

# FOSSIL FUEL INVESTMENTS – LARGEST PRIVATE EQUITY MANAGERS



The following data is a survey of fossil fuel investments, including upstream, midstream, and downstream investments as well as fossil fuel-fired power generation by the largest private equity, private infrastructure, and energy-focused private equity managers by assets under management. While there are many other private asset managers that invest in fossil fuels, the below asset managers represent some of the largest.

Note: As private equity investments are often not disclosed publicly, the data inevitably contains errors or companies that have been exited. The data was gathered primarily using Pitchbook.

## ASSET MANAGERS COVERED

### DIVERSIFIED PRIVATE FUNDS MANAGERS

- Blackstone Group
- Apollo Global Management
- Carlyle Group
- KKR & Co
- Ares Management
- Oaktree Capital (part of Brookfield Asset Management)
- TPG Capital
- CVC Capital
- Warburg Pincus

### PRIVATE INFRASTRUCTURE MANAGERS

- Macquarie Infrastructure & Real Assets
- Brookfield Asset Management
- Global Infrastructure Partners
- IFM Investors
- Stonepeak Partners
- iSquared Capital

### ENERGY-FOCUSED PRIVATE EQUITY MANAGERS

- Kayne Anderson Capital Partners
- Riverstone Holdings
- Encap Investments
- Energy Capital Partners
- ArcLight Capital Partners
- NGP Energy Capital Management (owned by Carlyle Group)
- Quantum Energy Partners

## Asset Manager: Blackstone Group

AUM: \$571 billion

Company	Type	Description	Acquired	Location(s)
Tallgrass Energy	Midstream	Tallgrass operates and has participating interests in some of the more strategically important midstream assets in the Bakken and Rockies (the REX and Pony Express lines, for example)	Mar-20	US
Targa Badlands	Midstream	Pipeline assets located in the Bakken and Three Forks Shale regions	Feb-19	North Dakota
Zarou	Upstream	Operator and developer of renewable energy, oil and gas midstream, water	Oct-18	Middle East and North Africa (MENA)
Ultrerra Drilling Technologies	Services	Designer and manufacturer of oilfield equipment.	Oct-18	Texas
Mime Petroleum	Upstream	Operator of an energy exploration company	Jan-18	Norwegian Continental Shelf
Rover Pipeline	Midstream	Operator of an approximately 700 mile pipeline designed to transport 3.25 billion cubic feet of natural gas per day.	Oct-17	Marcellus and Utica Shale
EagleClaw Midstream Ventures	Midstream	Provider of midstream energy services.	Sep-18	Permian Basin (TX)
Vine Resources (Vine Oil & Gas)	Upstream	Operator of oil and natural gas exploration and production company.	Apr-17	Haynesville Basin of Northwest Louisiana
Gavilan Resources	Upstream	Oil and gas production assets	Mar-17	Western Eagle Ford (South Texas)
Lightstone Generation - Midwest Power Plants (2 natural gas, 1 coal fired power plant) (w/ ArcLight Capital)	Power generation	Power generation	Jan-17	Ohio, Indiana
Siccar Point Energy	Upstream	Explorer of crude oil and natural gas.	Jan-14	United Kingdom
Jetta Permian	Upstream	Explorer of oil and gas.	Aug-16	Delaware Basin (West Texas, Southern NM)
Huntley & Huntley	Upstream	Operator of oil and natural gas exploration and production company.	Apr-16	Pennsylvania
Guidon Energy	Upstream	Operator of a shale development company focused	Apr-16	Midland Basin
Osum Oil Sands Corp	Upstream	Operator of an energy company engaged in Canadian oil sands development.	Aug-14	Cold Lake region, Canada

Beacon Offshore Energy	Upstream	exploration and production company focused on exploring, developing, acquiring and operating upstream oil and gas properties in the deepwater Gulf of Mexico	Jan-16	Gulf of Mexico
GridLiance	Energy transmission	Owner and operator of an electric transmission company	Mar-15	US
Black Rhino	Midstream	Infrastructure development company focused on Africa	Jul-14	Africa
FourPoint Energy	Upstream	Provider of oil and gas exploration and production services intended to develop oil and natural gas assets.	Jun-14	Texas
Sabine Pass Liquefaction Project (Cheniere Energy)	Downstream	A Liquefied Natural Gas (LNG) plant located in Louisiana	May-12	Louisiana
Fisterra Energy	Midstream	Investor in energy and infrastructure operations with an emphasis on oil and gas.	Jan-13	Europe
LLOG Exploration	Upstream	Provider of a platform for oil and gas exploration and production	Nov-12	Gulf of Mexico
Alta Energy Partners	Upstream	Owner and developer of oil and gas assets in North America.	Apr-11	Texas
Kosmos Energy	Upstream	Provider of oil and gas exploration and production company focused on frontier and emerging areas along the Atlantic Margin.	Jun-08	West Africa
Sithe Global Power	Power generation	Owner and operator of electric generation facilities.	Oct-05	Global

## Asset Manager: Apollo Global Management

AUM: \$331 billion

Company	Type	Description	Acquired	Location(s)
SPX Flow Power and Energy Business	Equipment	Manufacturer of industrial parts and components for oil & gas, nuclear and other conventional power industries.	Nov-19	US
Clearway Energy	Power generation	Clearway Energy Inc, formerly NRG Yield Inc is an electric utility company that owns, operates, and acquires contracted renewable and conventional energy generation and thermal infrastructure assets across the U.S.	Mar-19	US
GE Energy Financial Services/ Investment portfolio	Power generation, midstream	About 20 investments in renewable energy and other U.S. power assets	Oct-18	US
Freestone Midstream	Services	The company focuses on acquisition and development of water assets serving the oil and gas industry	Aug-18	Powder River Basin
Double Eagle Energy	Upstream	Owner and operator of oil and gas properties.	Feb-18	Permian Basin
Spartan Energy Acquisition	Upstream	Blank check company	Jan-18	
Northwoods Energy	Upstream	Owner and operator of oil and gas assets in the United States.	Jan-18	Powder River Basin
Chisholm Oil & Gas	Upstream	The company explores and develops oil and gas properties in Oklahoma.	Mar-17	Oklahoma
American Petroleum Partners	Upstream	Operator of an exploration and production company.	Sep-15	Eastern US (Utica and Marcellus shales)
Resource Energy Partners	Upstream	Portfolio of energy production assets in Williston Basin, North Dakota.	Jan-15	North Dakota
Express Energy Services	Services	Provider of rental equipment and support services to the oil and gas industry.	Nov-14	
Jupiter Resources	Upstream	Owner of oil and gas exploration and production company	Sep-14	Canada

Energy & Exploration Partners	Upstream	18,300 acres of energy exploration located in Houston and Madison Counties, Texas.	Jul-14	Texas
Caelus Energy	Upstream	Explorer of oil and gas in Alaska.	Apr-14	Alaska
NRI Management Group	Mining	Provider of coal, iron ore and other bulk minerals mining services.	Jan-13	
EP Energy Global	Upstream	Exploration and production company engaged in the acquisition and development of unconventional onshore oil and natural gas properties.	May-12	US
Talos Energy (NYS: TALO)	Upstream	The company engages in the exploration, development and production of oil and natural gas properties.	Apr-12	Gulf of Mexico
Zenergy	Upstream	Acquirer and developer of oil and natural gas properties.	Jun-04	Oklahoma, Arkansas, Louisiana and Texas

