and used to meet NH Class 1 RPS obligations during the compliance period, which begins Jan. 1 and ends Dec 31 of each vintage year (for clarity NH's program is on a calendar year basis which is quoted as the year in which the period ends. Calendar Year 2007 is defined as the compliance period of January 1, 2007 through December 31, 2007). The NH RPS has multiple classes of renewables depending on generation type. Class I includes such resources as wind, landfill qualifying biomass and others.	1Y, 2Y, 3Y, 4Y, 5Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	NH Class II	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class II renewable generator under the New Hampshire Renewable Portfolio Standard (RPS). NH Class II RECs may be traded and used to meet NH Class II RPS obligations during the compliance period, which begins Jan. 1 and ends Dec 31 of each vintage year (for clarity NH's program is on a calendar year basis which is quoted as the year in which the period ends. Calendar Year 2007 is defined as the compliance period of January 1, 2007 through December 31, 2007). The NH RPS has multiple classes of renewables depending on generation type. Class II includes solar resources.	1Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	NH Class III	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class III renewable generator under the New Hampshire Renewable Portfolio Standard (RPS). NH Class III RECs may be traded and used to meet NH Class III RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The NH RPS has multiple classes of renewables depending on generation type. Class III includes such resources as energy efficiency projects and cogeneration applications.	1Y, 2Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	NH Class IV	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class IV renewable generator under the New Hampshire Renewable Portfolio Standard (RPS). NH Class IV RECs may be traded and used to meet NH Class IV RPS obligations during the compliance period, which begins Jan. 1 and ends Dec 31 of each vintage year (for clarity NH's program is on a calendar year basis which is quoted as the year in which the period ends. Calendar Year 2007 is defined as the compliance period of January 1, 2007 through December 31, 2007). The NH RPS has multiple classes of renewables depending on generation type. Class IV includes such resources as existing hydro.	1Y, 2Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	NJ Class I REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class I renewable generator under the New Jersey Renewable Portfolio Standard (RPS). NJ Class I RECs may be traded and used to meet NJ Class 1 RPS obligations during the compliance period, which begins Jun. 1 and ends May. 31 of each vintage year (for clarity NJ's program is on a reporting year basis which is quoted as the year in which the period ends. Reporting Year 2007 is defined as the compliance period of June 1, 2006 through May 31, 2007). The NJ RPS has multiple classes of renewables depending on generation type. Class I includes such resources as wind, landfill qualifying biomass and others.	2021, 1Y, 2Y, 3Y, 4Y, 5Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	NJ Class II REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Class II renewable generator under the New Jersey Renewable Portfolio Standard (RPS). NJ Class II RECs may be traded and used to meet NJ Class II RPS obligations during the compliance period, which begins Jun. 1 and ends May. 31 of each vintage year (for clarity NJ's program is on a reporting year basis which is quoted as the year in which the period ends. Reporting Year 2007 is defined as the compliance period of June 1, 2006 through May 31, 2007). The NJ RPS has multiple classes of renewables depending on generation type. Class II includes such resources as municipal solid waste and small hydro.	1Y, 2Y, 3Y, 4Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	NJ Solar REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying solar renewable generator under the New Jersey Renewable Portfolio Standard (RPS). NJ Class Solar RECs (SRECs) may be traded and used to meet NJ SREC RPS obligations during the compliance period, which begins Jun. 1 and ends May. 31 of each vintage year (for clarity NJ's program is on a reporting year basis which is quoted as the year in which the period ends. Reporting Year 2007 is defined as the compliance period of June 1, 2006 through May 31, 2007). The NJ RPS has multiple classes of renewables depending on generation type. The Solar Class includes solar PV generating sources.	2021, 1Y, 2Y, 3Y, 4Y, 5Y, 6Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.