## Asset Manager: Carlyle Group

AUM: \$224 billion

Company	Type	Description	Acquired	Location(s)
Compañía Española de Petróleos (CEPSA)	Downstream	Operator of a Spanish energy company engaged in the exploration and production of crude oil.	Oct-19	Spain
Altus Midstream	Midstream	Owns natural gas gathering, processing, and transmission assets including transmission and gathering pipelines, compressor stations, mechanical refrigeration units, cryogenic units and associated gas treatment facilities	Jun-19	Permian Basin of West Texas
Stratum Reservoir	Services	Provider of laboratory services intended to deliver scientific insights about the rocks and fluids prevalent in all natural resources.	Apr-19	
Emera New England Gas-Fired Generation Facilities	Power generation	A portfolio of three natural gas-fired power generation facilities in New England	Mar-19	New England
Crimson Midstream	Midstream	Provider of crude oil transportation and storage services	Jan-19	California, Louisiana, and offshore Gulf of Mexico.
EnerMech Group Ltd.	Services		Dec-18	Europe
Lone Star Ports	Midstream	Developer of a crude oil export terminal.	Oct-18	Texas
Diamondback Energy and Carlyle (Joint Venture)	Upstream	Developer of oil and gas assets	Sep-18	San Pedro area of Pecos County, Texas (Permian Basin)
COG Energy	Upstream	The company is primarily engaged in the production and exploration of light and medium-light oil from various oil basins in South America.	Dec-17	Colombia
Black Stone Minerals	Upstream	Black Stone Minerals LP is a US-based oil and natural gas mineral company.	Nov-17	
Hilcorp Energy	Upstream	Producer of oil and natural gas. The company operates an oil and natural gas exploration and production fields in the United States.	Jul-17	Gulf Coast of Texas and Louisiana, Northeast United States, Alaska's Cook Inlet and North Slope

Elgin Energy Center	Power generation	A 484-megawatt power generation facility located in Elgin.	Jul-17	Illinois
LS Power (Rocky Road and Tilton facilities)	Power generation	A portfolio of two natural gas-fired power generation facility in Illinois.	Jul-17	Illinois
Chesapeake Energy Corporation	Upstream	Chesapeake Energy Corp is a US-based exploration and production company.	Jun-17	Pennsylvania, Ohio, Louisiana, Texas, Oklahoma, Wyoming
EOG Resources	Upstream	EOG Resources is an oil and gas producer with acreage in several U.S. shale plays, including the Permian Basin, the Eagle Ford, and the Bakken.	May-17	Permian Basin, the Eagle Ford, and the Bakken.
Assala Energy	Upstream	Operator of an oil and gas, exploration and production company.	Jan-17	
RelaDyne	Downstream		Jan-19	
Mazarine Energy	Upstream	Operator of private oil and gas exploration and production company.	May-16	Europe
Shell Tongyi (Beijing) Petroleum Chemical	Downstream	Manufacturer of petrochemical products.	Nov-15	China
Black Sea Oil & Gas	Upstream	Provider of offshore drilling and energy infrastructure construction services	Aug-15	Romanian Black Sea
Neptune Energy	Upstream	Operator of an independent oil and gas exploration and production company.	Jun-15	North Sea, North Africa and SouthEast Asia
Magna Energy	Upstream	Operator of an oil and gas development and production company. The company is focused on securing local licenses and building acreage positions in the Indian subcontinent.	Jun-15	Indian subcontinent
NGP Energy Capital	Energy investment	Provider of private equity investment services intended for growth of companies. The company's private equity investment services include direct equity investments in the energy sector, enabling the companies to get support and resources	Jan-15	Global
Southeast PowerGen	Power generation	Operator of natural gas-fired plants.	Dec-14	Southeast US

Varo Energy	Midstream, downstream	Operator of the oil refineries and related marketing, storage and pipeline assets in Europe	Dec-13	Europe
Discover Exploration	Upstream	Provider of energy-exploration services.	Dec-13	Sub-Saharan Africa, Indian Ocean
Midway Peaking	Power generation	A 120 MW simple-cycle peaking plant.	Dec-13	California
Cogentrix Energy Power Management	Power generation	Developer and owner of power generation assets.	Jun-13	US
Philadelphia Energy Solutions	Downstream	Operator of two domestic refineries - Girard Point and Point Breeze in South Philadelphia.	Sep-12	Pennsylvania
Legend Production	Upstream	Owner and operator of 390 oil producing wells and approximately 52,000 net acres in the Fort Worth Basin of Texas.	May-11	Fort Worth Basin of Texas.



**Asset Manager: KKR & Co.**

AUM: \$218 billion

Company	Type	Description	Acquired	Location(s)
Coastal Gaslink Pipeline	Midstream	670 kilometers pipeline project delivering natural gas across Northern British Columbia.	Dec-19	Canada
Abu Dhabi National Oil Company pipelines	Midstream	18 pipelines transporting crude oil and condensates	Jun-19	Abu Dhabi
Spur Energy Partners	Upstream	Operator of an oil and gas assets company.	May-19	New Mexico
Williston Basin Oil and Gas Assets	Upstream	Producing and undeveloped oil and gas assets in the Williston Basin	May-19	Montana
JBF Petrochemicals	Petrochemical	The company's chemicals are used across industries such as paints and polyester fiber.	Aug-18	India
SemCAMS Midstream	Midstream	Operator of natural gas processing plants in Canada.	Jan-19	Canada
LCY Chemical	Petrochemical	LCY Chemical Corp manufactures and sells a variety of chemicals, plastics, and chemical-based products.	Jan-19	Taiwan
Discovery Midstream Partners	Midstream	Operator of a full-service midstream oil and gas company.	Jul-18	Texas
Joulon	Services	The company provides individual products and integrated end to end asset management services to the oil and gas industry in United Arab Emirates and worldwide.	Dec-17	United Arab Emirates
NextEra Energy Partners	Midstream, renewable	NextEra Energy Partners LP is a limited partnership formed to acquire, manage and own contracted clean energy projects. It owns interests in wind and solar projects in North America, as well as natural gas infrastructure assets in Texas.	Sep-17	North America
Covey Park Energy	Upstream	Operator and explorer of oil and gas reserves.	Feb-17	ArkLaTex, Permian and MidContinent regions

Venado Oil & Gas	Upstream	Operator of oil and gas exploration company in the United States.	Oct-16	Texas
Sirti	Services, Power transmission	Provider of service development services in telecommunications, transport, energy and technological infrastructure markets.	Aug-16	
Trans European Oil & Gas	Upstream	Developer and operator of oil and gas properties.	Nov-15	Europe
Monterra Energy (Developer and builder of midstream infrastructure)	Midstream	Developer and builder of midstream infrastructure.	May-15	Texas
Mandala Energy	Upstream	Operator of an oil and gas exploration and production company in Singapore.	Mar-15	Southeast Asia
Montage Resources	Upstream	Exploration and production company	Feb-15	Ohio, Pennsylvania, West Virginia
Veresen Midstream	Midstream	The company offers transportation, processing and logistic services for natural gas resources.	Dec-14	British Columbia
OEG Offshore	Services	Provider of offshore cargo carrying units and equipment for the oil and gas industry.	Jul-14	
Longview Power	Power generation	Operator of a coal-powered energy generation unit.	Mar-14	Pennsylvania
Fleur de Lis Energy	Upstream	Fleur de Lis Energy is a private energy firm that engages in the acquisition, exploitation and production of conventional and unconventional oil and gas assets in North America.	Mar-14	North America
Torq Energy Logistics	Midstream	Operator of transloading terminals in Canada.	Dec-13	Canada
FlowStream Commodities	Upstream	Developer of oil and gas streams.	Oct-13	
EXCO Resources	Upstream	EXCO Resources Inc is an oil and gas exploration and production company.	Jul-13	Texas, Louisiana, and the Appalachian region
Haymaker Minerals & Royalties	Upstream	Operator of oil and gas wells. The company primarily focuses on purchasing minerals and royalties from all types of mineral owners.	May-13	