	NY Tier I REC	NY Tier I RECs may be traded and used to meet NY Tier I RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. The NY RPS has multiple classes of renewables depending on generation type. Tier I refers to RECs that have been newly generated and come from the cleanest renewable resources.	2021, 1Y		1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	OH Non Solar REC	Non-Solar RECs are issued certificates eligible for generation of electricity based on renewable energy sources other than solar. Ohio Non-Solar certificates are sold to the obligated entities to meet their obligation for purchases from renewable energy sources that do not involve solar.	2021, 1Y, 2Y, 3Y, 4Y	2014	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	PA Solar REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying solar renewable generator under the Pennsylvania Renewable Portfolio Standard (RPS). PA Class Solar RECs (SRECs) may be traded and used to meet PA SREC RPS obligations during the compliance period, which begins Jun. 1 and ends May. 31 of each vintage year (for clarity PA's program is on a reporting year basis which is quoted as the year in which the period ends. Reporting Year 2007 is defined as the compliance period of June 1, 2006 through May 31, 2007). The PA RPS has multiple classes of renewables depending on generation type. The Solar Class includes solar PV generating sources.	2021, 1Y, 2Y, 3Y, 4Y, 5Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	PA Tier 1 REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Tier I renewable generator under the Pennsylvania Renewable Portfolio Standard (RPS). PA Tier I RECs may be traded and used to meet PA Tier I RPS obligations during the compliance period, which begins Jun. 1 and ends May. 31 of each vintage year (for clarity PA's program is on a reporting year basis which is quoted as the year in which the period ends. Reporting Year 2007 is defined as the compliance period of June 1, 2006 through May 31, 2007). The PA RPS has multiple classes of renewables depending on generation type. Tier I includes such resources as wind, landfill qualifying biomass and others.	2021, 1Y, 2Y, 3Y, 4Y, 5Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	PA Tier 2 REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying Tier II renewable generator under the Pennsylvania Renewable Portfolio Standard (RPS). PA Tier II RECs may be traded and used to meet PA Tier II RPS obligations during the compliance period, which begins Jun. 1 and ends May. 31 of each vintage year (for clarity PA's program is on a reporting year basis which is quoted as the year in which the period ends. Reporting Year 2007 is defined as the compliance period of June 1, 2006 through May 31, 2007). The PA RPS has multiple classes of renewables depending on generation type. Tier II includes such resources as municipal solid waste, waste coal generation and small hydro.	2021, 1Y, 2Y, 3Y, 4Y	2008	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	PJM TRI Qualified REC (NJ1/PA1/MD1)	Class 1 Renewable Energy Certificates, Tier 1 Renewable Energy Credits and Tier 1 Alternative Energy Credits. Where a Class I REC is an electronic certificate issued by the PJM Environmental Information System Generation Attribute Tracking System (PJM GATS) for generation in the Pennsylvania, New Jersey, and Maryland renewable portfolio standard programs.	2021, 1Y, 2Y, 3Y, 4Y, 5Y, 6Y	2014	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	RI "Existing" REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying renewable generator under the Rhode Island Renewable Portfolio Standard (RPS). RI RECs may be traded and used to meet RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. Eligible generation includes solar, wind, geothermal, tidal, ocean, small hydroelectric, qualifying biomass, and fuel cells powered by renewable sources. Pre 97	1Y, 2Y, 3Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	RI "NEW" REC	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying renewable generator under the Rhode Island Renewable Portfolio Standard (RPS). RI RECs may be traded and used to meet RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year. Eligible generation includes solar, wind, geothermal, tidal, ocean, small hydroelectric, qualifying biomass, and fuel cells powered by renewable sources. Post 97	1Y, 2Y, 3Y, 4Y, 5Y	2009	1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
	TX Solar	Renewable Energy Credits (RECs) represent the environmental attributes of one megawatt-hour of electricity generated from a qualifying renewable generator under the Texas Renewable Portfolio Standard (RPS). TX RECs may be traded and used to meet RPS obligations during the compliance period, which begins Jan. 1 and ends Dec. 31 of each vintage year and can be banked for use in three successive compliance years.	1Y, 2Y, 3Y, 4Y, 5Y		
	Virginia REC (Non Solar)	Non-Solar RECs are issued certificates eligible for generation of electricity based on renewable energy sources other than solar. Virginia Non-Solar certificates are sold to the obligated entities to meet their obligation for purchases from renewable energy sources that do not involve solar.	2021, 1Y, 2Y		1 REC = 1 megawatt-hour (MWh) of electricity generated from 1 renewable energy resource.