Westbrick Energy	Upstream	Provider energy exploration services.	Nov-12	Canada
Acteon Group	Services	Provider of subsea services to the offshore oil and gas industry.	Oct-12	
Comstock Resources	Upstream	Comstock Resources Inc is engaged in the acquisition, development, production, and exploration of oil and natural gas.	Jul-12	Texas
Portfolio of oil and gas properties in Texas, Mississippi and Louisiana	Upstream		Feb-12	Texas, Mississippi and Louisiana
Samson Resources	Upstream	Provider of oil and natural gas services intended to explore, develop and produce oil and natural gas from properties located onshore in the United States.	Dec-11	Williston, Powder River, Greater Green River, San Juan, Anadarko and East Texas basins
Premier Natural Resources	Upstream		Nov-10	Texas

## Asset Manager: Ares Management

AUM: \$144 billion

Company	Type	Description	Acquired	Location(s)
Paradigm Energy Partners	Midstream	Operator of midstream assets in the Bakken Shale in North Dakota and the Eagle Ford in South Texas.	Sep-18	North Dakota, Texas
Admiral Permian Resources	Upstream	Operator of an oil and natural gas exploration and production company in the Permian Basin.	Apr-18	Permian Basin (Texas)
California Resources	Upstream	California Resources produces oil and natural gas in California.	Jan-18	California
Development Capital Resource	Upstream	Operator of oil & gas company created to provide development capital to North-American E&P operators.	Apr-17	North America
Boart Longyear	Services	Boart Longyear Ltd is a U.S.-based ASX-listed company with large market shares in the global mineral drilling services and drilling equipment industries.	Mar-17	Australia
Chisholm Oil & Gas	Upstream	The company explores and develops oil and gas properties in Oklahoma.	Mar-17	Oklahoma
Epic Midstream	Midstream	Operator of a midstream infrastructure company. The company builds, owns and operates crude oil pipelines in both the Permian and Eagle Ford Basins.	Jan-17	Permian and Eagle Ford Basins (Texas)
Salt Creek Midstream	Midstream	Operator of a full service midstream in Houston, Texas. The company offers gas and crude gathering, compression, cryogenic processing and treating services.	Jan-17	Texas
Verdad Oil and Gas	Upstream	Operator of an independent oil and gas exploration and development company.	Jan-17	Texas
Halcon Resources	Upstream	Halcon Resources is an independent oil and gas producer operating exclusively in the Delaware Basin.	Jul-16	Texas
Linden Cogen Holdings	Power generation	A 972-megawatt natural gas-fired cogeneration complex in Linden, New Jersey.	Sep-15	New Jersey

Ares EIF Group	Energy investment	Provider of private equity funds to the power industry.	Jan-15	North America
Oregon Clean Energy Center	Power Generation	A 869 mega watt natural gas-fired electric power plant located in Oregon, Ohio. The project is capable of producing up to 961 mega watt and is an efficient generating facility in the mid-Atlantic power markets.	Nov-14	Ohio
Hill Top Energy Center	Power Generation	620-megawatt natural gas-fired combined-cycle merchant power plant in Green County, Pennsylvania.	Jul-19	Pennsylvania
BlackBrush Oil & Gas	Upstream	Operator of an oil and gas exploration and development company.	Jun-14	South Texas
EXCO Resources	Upstream	EXCO Resources Inc is an oil and gas exploration and production company.	Jul-13	Texas, Louisiana, and the Appalachian region
True Oil Company	Upstream	Owner and operator of oil and gas exploration sites.	Dec-13	Permian Basin

## Asset Manager: Oaktree Capital (part of Brookfield Asset Management)

AUM: \$125 billion

Company	Type	Description	Acquired	Location(s)
Proserv	Services	Manufacturer of subsea production equipment and related products.	Mar-18	
DDH1 Drilling	Services	Provider of deep directional mineral drilling services intended to identify and extend resources, reserves and mining plans for Australia's exploration and mining industry.	Jul-17	Australia
Iona Energy	Upstream	Iona Energy Inc is a junior oil and gas company.	May-17	UK North Sea, Alaska.
Charger Shale Oil	Upstream	Operator of an oil and gas exploration and production company.	Aug-16	Delaware basin (Texas)
Halcon Resources	Upstream	Halcon Resources is an independent oil and gas producer operating exclusively in the Delaware Basin.	Jul-16	Texas
EXCO Resources	Upstream	EXCO Resources Inc is an oil and gas exploration and production company.	Jul-13	Texas, Louisiana, and the Appalachian region
Harkand Group	Services	Provider of inspection, repair and maintenance (IRM) services for the oil, gas and renewable-energy industry.	Feb-13	
Wildcat Midstream Partners	Midstream	Provider of midstream energy and pipeline development services.	Jan-13	Texas
Recurve Energy Asset Management	Power generation	Operator of natural gas fired energy facilities.	May-11	
Caerus Oil and Gas	Upstream	Owner and developer of upstream oil and gas assets.	Jan-09	

**Asset Manager: TPG Capital**

AUM: \$119 billion

Company	Type	Description	Acquired	Location(s)
Blackline Midstream	Midstream	The company was created with the purpose of acquiring and developing oil and gas midstream infrastructure assets.	Nov-17	North America
Jonah Energy	Upstream	Operator of onshore oil and gas producing properties.	Jan-14	Jonah Field in Sublette County, Wyoming
Iona Energy	Upstream	Iona Energy Inc is a junior oil and gas company.	May-17	UK North Sea, Alaska.
Midland Basin assets	Upstream	A portfolio of oil and gas assets in Midland, Texas.	May-16	Texas
CHK Cleveland Tonkawa	Upstream	Operator of natural gas and related services.	Mar-12	US
Rockall Energy	Upstream	Rockall Energy is an acquirer and operator of oil and gas producing properties	Oct-10	US

## Asset Manager: CVC Capital

AUM: \$80.5 billion

Company	Type	Description	Acquired	Location(s)
Repsol	Upstream	Repsol is a Spanish integrated oil and gas firm.	May-18	Spain
CLH Group	Midstream	Provider of transportation and storage facilities intended to distribute fuels and liquid fuels in a continuous, efficient and safe manner.	Apr-17	Europe
PKP Energetyka	Power generation, power transmission	Owner and operator of an electricity supply, transmission and distribution network.	Jul-15	Poland
Neptune Energy	Upstream	Operator of an independent oil and gas exploration and production company.	Jun-15	North Sea, North Africa and SouthEast Asia
Mitchell Services	Services	Mitchell Services Ltd provides drilling services to the exploration, mining, and energy industries.	Aug-14	Australia



## Asset Manager: Warburg Pincus

AUM: \$58 billion

Company	Type	Description	Acquired	Location(s)
Citizen Energy/ Roan Resources	Upstream	Operator of an oil and gas company.	Oct-19	Oklahoma
WildFire Energy	Upstream	Operator of an energy exploration and production company.	Jul-19	Texas
Ossidiana Energy	Upstream	Operator of an energy exploration and production company. The company's focus lies in unconventional assets in liquids-weighted Rockies basins.	Jan-19	Rockies basins
Tall City Exploration	Upstream	Explorer of oil and gas assets in the Permian Basin of West Texas.	Sep-18	Permian Basin
Artis Exploration	Upstream	Provider of oil & gas exploration and production services.	May-18	Duvernay East Shale Basin of Western Canada
Ridge Runner Resources	Upstream	Operator of an oil and gas exploration and production company.	Feb-18	Delaware Basin (Texas)
Stronghold Energy Partners	Upstream	Operator of a oil and gas investment company.	Jan-18	Permian Basin
SemGroup	Midstream	Semgroup Corp provides gathering, transportation, storage, distribution, marketing, and other midstream services to producers, refiners of petroleum products, and other market participants located in the United States and Canada.	Jan-18	North America
ATX Energy Partners	Upstream	Provider of oil exploration services. The company undertakes exploration, acquisition and maintenance of large oil assets in previously unexplored areas beyond west Texas and central Oklahoma.	Dec-17	West Texas and central Oklahoma
Canbriam Energy	Upstream	Operator of a natural gas exploration and production company.	Jun-17	Canada (Altares Montney of Northeast British Columbia)
Ensign Natural Resources	Upstream	Operator of a portfolio of oil and gas assets.	Jan-17	Texas

Delonex Energy UK	Upstream	Provider of oil and gas exploration and production services in Central and East Africa.	Nov-16	Africa
Trident Energy Management	Upstream	Operator of a portfolio of oil and gas assets.	Jul-16	Brazil, Africa
Apex International Energy Management	Upstream	Operator of an oil and gas exploration and production company. The company's offerings include exploring, drilling and enhancing production through asset acquisitions and capital investments, thus helping to deliver long-term profitable growth in production and reserves in the Middle East and North Africa.	May-16	Middle East, North Africa
RimRock Oil & Gas	Upstream		Feb-16	North America
Terra Energy Partners	Upstream	Operator of an onshore oil and gas exploration and production company. The company is focused on the acquisition and development of legacy producing oil and gas assets in North America.	Feb-16	North America
Chisholm Energy Holdings	Upstream	Operator of oil and gas production company.	Jan-16	Delaware Basin (Texas, New Mexico)
MainSail Energy	Upstream	Operator of exploration and production company focused on the acquisition and development of unconventional oil and gas assets in Western Canada.	Jan-16	Western Canada (Montney and Cretaceous formations in the Deep Basin)
Rubicon Oilfield International	Services	Rubicon Oilfield International is an operator of an oilfield service company. It offers products for drilling solutions such as drill bits, drill enhancement, cementing accessories, wellbore clean-up, downhole power systems.	Dec-15	US, Argentina

RS Energy Group	Services	Provider of research services for the oil and gas industry. The company's services include integrated, objective analysis and insight to every level of an exploration and production (E&P) organization, enabling financial investors, major independent producers, national oil companies, royalty trusts, Master Limited partnership (MLP), mineral owners, midstream companies and pipelines to make well-informed decisions.	Dec-15	
Independence Resources Management	Upstream	Provider of oil and gas exploration services. The company pursues onshore oil and gas acquisition and farm-in and play extension opportunities in the Mid-Continent and Rockies regions of the United States, with an initial focus on the Anadarko and Permian Basins.	Mar-15	Mid-Continent and Rockies regions of the United States, with an initial focus on the Anadarko and Permian Basins.
Velvet Energy	Upstream	Operator of oil and gas exploration company. The company is focused on oil and liquids-rich natural gas in the Deep Basin of Alberta, Canada.	Jan-15	Canada
Zenith Energy Management	Midstream	Operator of midstream energy terminals.	Aug-14	Europe
Navitas Midstream Partners	Midstream	Operator of a midstream oil and gas company seeking to develop, acquire, and operate midstream assets across multiple basins in North America.	Jun-14	North America
CAGR Gas	Utility	Operator of a gas utility company. The company focuses on city gas distribution, regional gas pipelines, and natural gas vehicle refueling stations in China.	Jan-14	China
Brigham Minerals (NYS: MNRL)	Upstream	Brigham Minerals Inc is a mineral acquisition company focused on acquiring oil and gas mineral rights in the United States. Its portfolio is comprised of mineral and royalty interests in the continental United States.	Apr-13	Texas, New Mexico, Oklahoma, Colorado, Wyoming, North Dakota.

CASA Exploration	Upstream	Provider of oil and gas exploration services in the Houston region of Texas. The company provides oil extraction and natural gas exploration and development services with a particular focus on material exploration and early development projects in Latin America.	Mar-13	Latin America
Sand Hill Petroleum	Upstream	Operator of an exploration and production firm. The company focuses on onshore conventional hydrocarbon resources in the Pannonian Basin in Hungary and Romania.	Dec-12	Pannonian Basin in Hungary and Romania.
Floridian Natural Gas Storage	Midstream	Provider of natural gas storage services. The company provides storage facilities in Florida for users of clean-burning, economical liquefied natural gas.	Sep-12	Florida
Hawkwood Energy	Upstream	Operator of an independent exploration and production (E&P) company focused on acquiring and economically developing oil and natural gas resources in East Texas.	Aug-12	East Texas
Endurance Energy	Upstream	Operator of an early-stage exploration and production company focused on the acquisition and development of natural gas assets in the Western Canadian Sedimentary Basin.	May-12	Canada (Western Canadian Sedimentary Basin)
Venari Resources	Upstream	Owner and operator of an oil exploration and production company. The company explores and develops non-operating oil exploration sites on the prolific oil-prone subsalt region in the Gulf of Mexico, United States.	May-12	Gulf of Mexico, United States.
Diligent Power	Power generation	Developer of power projects intended to generate electricity. The company's coal based thermal plants is committed to set up facilities to generate around 5000 MW of coal-based electric power.	May-11	India
Black Swan Energy	Upstream	Owner and operator of an energy exploration company intended to explore and develop proven hydrocarbon trends in the Western Canadian Sedimentary Basin.	Apr-11	Canada (Western Canadian Sedimentary Basin)

Osum Oil Sands Corp	Upstream	Operator of an energy company engaged in Canadian oil sands development.	Mar-11	Cold Lake region
American International Industries (PINX: AMIN)	Upstream	The company has interests in industrial, oil and gas, oilfield supply and service companies, and interests in an undeveloped real estate in the Galveston Bay, Texas area.	Dec-10	Galveston Bay, Texas area
IMC (India)	Midstream	Provider of bulk liquid storage services for oil and gas, chemical and other industries.	Oct-10	India
Kosmos Energy	Upstream	Provider of oil and gas exploration and production company focused on frontier and emerging areas along the Atlantic Margin.	Jun-08	West Africa
Antero Resources (NYS: AR)	Upstream	Antero Resources, based in Denver, engages in the exploration for and production of natural gas and natural gas liquids in the United States and Canada.	Aug-07	North America
Laredo Petroleum (NYS: LPI)	Upstream	Laredo Petroleum is an independent oil and gas producer in the United States.	Jul-07	Permian (Midland) Basin
ACB (India)	Power generation	Provider of coal beneficiation services focused on washing, processing and removing impurities from coal. The company provides power generation services by commissioning over 300 megawatts of capacity which are primarily fueled by coal rejects, a term given to lower grade coal which emerges as a by-product of the beneficiation process. It also provides power generation services through its wind power plant.	Mar-06	India