Coal	CSX -1%	ORIGIN: CSX Kanawha and/or Big Sandy Freight Districts; CONTRACT SIZE: Unit Trains of approximately 11,000 tons; BTU: 12,500 Btu/lb. with rejection below 12,200 Btu/lb.; MOISTURE: 7% typical; ASH: 12.0% with rejection above 13.5%; SO2: reject above 1.2 lbs. SO2 (compliance coal); reject above 1% sulfur (-1% sulfur); HGI: 42-45 typical, reject below 40; VOLATILE MATTER: Minimum 30%; SIZING: 2" x 0" with maximum 55% below 1/4"; INITIAL FUSION TEMP: 2,600 AFT typical; BTU ADJUSTMENT ($/ton): Price x ((Actual Btu/lb.-12,500)/12,500); DELIVERY POINT: FOB Railcar, mine, capable of loading 10,000 ton trains on 4hrs or less	Cal 22, Cal 23, Cal 24, Q4 21, Q1 22, Q2 22, Sep 21, Q3 22, 1M, 2M, 3M, Q4 22	2001	
	CSX -1% FS	Financially settled CSX -1% contract. Contract size: 1,000 tons. Settle monthly against the corresponding Platts OTC Broker index.	Cal 22, Cal 23, Cal 24, Q4 21, Q1 22, Q2 22, Sep 21, Q3 22, 1M, 2M, 3M, Q4 22	2004	
	NS -1%	ORIGIN: NS Kenova and/or Thacker (I) Freight Districts; CONTRACT SIZE: Unit Trains of approximately 10,000 tons; BTU: 12,500 Btu/lb. with rejection below 12,200 Btu/lb.; MOISTURE: 7% typical; ASH: 12.0% with rejection above 13.5%; SO2: reject above 1.2 lbs. SO2 (compliance coal); reject above 1% sulfur (-1% sulfur); HGI: 42-45 typical, reject below 40; VOLATILE MATTER: Minimum 30%; SIZING: 2" x 0" with maximum 55% below 1/4"; INITIAL FUSION TEMP: 2,600 AFT typical; BTU ADJUSTMENT ($/ton): Price x ((Actual Btu/lb.-12,500)/12,500); DELIVERY POINT: FOB Railcar, mine, capable of loading 10,000 ton trains on 4hrs or less	Cal 22, Cal 23, Cal 24, Q4 21, Sep 21, Q1 22, 1M, 2M, 3M, Q2 22, Q3 22, Q4 22	2000	
	NYMEX	ORIGIN: Central Appalachia; CONTRACT SIZE: 5 barges of 1,550 tons per month (7750 tons); BTU: 12,000 (as received) analysis tolerance of 250 btu/lb. below; ASH: 13.5% maximum (as received); SULFUR: 1.0% maximum with analysis tolerance of 0.05% above; MOISTURE: 10% maximum; VOLATILE MATTER: Minimum 30% with no analysis tolerance; HGI: Minimum 41 with three points analysis tolerance below; SIZING: Three inches topsize, nominal, with max. 55% passing one-quarter-inch-square sieve; DELIVERY: FOB Buyer's barge on the Ohio River betw, MP 306 and 317 or on the Big Sandy River. Sellers delivering Big Sandy shall receive a $.004 per mmBtu discount.; DELIVERY PERIOD: Delivery must conclude before last calendar day of the delivery month.; PRICE ADJUSTMENT: Btu: Price * ((Actual Btu/lb.-12,000)/12,000)	Cal 22, Cal 23, Cal 24, Q4 21, Sep 21, 1M, 2M, 3M, Q1 22, Q2 22, Q3 22, Q4 22	2000	
	NYMEX FS	Financially settled NYMEX contract. Contract size: 1,550 tons. Settle monthly against the corresponding Platts OTC Broker index.	Cal 22, Cal 23, Cal 24, Q4 21, Sep 21, 1M, 2M, 3M, Q1 22, Q2 22, Q3 22, Q4 22	2006	
	PRB8800	ORIGIN: Southern Powder River Basin excluding Jacobs Ranch; CONTRACT SIZE: Unit Trains of approximately 15,000 tons; BTU: 8,800 Btu/lb. with rejection below 8,600 Btu/lb.; MOISTURE: 27% with no rejection limit above; ASH: 5.5% with no rejection limit above; SO2: .80 lbs. SO2/mmBtu with reject above 1.2 lbs. SO2; SODIUM: 1.5% with no rejection limits; BTU ADJUSTMENT ($/ton): Price x ((Actual Btu/lb.-8,800)/8,800); SO2 ADJUSTMENT ($/ton): ((.80lbs SO2/mmBtu-Actual lbs. So2/mmBtu)*Actual Btu/lb.*Air Daily SO2 price)/1,000,000; DELIVERY POINT: FOB Railcar, mine, jointly served by both UP and BN railroads	Cal 22, Cal 23, Cal 24, Q4 21, Sep 21, 1M, 2M, 3M, Q1 22, Q2 22, Q3 22, Q4 22	2000	
	PRB8800 FS	Financially settled PRB 8800 contract. Contract size: 1,000 tons. Settle monthly against the corresponding Platts OTC Broker index	Cal 22, Cal 23, Cal 24, Q4 21, Sep 21, 1M, 2M, 3M, Q1 22, Q2 22, Q3 22, Q4 22	2004	
	PRB8400	ORIGIN: Southern Powder River Basin excluding Jacobs Ranch; CONTRACT SIZE: Unit Trains of approximately 15,000 tons; BTU: 8,400 Btu/lb. with rejection below 8,200 Btu/lb.; MOISTURE: 30% with no rejection limit above; ASH: 6.5% with no rejection limit above; SO2: .80 lbs. SO2/mmBtu with reject above 1.2 lbs. SO2; SODIUM: 1.5% with no rejection limits; BTU ADJUSTMENT: ($/ton) Price x ((Actual Btu/lb.-8,400)/8,400); SO2 ADJUSTMENT ($/ton): ((.80lbs SO2/mmBtu-Actual lbs. So2/mmBtu)*Actual Btu/lb.*Air Daily SO2 price)/1,000,000; DELIVERY POINT: FOB Railcar, mine, jointly served by both UP and BN railroads	Cal 22, Cal 23, Cal 24, Q4 21, Sep 21, 1M, 2M, 3M, Q1 22, Q2 22, Q3 22, Q4 22	2000	