## Asset Manager: Macquarie Infrastructure & Real Assets

AUM: \$119 billion

Company	Type	Description	Acquired	Location(s)
Pisto	Midstream	Owner and operator of oil storage and transportation facilities intended to supply crude oil and refined products.	Feb-18	France
California Oil & gas properties	Upstream	Operator of oil and gas properties in California.	Apr-17	California
CLH Group	Midstream	Provider of transportation and storage facilities intended to distribute fuels and liquid fuels in a continuous, efficient and safe manner.	Apr-17	Europe
EP Infrastructure	Utility	The company is focused on gas transmission, gas and power distribution, heat and power generation and gas storage.	Mar-17	Czech Republic
Società Gasdotti Italia	Midstream	Provider of natural gas transmission and distribution services based in Frosinone, Italy. The company offers transportation of natural gas through a pipeline network of high pressure for a length of about 1,550 km in southern and central Italy.	Sep-16	Italy
Ind-Barath Energy (Utkal)	Power generation	A 700 megawatt coal-based thermal power project located in Jharsuguda, India.	Jul-15	India
Cleco Corporate Holdings	Power generation, Midstream	Operator of a regulated utility company headquartered in Pineville, Louisiana. The company owns nine generating units with a total nameplate capacity of 3,310 megawatts, 11,935 miles of distribution lines and 1,317 miles of transmission lines.	Apr-16	Louisiana
Energie Steiermark	Utility, Power Generation	Generator and distributor of electricity and natural gas in Austria. The company's range of services include the production of electricity, heat and gas through hydroelectric, wind and photovoltaic plants and distribute them throughout Austria, enabling both commercial and	Nov-15	Austria

		residential customers to get access to electricity.		
Viesgo	Power generation, Utility	Operator of an energy company in Spain created to generate, distribute and supply energy	Mar-15	Spain
International Matex Tank and Terminal	Midstream	Provider of bulk liquid handling services and storage terminal facilities. The company operates 12 bulk liquid storage terminal facilities in North America with aggregate capacity of approximately 42 million barrels. It primarily serves the oil and gas industry.	Jul-14	New Orleans, LA
Severn Power Station	Power generation	A 832 Megawatt natural gas-fired power station located in Wales, United Kingdom.	Dec-13	UK
Helios Terminal	Midstream	Operator of an oil storage terminal.	Oct-13	Singapore
Jihomoravska Plynarenska	Utility, Midstream	Distributor of gas and other solid, liquid and gaseous fuels and related products. The company is engaged in the distribution and trading of natural gas primarily to the households, small businesses and industrial customers.	Dec-12	Czech Republic
innogy Grid Holding	Utility, Midstream	Provider of gas utility services in the Czech Republic.	Dec-12	Czech Republic
Leaf River Energy Center	Midstream	The company offers gas storage and hub services as well as salt cavern natural gas storage facility and pipeline infrastructure.	Dec-12	
Open Grid Europe	Midstream	Provider of natural-gas transportation and other related services in Germany and Europe.	May-12	Europe
Enel Russia	Utility, Power Generation	Enel Russia PJSC is an international energy group engaged in the generation of electricity and heat.	Mar-12	Russia
GSR Energy	Utility, Power Generation	Operator of heat and power generation and heat distribution facilities in Saint-Petersburg, Russia.	Dec-11	Russia
Adhunik Power & Natural Resources	Power generation	Operator of coal-based thermal power plant in India.	Aug-10	India





## Asset Manager: Brookfield Asset Management

AUM: \$309 billion

Company	Type	Description	Acquired	Location(s)
Cove Point Terminal	Midstream	A liquefied natural gas (LNG) terminal with a storage capacity of 14.6 and a daily send-out capacity of 1.8 billion cubic feet, respectively.	Sep-19	Maryland
East West Pipeline	Midstream	Operator of gas pipeline in India.	Mar-19	India
Gas Natural (Colombia)	Utility	Gas Natural SA ESP is engaged in distribution and marketing of natural gas.	Jun-18	Colombia
A+H Petroleum Services	Services	Provider of construction and alteration services for fueling facilities.	May-18	Canada
CWC Energy Services	Services	CWC Energy Services Corp is a Canadian based oilfield services company	Dec-17	Western Canadian Sedimentary Basin (WCSB)
Nova Transportadora do Sudeste	Midstream	Operator of a natural gas pipeline system	Apr-17	Brazil
Warwick Gas Storage Business	Midstream	Operator of a gas-storage facility in Canada.	May-16	Canada
Lodi Gas Storage	Midstream	Owner and operator of natural gas storage facilities.	Dec-14	California
Enwave Energy	Utility, Power Generation	Provider of heating and cooling services to commercial, institutional and multi residential buildings.	Oct-12	Canada
Empresa De Energía De Boyacá	Utility, Power Generation	Operator of an integrated electricity company in Colombia. The company supplies electricity to more than 1.5 million people in the 123 municipalities of the Department of Boyacá through the distribution and commercialization of electric power.	Dec-11	Colombia
Ember Resources	Upstream	Explorer of natural gas reserves derived primarily from coalbed methane properties in Alberta, Canada.	Jun-11	Canada

## Asset Manager: Global Infrastructure Partners

AUM: \$50 billion

Company	Type	Description	Acquired	Location(s)
Noble Midstream Partners (NAS: NBLX)	Midstream	Noble Midstream Partners LP is to own, operate, develop and acquire a wide range of domestic midstream infrastructure assets	Mar-19	US
EnLink Midstream Partners	Midstream	Provider of midstream services.	Jul-18	Permian's Midland and Delaware basins, Oklahoma's Midcontinent, and Louisiana's Gulf Coast.
Clearway Energy	Power generation, Renewable Power	Clearway Energy Inc, formerly NRG Yield Inc is an electric utility company that owns, operates, and acquires contracted renewable and conventional energy generation and thermal infrastructure assets across the U.S.	Aug-18	US
EnLink Midstream, EnLink Midstream Partners	Midstream	Provider of midstream services.	Jul-18	Permian's Midland and Delaware basins, Oklahoma's Midcontinent, and Louisiana's Gulf Coast.
Medallion Gathering & Processing	Midstream	The company's midstream services include midstream infrastructure such as construction of all facilities and pipelines to gather, process and deliver oil and natural gas from wells.	Oct-17	Texas
Repsol	Upstream	Repsol is a Spanish integrated oil and gas firm.	May-18	Spain
Caithness Energy	Power generation, Renewable Power	Caithness Energy is a producer of services of development, acquisition, operation and management of power generation projects in the United States. The company focuses in wind, natural gas, geothermal, hydroelectric, solar and coal projects.	Mar-16	US
Hess Midstream Partners	Midstream	Hess Midstream Partners LP own, operate, develop and acquire a diverse set of midstream assets and provide fee-based services to Hess and third-party customers.	Jul-15	US
Competitive Power Ventures	Power generation	Developer and operator of power generation and development projects.	May-15	

Freeport LNG Development	Midstream	Operator of an LNG (liquefied natural gas) import and regasification terminal on Quintana Island near Freeport, Texas.	Dec-14	Freeport, TX
Empresa Eléctrica Guacolda	Power generation	Operator of thermal and coal fired power plants.	May-14	Chile

## Asset Manager: IFM Investors

AUM: \$72 billion

Company	Type	Description	Acquired	Location(s)
Buckeye Partners	Midstream	Buckeye Partners LP is a US-based company which owns and operates a diversified network of integrated assets providing midstream logistic solutions, consisting of the transportation, storage, and marketing of liquid petroleum products. It is an independent liquid petroleum products pipeline operator in the United States in terms of volumes delivered, with approximately 6,000 miles of pipeline.	Nov-19	North America
Impala Terminals	Midstream	Provider of multimodal logistics services intended to facilitate the global trade of commodities.	Dec-18	Global
VTTI	Midstream	The company through its marine terminals, that provide import, export and storage infrastructure for oil majors, refiners and commodity marketers.	Feb-17	Global
Ausgrid	Utility, Power Generation	Provider of electricity utility services. The company delivers a safe and reliable electricity supply to more than 1.7 million homes and businesses across various parts of Australia and operates as an industry leader in distributing electricity and providing energy services.	Oct-16	Australia
Freeport LNG Development	Midstream	Operator of an LNG (liquefied natural gas) import and regasification terminal on Quintana Island near Freeport, Texas.	Dec-14	Freeport, TX

## Asset Manager: Stonepeak Partners

AUM: \$15.6 billion

Company	Type	Description	Acquired	Location(s)
The Whistler Pipeline	Midstream	Pipeline designed to transport approximately 2 billion cubic feet per day (Bcf/d) of natural gas through approximately 475 miles of 42-inch pipeline from Waha, Texas, to the Agua Dulce area in South Texas.	Jun-19	Texas
Oryx Midstream Services	Midstream	Developer and operator of crude oil and natural gas gathering and processing assets.	Apr-19	
Discovery Midstream Partners	Midstream	Operator of a full-service midstream oil and gas company.	Jan-19	Texas
Dominion Energy Midstream Partners	Midstream	Dominion Energy Midstream Partners LP is US-based firm engaged in creating a portfolio of natural gas terminaling, processing, storage, transportation and related assets.	Dec-16	US
Canal Units 1 and 2	Power generation	A portfolio of two power generation facilities. The facilities have a combined summer capacity rating of approximately 1,112 megawatts.	Jun-18	New Jersey
Gulf Coast Express Pipeline Project	Midstream	A natural gas pipeline project in Texas, United States.	Feb-18	Texas
Grand Prix natural gas liquids pipeline	Midstream	A natural gas pipeline in the United States. The pipeline transports approximately 300,000 barrels per day from the Permian Basin to Mont Belvieu, Texas.	Feb-18	Texas
Mont Belvieu Fractionation Train Joint Venture	Midstream	100 thousand barrel per day fractionation train in Mont Belvieu, Texas.	Feb-18	Texas
Phillips 66 Partners (NYS: PSXP)	Midstream	Phillips 66 Partners is a master limited partnership that transports crude, natural gas liquids, and refined products.	Sep-17	US

Magnolia LNG	Midstream	Developer of a liquefied natural gas facility in Lake Charles, Louisiana. The company's project site is on 115 acres adjacent to the Calcasieu Ship Channel, an established shipping channel.	Aug-17	US
Ironclad Energy Partners	Power Generation	The company specializes in acquiring, developing, owning, operating, and making capital investments in middle-market energy facilities in United States.	Sep-16	US
Golar Power	Downstream	Provider of liquefied natural gas based downstream services. The company owns and operates floating storage and regasification units AND associated terminal and power generation infrastructure facilities.	Jun-16	Norway, UK
Sage Midstream	Midstream	Provider of natural gas liquids-related midstream infrastructure services.	Apr-16	Texas
Plains All American Pipeline (NYS: PAA)	Midstream	Plains All American provides transportation, storage, processing, fractionation, and marketing services for crude oil, refined products, natural gas liquids, liquefied petroleum gas, and related products.	Jan-16	US
Sanchez Midstream Partners (ASE: SNMP)	Midstream	Sanchez Midstream Partners LP is focused on the acquisition, development, ownership and operation of midstream and other energy producing assets.	Oct-15	Eagle Ford Shale in South Texas and in other areas of Texas and Louisiana, as well as properties in the Mid-Continent region

## Asset Manager: iSquared Capital

AUM: \$13 billion

Company	Type	Description	Acquired	Location(s)
Conrad energy	Power generation	Operator of a gas-fired power plant based in Abingdon, England.	Oct-19	UK
Venture Global LNG	Midstream	Provider of liquefied natural gas. The company's operations include distribution of liquefied natural gas and related products, in addition, it offers a liquefaction process system which employs an efficient and reliable suite of products supplied.	Jun-19	US
Kallpa Generación	Power Generation	Developer of electricity generation projects. The company specializes in generation and transmission of electricity.	Oct-18	Peru
EagleClaw Midstream Ventures	Midstream	Provider of midstream energy services.	Sep-18	Permian Basin (TX)
IC Power Latin American and Caribbean Business	Power Generation	Developer of power generation facilities. The company's power generation facilities focus on supplying dependable electricity in emerging markets regions, enabling its customers in both residential and commercial sectors avail a range of power generating products.	Jan-18	Latin America and Caribbean
Orazul Energy	Power Generation	Owner and operator of power plants in the Latin american region.	Dec-16	Latin America
Viridian Group	Power Generation, Renewable Power	Generator and supplier of gas and electricity in Ireland. The company is an independent enterprise that through its subsidiaries invests in and builds Irish energy assets from multiple sectors, including thermal generation and wind generation	Apr-16	Ireland

Natural Gas Power Plants and Wind Turbines	Power Generation, Renewable Power	A portfolio of natural gas power plants and wind turbines in Ireland. The asset comprises of two natural gas power plants and a portfolio of onshore wind turbines in Ireland. The assets deliver electricity to more than 60,000 companies and 600,000 households.	Apr-16	Ireland
Whiptail Midstream	Midstream	Operator of an unregulated gathering system with interests in midstream and upstream energy sectors. The company offers crude oil gathering, storage, transportation, compression, treating, processing and condensate handling services.	Mar-16	Oklahoma
Oregon Clean Energy Center	Power Generation	A 869 mega watt natural gas-fired electric power plant located in Oregon, Ohio. The project is capable of producing up to 961 mega watt and is an efficient generating facility in the mid-Atlantic power markets.	Nov-14	Ohio
Kendall Station	Power Generation	A 256-megawatt power plant in Cambridge, Massachusetts. The co-generation facility uses natural gas as a primary fuel source to produce electrical and steam energy.	Feb-14	Massachusetts



## Asset Manager: Kayne Anderson Capital Partners

AUM: \$31 billion

Company	Type	Description	Acquired	Location(s)
Indianola Energy	Upstream	Operator of an energy platform. The company was formed to pursue the acquisition and development of highly-proven resource plays in the energy sector across North America.	Aug-19	North America
WildFire Energy	Upstream	Operator of an energy exploration and production company.	Jul-19	
Acacia Exploration Partners	Upstream	Operator of an energy exploration company.	Jul-18	Anadarko Basin
Buckeye Partners	Midstream	Buckeye Partners LP is a US-based company which owns and operates a diversified network of integrated assets providing midstream logistic solutions, consisting of the transportation, storage, and marketing of liquid petroleum products. It is an independent liquid petroleum products pipeline operator in the United States in terms of volumes delivered, with approximately 6,000 miles of pipeline.	Mar-18	North America
Enbridge Energy Management (NYSE: EEP)	Midstream	Provider of crude oil and liquids transportation system. The company specializes in the natural gas transmission and midstream businesses, onshore in Texas and Oklahoma and offshore in the Gulf of Mexico.	Dec-17	Texas, Oklahoma, Gulf of Mexico.
Flywheel Energy (formerly Valorem Energy)	Upstream	Operator of an oil and gas exploration and production company	May-17	Rockies and Mid-Continent
Resource Rock Exploration	Upstream	Owner and developer of oil and gas exploration sites.	Apr-17	Delaware Basin
Ensign Natural Resources	Upstream	Operator of a portfolio of oil and gas assets.	Jan-17	Texas
Casillas Petroleum	Upstream	Operator of an energy exploration and production company.	Oct-16	Mid-Continent region
Riverbend Permian II	Upstream	Operator of a private exploration and production company.	Aug-16	Permian Basin
Sabinal Energy	Upstream	Operator of oil and natural gas company.	Jul-16	North America