	ILB 11500 3.0%	ORIGIN:Illinois Basin CME; BTU: 11,500 btu/lb standard gross calorific value, 11,100 btu/lb minimum (American Society for Testing and Materials ("A.S.T.M.") D5685); ASH:Maximum 12.00% (A.S.T.M. D3174); SULFUR:Maximum 3% (A.S.T.M. D4239); MOISTURE: Maximum 14.00% (A.S.T.M. D3302); VOLATILE MATTER: Minimum: 30.00%(A.S.T.M. D3175); GRINDABILITY: Minimum 50 Hardgrove Index (HGI) (A.S.T.M. D409); CHLORINE: Maximum 0.35% (A.S.T.M. D4208); ASH FUSION TEMPERATURE (AFT): 1,850 degrees Fahrenheit, as measured by initial deformation temperature (IDT), reducing atmosphere (A.S.T.M. D1857); SIZING: Three inches topsize, nominal, with maximum fifty five percent passing one quarter inch square wire cloth sieve to be determined basis the primary cutter of the mechanical sampling system. (A.S.T.M. D4749);	Cal 22, Cal 23, Cal 24, Q4 21, Sep 21, 1M, 2M, 3M, Q1 22, Q2 22, Q3 22, Q4 22	2017	
	ILB 11800 5.0%	ORIGIN:Illinois Basin CME; BTU: 11,500 btu/lb standard gross calorific value, 11,100 btu/lb minimum (American Society for Testing and Materials ("A.S.T.M.") D5685); ASH:Maximum 12.00% (A.S.T.M. D3174); SULFUR:Maximum 5% (A.S.T.M. D4239); MOISTURE: Maximum 14.00% (A.S.T.M. D3302); VOLATILE MATTER: Minimum: 30.00%(A.S.T.M. D3175); GRINDABILITY: Minimum 50 Hardgrove Index (HGI) (A.S.T.M. D409); CHLORINE: Maximum 0.35% (A.S.T.M. D4208); ASH FUSION TEMPERATURE (AFT): 1,850 degrees Fahrenheit, as measured by initial deformation temperature (IDT), reducing atmosphere (A.S.T.M. D1857); SIZING: Three inches topsize, nominal, with maximum fifty five percent passing one quarter inch square wire cloth sieve to be determined basis the primary cutter of the mechanical sampling system. (A.S.T.M. D4749);	Cal 22, Cal 23, Cal 24, Q4 21, Sep 21, 1M, 2M, 3M, Q1 22, Q2 22, Q3 22, Q4 22	2018	
	ILB FOB NOLA 6000 3.0%	ORIGIN:Illinois Basin CME; BTU: 11,500 btu/lb standard gross calorific value, 11,100 btu/lb minimum (American Society for Testing and Materials ("A.S.T.M.") D5685); ASH:Maximum 12.00% (A.S.T.M. D3174); SULFUR:Maximum 3% (A.S.T.M. D4239); MOISTURE: Maximum 14.00% (A.S.T.M. D3302); VOLATILE MATTER: Minimum: 30.00%(A.S.T.M. D3175); GRINDABILITY: Minimum 50 Hardgrove Index (HGI) (A.S.T.M. D409); CHLORINE: Maximum 0.35% (A.S.T.M. D4208); ASH FUSION TEMPERATURE (AFT): 1,850 degrees Fahrenheit, as measured by initial deformation temperature (IDT), reducing atmosphere (A.S.T.M. D1857); SIZING: Three inches topsize, nominal, with maximum fifty five percent passing one quarter inch square wire cloth sieve to be determined basis the primary cutter of the mechanical sampling system. (A.S.T.M. D4749);	Cal 22, Cal 23, Cal 24, Q4 21, Sep 21, 1M, 2M, 3M, Q1 22, Q2 22, Q3 22, Q4 22	2018	
Nuclear Fuels	Conversion	The conversion of uranium into UF6, which can then be enriched and fabricated into fuel rods.	Q3 21, Q4 21, Q1 22, Q2 22, Q3 22, Q4 22, Q1 23, Q2 23	2006	
	Location Swaps	A trade in the differential value of enrichment of uranium between various enrichment facilitites.	Cal 21	2009	
	Nymex Uranium Swaps	Uranium swaps are a hedging tool for producers and users of uranium, and provide a transparent forward price mechanism for the volatile uranium marketplace.	Q2 23, Q3 23, Q4 23, Q1 24, Q2 24, Q3 24, Q1 25, Sep 21, Q3 25, 1M, 2M, 3M, Q4 25, Jan 22, Feb 22, Mar 22, Q1 26, Apr 22, May 22, Jun 22, Q2 26, Jul 22, Aug 22, Sep 22, Q3 26, Oct 22, Nov 22, Dec 22, Q4 26, Jan 23 Feb 23, Mar 23, Q1 27, Apr 23, May 23	2008	
	SWU	Separative Work Unit (SWU)	Q4 21, Q1 22, Q2 22, Q3 22, Q4 22, Q1 23, Q2 23, Q3 23, Q4 23, Q1 24, Q2 24, Q3 24	2006	
	U3O8	Trades in the physical underlying commodity of uranium.	Q2 23, Q3 23, Q4 23, Q1 24, Q2 24, Q3 24, Q1 25, Sep 21, Q3 25, 1M, 2M, 3M, Q4 25, Jan 22, Feb 22, Mar 22, Q1 26, Apr 22, May 22, Jun 22, Q2 26, Jul 22, Aug 22, Sep 22, Q3 26, Oct 22, Nov 22, Dec 22, Q4 26, Jan 23 Feb 23, Mar 23, Q1 27, Apr 23, May 23	2006	
	UF6	Trades in the physical product of UF6 and conversion contained in UF6.	Q2 23, Q3 23, Q4 23, Q1 24, Q2 24, Q3 24, Q1 25, Sep 21, Q3 25, 1M, 2M, 3M, Q4 25, Jan 22, Feb 22, Mar 22, Q1 26, Apr 22, May 22, Jun 22, Q2 26, Jul 22, Aug 22, Sep 22, Q3 26, Oct 22, Nov 22, Dec 22, Q4 26, Jan 23 Feb 23, Mar 23, Q1 27, Apr 23, May 23	2006	