Phoenix Natural Resources	Upstream	Developer of oil and natural gas assets in North America.	Apr-16	Eagle Ford
Terra Energy Partners	Upstream	Operator of an onshore oil and gas exploration and production company. The company is focused on the acquisition and development of legacy producing oil and gas assets in North America.	Jun-15	North America
Plains All American Pipeline (NYS: PAA)	Midstream	Plains All American provides transportation, storage, processing, fractionation, and marketing services for crude oil, refined products, natural gas liquids, liquefied petroleum gas, and related products.	Jan-16	US
Invictus Energy	Upstream	Operator of an energy exploration and production company in Texas, United States.	Jan-16	Eagle Ford, Permian Basin
Monadnock Resources	Upstream	Operator of a Dallas based oil and gas exploration and production company.	Aug-15	
Oak Ridge Natural Resources	Upstream	Operator of an oil and natural gas company	Jul-15	Ark-La-Tex and Mid-Continent regions
Triumph Energy Partners	Upstream	Developer of oil and natural gas assets.	Jul-15	Oklahoma
Balidor Oil & Gas	Upstream	Operator of an oil and gas exploration and production (E&P) company.	Jul-15	North America
Amistad Energy Partners	Upstream	Operator of an oil and natural gas properties.	Jun-15	
Treadstone Energy Partners	Upstream	Developer of oil and natural gas reserves.	Dec-14	
Primary Natural Resources IV	Upstream	Operator of oil & gas exploration and production facilities.	Jun-14	Mid-Continent, Permian Basin
Renegade Well Services	Services	Provider of recurring maintenance, infrastructure and automation services for oil and gas producers.	Apr-14	
True Oil Company	Upstream	Owner and operator of oil and gas exploration sites.	Dec-13	Permian Basin
Panther Energy Company	Upstream	Operator of oil and gas exploration and production company	Nov-13	Permian Basin
Outrigger Energy	Midstream	Provider of midstream oil and gas service	Oct-13	

Willow Bend Oil	Upstream	Operator of a private exploration and production company.	Jul-13	Mid-Continent, Permian Basin
PT Petroleum	Upstream	Operator of an oil and gas acquisition and development company.	May-13	Mid-Continent, Permian Basin
Haymaker Minerals & Royalties	Upstream	Operator of oil and gas wells. The company primarily focuses on purchasing minerals and royalties from all types of mineral owners.	May-13	
Canyon Midstream Partners	Midstream	Provider of oil and natural gas gathering, processing, transportation and marketing services.	Nov-12	Oklahoma
Cantera Energy	Upstream	Developer and explorer of oil and natural gas properties.	Oct-12	Onshore Gulf Coast Regions
PAK Development	Upstream	Operator of an oil and gas acquisition and development company.	Aug-12	Permian Basin
Grenadier Energy Partners II	Upstream	Owner and operator of a private exploration and production company based in The Woodlands, Texas.	Jul-12	Texas
Kraken Oil & Gas	Upstream	Operator of an energy exploration and production company.	May-12	Williston Basin of Montana and North Dakota
Crown Energy Company	Services	Provider of contract operation and drilling services intended for oil and gas companies.	Feb-12	
Corlena Oil Company III	Upstream	Provider of energy exploration services in Amarillo, Texas.	Oct-11	Amarillo, Texas
Poland Subsidiaries of Source Energy Partners		Provider of energy exploration services.	Feb-11	Poland
Momentum Oil and Gas	Upstream	Developer and explorer of oil and natural gas properties.	Oct-10	
Hayden Harper	Upstream	Provider of natural gas exploration services.	Aug-09	Appalachian region

## Asset Manager: Riverstone Holdings

AUM: \$25 billion

Company	Type	Description	Acquired	Location(s)
Ridley Terminals	Midstream	Owner and operator of a marine bulk handling terminal in Canada. The company provides continuous and efficient railcar unloading, product storage and vessel loading services and primarily handles transportation of coal, petroleum coke and liquefied petroleum gas (LPG) in commodities.	Jul-19	British Columbia
Portfolio of coal-fired power plants	Power Generation	Portfolio of coal-fired power plants located at Rotterdam, Wilhelmshaven, Farge and Zolling. The assets represent a total installed capacity of 2,345 megawatts.	Apr-19	Netherlands, Germany
Converge Midstream	Midstream	Crude oil storage company. The Company is engaged in constructing into service the Pierce Junction Crude Oil Storage facility.	Apr-19	Texas
Three Rivers Natural Resource IV	Upstream	Operator of an oil and gas company. The company focuses on oil and gas acquisition opportunities in the Permian Basin.	Feb-19	Permian Basin
Birch Permian	Upstream	Operator of a private exploration and production company. The company is based in Houston, Texas and focused on the Permian basin.	Apr-18	Permian Basin
Lucid Energy Group	Midstream	Operator of an energy midstream services. The company focuses on providing natural gas gathering, compression, processing, transportation fractionation, sour gas treating and nitrogen rejection, crude oil gathering, condensate stabilization and liquids handling to the producers working in the Permian Basin.	Feb-18	Permian Basin
Salt Fork Resources	Upstream	Developer and operator of oil and natural gas leases and mineral mines.	Jan-18	Pennsylvania
Vesta Energy	Upstream	Operator of oil exploration and production company.	May-17	Joffre Duvernay Shale, Alberta, Canada

Teton Range	Upstream	Developer non-operated leasehold and mineral exploration sites. The company engages in the acquisition and development of non-operated leasehold and mineral exploration sites in the over-pressured oil window of Oklahoma, United States.	Mar-17	Oklahoma
Admiral Permian Resources	Upstream	Operator of an oil and natural gas exploration and production company in the Permian Basin.	Apr-18	Permian Basin (Texas)
Talen Energy	Power Generation	Operator of power plants intended to generate and sell electricity, capacity and related products in the United States. The company's fleet of power plants uses diverse fuel sources, such as nuclear, natural gas, and coal.	Dec-16	US
Avant Energy	Services	Provider of energy infrastructure services. The company's offerings include development, construction and operation of infrastructure for Mexico's oil, natural gas, refined products and electricity sectors.	Dec-16	Mexico
Centennial Resource Development (NAS: CDEV)	Upstream	Centennial Resource Development Inc is an independent oil and natural gas company	Dec-16	Reeves, Ward, and Pecos counties in West Texas
Venado Oil & Gas	Upstream	Operator of oil and gas exploration company in the United States.	Oct-16	Texas
Fitzroy Australia Resources	Mining	Operator of a coal-mining company. The company is into coal mining business and exports metallurgical or coking coal used in making steel.	Jan-16	Australia
Rover Petroleum	Upstream	Operator of an oil and gas company. The company acquires and develops conventional oil assets in North America, concentrating on opportunities within the Texas and Oklahoma region.	Nov-15	Texas, Oklahoma
ILX Holdings III	Upstream	Operator of an oil and gas exploration and production company.	Oct-15	Deepwater Gulf of Mexico
Mainline Energy Partners	Upstream	Operator of an energy company focused on developing and managing midstream assets across North America.	Jul-15	SCOOP/STACK in Oklahoma and the Marcellus/Utica Shale in Pennsylvania and Ohio.