ERCOT	Houston 2x16	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. Houston 2x16 refers to Houston power trades on the weekends and holidays, 16 daytime hours per day.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	Houston 7x16	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. Houston 7x16 refers to Houston power trades for the 7 days per week, 16 daytime hours per day.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	Houston 7x8	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. Houston 7x8 refers to Houston power trades for the 7 days per week, 8 nighttime hours per day.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	Houston ATC	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. Houston ATC refers to Around the Clock. Continuously throughout the entire day and night.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	Houston Peak	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. Houston Peak refers to Monday through Friday between 7 a.m. and 11 p.m., when electricity is consumed the most throughout the United States.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	Houston Wrap	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. Houston Wrap refers to off-peak trading hours. Off-peak hours go from midnight to 7 a.m. Monday-Sunday.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	North 2x16	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. North 2x16 refers to North Texas power trades on the weekends and holidays, 16 daytime hours per day.	Winter 22, Spring 22, May 22, Jun 22, Summer 22, Sep 22, Q4 22, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, 1M, 2M, 3M, Oct-Dec 21	2021	
	North 7x16	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. North 7x16 refers to North Texas power trades for the 7 days per week, 16 daytime hours per day.	Winter 22, Spring 22, May 22, Jun 22, Summer 22, Sep 22, Q4 22, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, 1M, 2M, 3M, Oct-Dec 21	2021	
	North 7x8	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. North 7x8 refers to North Texas power trades for the 7 days per week, 8 nighttime hours per day.	Winter 22, Spring 22, May 22, Jun 22, Summer 22, Sep 22, Q4 22, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, 1M, 2M, 3M, Oct-Dec 21	2021	
	North ATC	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. North ATC refers to Around the Clock. Continuously throughout the entire day and night.	Winter 22, Spring 22, May 22, Jun 22, Summer 22, Sep 22, Q4 22, Winter 23, Spring 23, May 23, Jun 23, Summer 23, Sep 23, Q4 23, Winter 24, Spring 24, May 24, Jun 24, Summer 24, Sep 24, Q4 24, Cal 22, Cal 23, Cal 24, Winter 25, Spring 25, May 25, Jun 25, Summer 25, Sep 25, Q4 25, Winter 26, Spring 26, May 26, Jun 26, Summer 26, Sep 26, Q4 26, Cal 25, Cal 26, Cal 27, Winter 28, Spring 28, May 28, Jun 28, Summer 28, Sep 28, Q4 28, Cal 28, 1M, 2M, 3M, Oct-Dec 21, Winter 27, Spring 27, May 27, Jun 27, Summer 27, Sep 27, Q4 27	2021	

	North Peak	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. North Peak refers to Monday through Friday between 7 a.m. and 11 p.m., when electricity is consumed the most throughout the United States.	Winter 22, Spring 22, May 22, Jun 22, Summer 22, Sep 22, Q4 22, Winter 23, Spring 23, May 23, Jun 23, Summer 23, Sep 23, Q4 23, Winter 24, Spring 24, May 24, Jun 24, Summer 24, Sep 24, Q4 24, Cal 22, Cal 23, Cal 24, Winter 25, Spring 25, May 25, Jun 25, Summer 25, Sep 25, Q4 25, Winter 26, Spring 26, May 26, Jun 26, Summer 26, Sep 26, Q4 26, Cal 25, Cal 26, Cal 27, Winter 28, Spring 28, May 28, Jun 28, Summer 28, Sep 28, Q4 28, Cal 28, 1M, 2M, 3M, Oct-Dec 21, Winter 27, Spring 27, May 27, Jun 27, Summer 27, Sep 27, Q4 27	2021	
	North Wrap	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. North Wrap refers to off-peak trading hours. Off-peak hours go from midnight to 7 a.m. Monday-Sunday.	Winter 22, Spring 22, May 22, Jun 22, Summer 22, Sep 22, Q4 22, Winter 23, Spring 23, May 23, Jun 23, Summer 23, Sep 23, Q4 23, Winter 24, Spring 24, May 24, Jun 24, Summer 24, Sep 24, Q4 24, Cal 22, Cal 23, Cal 24, Winter 25, Spring 25, May 25, Jun 25, Summer 25, Sep 25, Q4 25, Winter 26, Spring 26, May 26, Jun 26, Summer 26, Sep 26, Q4 26, Cal 25, Cal 26, Cal 27, Winter 28, Spring 28, May 28, Jun 28, Summer 28, Sep 28, Q4 28, Cal 28, 1M, 2M, 3M, Oct-Dec 21, Winter 27, Spring 27, May 27, Jun 27, Summer 27, Sep 27, Q4 27	2021	
	South 2x16	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. South 2x16 refers to South Texas power trades on the weekends and holidays, 16 daytime hours per day.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	South 7x16	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. South 7x16 refers to South Texas power trades for the 7 days per week, 16 daytime hours per day.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	South 7x8	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. South 7x8 refers to South Texas power trades for the 7 days per week, 8 nighttime hours per day.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	South ATC	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. South ATC refers to Around the Clock. Continuously throughout the entire day and night.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	South Peak	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. South Peak refers to Monday through Friday between 7 a.m. and 11 p.m., when electricity is consumed the most throughout the United States.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
	South Wrap	The Electric Reliability Council of Texas (ERCOT) Markets consist of 4 trading zones. Houston, North, South, and West. South Wrap refers to off-peak trading hours. Off-peak hours go from midnight to 7 a.m. Monday-Sunday.	Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Cal 28, Oct-Dec 21	2021	
Natural Gas Basis	GATE	PG&E Citygate located outside of Sacremento in California.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	AECO	Alberta Energy Company is the Canadian benchmark price for natural gas	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	SOCAL	Socals service territory encompasses approximately 24,000 square miles in diverse terrain throughout Central and Southern California, from Visalia to the Mexican border.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	

	SCL-GCT	SoCal Citygate is located in California right outside of Los Angeles.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	MALIN	Malin Hub is located in southern boarder of Oregon	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	ROX	Gas trading pipeline in the Rockies area.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	CIG	Gas Hub located in the Rockies	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	SUMAS	Northwest canadian boarder located in Washington	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	SAN JUAN	Gas Hub located in New Mexico	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	

	PERM	Permian is located in Northwest Mexico / Southwest US	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	WAHA	Gas Hub located within the Permian Basin in West Texas	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	SHIP	Houston Ship Channel is located north end of the Galveston Bay to the channels turning basin	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	TEXOK	Gas Zone from Montgomery County, Texas to Carter County, Oklahoma	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	REX Z3	Deliveries off of Rockies Express Pipeline into other pipelines in zone 3.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	PAN	Panhandle Zone Pipeline starts in Texas and goes through OK,KS, MO,IL,IN,OH,MI	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	

	MCO	NGPL Midcontinent is located in southwest Kansas.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	ANR OK	ANR Pipeline System Company transports Natural Gas in Oklahoma	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	S STAR	Southern Star Index includes Texas, Oklahoma and Kansas	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	ENABLE	Enable Gas Transmission System includes deliveries into six distinct pooling areas. The six Pooling Areas are the Flex or Neutral Pooling area, the North Pooling Area, the South Pooling Area, the Line CP Pooling Area, and the West 1 and West 2 Pooling Areas.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	DMARC	Northern Natural Demarc Description: Deals transacted at NNG's Demarcation point, which is the pooling point that separates NNG into its Field and Market zones. This is pooling point/Mileage Indicator District (MID) point 16B as defined in NNG's Rate Schedule MPS: MID Pooling Services rate schedule. The point itself is located in Clay County, KS.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	VENT	Deliveries at the Ventura pooling point on Northern Natural Gas in Hancock County, IA.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	

	CHI	Chicago Citygate Gas Pipeline in Chicago Illinois	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	MICH	Michigan Consolidated Gas Pipeline	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
	DAWN	Gas traded at Union Gas' Dawn Hub in Dawn Township, Ontario.	Oct 21, Q4 21, Winter 21, Nov-Dec 21, Q1 22, Summer 22, Winter 22, Nov-Dec 22, Q1 23, Summer 23, Winter 23, Nov-Dec 23, Q1 24, Summer 24, Winter 24, Nov-Dec 24, Q1 25, Summer 25, Winter 25, Nov-Dec 25, Q1 26, Summer 26, Winter 26, Nov-Dec 26, Q1 27, Summer 27, Winter 27, Nov-Dec 27, Cal 22, Cal 23, Cal 24, Cal 25, Cal 26, Cal 27, Nov 21-Oct22, Apr 22-Mar23, Nov22-Oct23, Apr23-Mar24, Nov23-Oct24, Apr24-Mar25, Nov24-Oct25, Apr25-Mar26, Nov25-Oct26, Apr26-Mar27, 2M, 3M, 4M, 5M, 6M, Q2 22, Q3 22, Q4 22, Oct 22, Dec21-Mar22	2021	
Natural Gas Index	Socal Index Futures	Socal is the Southern California Gas service territory. Index: NGI Southwest: SoCal Gas: Midpoint	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Socal Ehrenberg Physical Index	Deliveries into the Southern California Gas system Southern Zone via El Paso Natural Gas at Ehrenberg, CA.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	El Paso South Mainline Physical Index	Deliveries on El Paso's south mainline at points between Cornudas station in West Texas to but not including Ehrenberg, AZ.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Kern Delivered Physical Index	Deliveries on Kern River Pipelines extending from southwestern Wyoming to Bakersfield, California.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Socal Wheeler Ridge Physical Index	Deliveries into Wheeler Ridge, Califronia zone which includes transactions from Kern River/Mojave, and from PG&E at Kern River Station.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Socal Kramer Physical Index	Transactions received into Southern California Gas from the Kern River/Mojave system at Kramer Junction, CA.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Socal KRS Physical Index	Transactions received into Southern California Gas From the Kern River Station.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	PGE Topock Physical Index	Transactions received into the The Pacific Gas & Electric (PG&E) Topock Compressor Station (Site) located approximately 15 miles southeast of Needles, California, in San Bernardino County	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Socal Needles Physical Index	Delieveries into the Southern California Gas system in Needles, California.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Socal City Gate Physical Index	Deliveries to customers behind Southern California Gas' local distribution system in Southern California	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	PGE City Gate Index Futures	PGE Citygate is PG&E's local distribution system in Northern California.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	PGE City Gate Physical Index	Delieveries into the PG&E system in Northern California.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Malin Index Futures	Malin is the natural gas pipeline in Malin, Oregon.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	GTN Malin Physical Index	Deliveries from TransCanada's GTN Pipeline and El Paso/Kinder Morgan's Ruby Pipeline into PG&E's Redwood Path at Malin, Oregon.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Ruby-Onyx Hill Physical Index	Deliveries into the Ruby pipeline in Onyx Hills, California.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Perm Index Futures	Perm is the natural gas pipeline in the Permian Basin, Located in Northwest Mexico / Texas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Permian Keystone Physical Index	Deliveries into the Keystone pipeline in the Permian Basin, Locatied in Northwest Mexico / Texas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	EP Waha Pool Physical Index	Delieveries into the Waha Pool Permian Basin Area near El Paso, Texas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Permian Keystone Physical Index	Deliveries into the Keystone pipeline in the Permian Basin, Locatied in Northwest Mexico / Texas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	EP Waha Pool Physical Index	Delieveries into the Waha Pool Permian Basin Area near El Paso, Texas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Waha Index Futures	Waha is located within the Permian Basin in West Texas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Waha Hub Physical Index	Deliveries into the Waha hub located within the Permian Basin in West Texas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Oasis Waha Pool Physical Index	Deliveries into the Oasis Waha Pipeline located in Southeast Texas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	San Juan Index Futures	San Juan pipeline is located in Northwest New Mexico.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Bondad Station Physical Index	Deliveries into the Bondad Station Pool located in the San Juan Basin, in New Mexico/Texas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	TW Blanco Physical Index	Deliveries into the TW-Blanco Transwestern Pipeline Company located in the San Juan Blanco Pool in New Mexico.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Rox Index Futures	ROX location is in the Northwest Pipeline Corporation in the Rocky Mountains.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Kern Receipt Physical Index	Reciepts the the Kern River Pipeline starting from Southwest Wyoming and Ending in Bakerfield, California.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Opal Physical Index	Transactions within the Kern River Fuel Zone, which includes the Hams Fork interconnect with Dominion Overthrust; Muddy Creek Compressor Station, Pool and interconnects with CIG and Northwest Pipeline; Opal Plant; Overland Trail interconnect; Pioneer Plant; Rendezvous Pipeline Plant/interconnect; Roberson Creek interconnect with Dominion Overthrust, and KRGT Virtual Receipts.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	CIG Index Futures	CIG hub is located in the Rockies.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	CIG Physical Index	Deliveries into the CIG pipeline Hub located in the Rockies.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Cheyenne Physical Index	Deliveries in the Cheyenne location owned and operated by Kinder Morgan which runs from the Wyoming-Colorodo border to South Central Kansas.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	

	Rex Compression Pool Index	Deliveries into the Rockies Express Pipeline (REX).	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Rocky Mountain Pool Physical Index	Deliveries into the Rocky Mountain Pool located in the Rockies.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	White River Hub Physical Index	Deliveries into the White River Hub located in Northwest Colorado, and is actually the combination between Enterprise's Meeker, CO Processing Plant and pipeline interconnections with Questar Pipeline, Rockies Express, TransColorado, Colorado Interstate Gas, Wyoming Interstate Company, Northwest Pipeline, and Williams Field Services' Parachute Lateral.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Wyoming Pool Physical Index	Deliveries into the Wyoming Natural Gas Hub.	1M, Winter 21, Summer 22, Winter 22, Summer 23	2021	
	Opal Physical Index	Transactions within the Kern River Fuel Zone, which includes the Hams Fork interconnect with Dominion Overthrust; Muddy Creek Compressor Station, Pool and interconnects with CIG and Northwest Pipeline; Opal Plant; Overland Trail interconnect; Pioneer Plant; Rendezvous Pipeline Plant/interconnect; Roberson Creek interconnect with Dominion Overthrust, and KRGT Virtual Receipts.	Exchange & OTC	2021	
	CIG Index Futures	CIG hub is located in the Rockies.	Exchange & OTC	2021	
	CIG Physical Index	Deliveries into the CIG pipeline Hub located in the Rockies.	Exchange & OTC	2021	
	Cheyenne Physical Index	Deliveries in the Cheyenne location owned and operated by Kinder Morgan which runs from the Wyoming-Colorodo border to South Central Kansas.	Exchange & OTC	2021	
	Rex Compression Pool Index	Deliveries into the Rockies Express Pipeline (REX).	Exchange & OTC		
	Rocky Mountain Pool Physical Index	Deliveries into the Rocky Mountain Pool located in the Rockies.	Exchange & OTC		
	White River Hub Physical Index	Deliveries into the White River Hub located in Northwest Colorado, and is actually the combination between Enterprise's Meeker, CO Processing Plant and pipeline interconnections with Questar Pipeline, Rockies Express, TransColorado, Colorado Interstate Gas, Wyoming Interstate Company, Northwest Pipeline, and Williams Field Services' Parachute Lateral.	Exchange & OTC		
	Wyoming Pool Physical Index	Deliveries into the Wyoming Natural Gas Hub.	Exchange & OTC		