CanEra Resources III	Upstream	Operator of an oil and gas exploration and production company. The company is focused on the acquisition, exploitation and exploration of large oil and gas-in-place deposits in the Western Canadian Sedimentary Basin ("WCSB").	Jan-15	Western Canadian Sedimentary Basin
Utopia Pipeline Project	Midstream	A 215 miles and 12-inch diameter pipeline project located in Ohio, United States. The project offers transportation facilities for ethane and ethane-propane mixtures to petrochemical companies operating in Ontario, Canada.	Jun-16	Ohio
Fieldwood Energy	Upstream	Explorer of oil and natural gas resources. The company focuses on acquiring and developing conventional assets, primarily in the Gulf of Mexico region.	May-16	Gulf of Mexico
Liberty Resources II	Upstream	Operator of an oil and gas company.	Nov-13	Williston Basin (Bakken and Three Forks), the DJ Basin and the Powder River Basin.
Abaco Energy Technologies	Services	Provider of oil and gas production, exploration and related services. The company was formed to acquire, integrate and develop energy manufacturing and services businesses that are related to North American drilling, completion and production and associated infrastructure.	Jun-13	Texas, Oklahoma
TrailStone Group	commodities trader	Global commodities trader and an investor in strategic commodity assets.	May-13	UK
JV between Riverstone Holdings and Ridgewood	Upstream	Operator of a holding company formed to invest in a series of deepwater exploration projects located in the Gulf of Mexico.	Mar-13	Gulf of Mexico
Raven Power	Power Generation	Operator of coal-fired power plants. The company includes three plants collectively known as Maryland Clean Coal including Brandon Shores, C.P. Crane and H.A. Wagner, having a combined capacity of 2,648 megawatt.	Aug-12	Maryland
Kerogen Energy Holdings	Upstream	Operator of a shale oil exploration company.	Aug-12	US, Canada

Three Rivers Natural Resource II	Upstream	Operator of oil and gas properties in Austin, Texas.	Aug-12	Permian Basin
White Rose Energy Ventures	Upstream		Aug-12	Africa
EP Energy Global	Upstream		May-12	Texas
Talos Energy (NYS: TALO)	Upstream	The company engages in the exploration, development and production of oil and natural gas properties.	Apr-12	Gulf of Mexico
Liberty Oilfield Services (NYS: LBRT)	Services	Liberty Oilfield Services Inc is a United States based company which provides hydraulic fracturing services to onshore oil and natural gas exploration and production companies.	Dec-11	US
USA Compression Partners (NYS: USAC)	Midstream, Services	USA Compression Partners LP is a US-based limited partnership which acts as a provider of compression services in the United States	Dec-10	US
Seven Generation Facilities	Power Generation	A portfolio of seven gas-fired power generation facilities in the United States. The facility has a capacity of a 778 MW (megawatts) and is located in the Northeast Region of the United States.	Oct-11	Northeastern US
Legend Production	Upstream	Owner and operator of 390 oil producing wells and approximately 52,000 net acres in the Fort Worth Basin of Texas.	May-11	Fort Worth Basin of Texas.
Barra Energia Petroleo e Gas	Upstream	Operator of an oil exploration and production company based in Brazil. The company focuses on exploration, development and production hydrocarbons with priority focus on the three most important Brazilian sea basins.	May-11	Brazil
Cuadrilla Resources	Upstream	Owner and operator of an upstream oil and gas company.	Feb-10	Europe

## Asset Manager: Encap Investments

AUM: \$20 billion

Company	Type	Description	Acquired	Location(s)
US Grid Company	Power Generation	Operator of natural gas power plants. The company also acquires power plants and partners with local utilities and governments.	Oct-19	US
Broad Reach Power	Power Generation	Operator of a utility-scale storage independent power producer company.	Sep-19	US
Council Oak Resources	Upstream	Explorer of oil and gas properties.	May-19	Anadarko Basin
Silverado Oil & Gas	Upstream	Operator of an oil and gas company.	Mar-19	
Flat Creek Resources	Upstream	Operator of oil and natural gas exploration and production company.	Nov-18	Permian Basin
Rock River Minerals	Upstream	Operator of a mineral rights acquisition company.	Sep-18	Midland and Delaware Basins
XCL Resources	Upstream	Operator of an oil and gas company.	Jan-18	US
Black Swan Oil & Gas	Upstream	Provider of oil and gas services.	Dec-17	US
Pegasus Resources	Upstream	Operator of a mineral and royalty company intended to build a sizable mineral and royalty position.	Nov-17	US
Silverback Exploration II	Upstream	Provider of oil and natural gas exploration services.	Jul-17	US
Sable Bay Energy	Upstream	Provider of oil and natural gas exploration services.	Jun-17	US
Ameredev II	Upstream	Operator of an exploration and production business.	Mar-17	Permian Basin
Royal Holly Energy	Upstream	Operator of an oil exploration and production company.	Jan-17	Ark-La-Tex Basin
Olifant Energy	Upstream	Provider of energy exploration services.	Jan-17	Permian and Anadarko basins
Mongoose Energy	Upstream	Operator of an oil exploration and production company.	Jan-17	Texas and Rockies
Venado Oil & Gas	Upstream	Operator of oil and gas exploration company in the United States.	Oct-16	Texas
Petro Legacy Energy II	Upstream	Operator of oil and gas exploration and production company.	Sep-16	Permian Basin and the Eagle Ford Shale
Novo Oil & Gas	Upstream	Provider of oil and gas exploration and production services.	Aug-16	Oklahoma



Fortis Minerals (NYS: NRI)	Upstream	Operator of a mineral acquisition company. The company is engaged in the acquisition of mineral interests and overriding royalties in premier oil and gas properties in the United States.	Jul-16	US
Advance Energy Partners	Upstream	Developer of an oil and gas portfolio.	May-16	
Grayson Mill Energy	Upstream	Operator of energy exploration and production company.	Mar-16	Rocky Mountains
Laramie Energy I	Upstream	Operator of oil and gas producing properties and midstream assets in unconventional gas reservoirs within the Piceance Basin.	Mar-16	Piceance Basin
Felix Energy II	Upstream	Developer and operator of oil and gas assets.	Jan-16	US
Plains All American Pipeline (NYS: PAA)	Midstream	Plains All American provides transportation, storage, processing, fractionation, and marketing services for crude oil, refined products, natural gas liquids, liquefied petroleum gas, and related products.	Jan-16	US
Raisa Energy	Upstream	Operator of an independent oil exploration and production company.	Jan-16	Colorado, North Dakota, Oklahoma and Texas
Verdun Oil Company		Developer of oil and gas assets.	Dec-15	US
Scala Energy	Upstream	Operator of a exploration and production company.	Jul-15	
Montage Resources	Upstream	Exploration and production company	Feb-15	Ohio, Pennsylvania, West Virginia
Southland Royalty Company	Upstream	Operator of an independent oil and gas company.	Jan-15	
Sabalo Energy	Upstream	Operator of an oil and gas exploration company focused on responsibly developing energy.	Mar-14	
Earthstone Energy	Upstream	Earthstone Energy Inc is an independent oil and natural gas development and production company.	Jan-12	Midland Basin of West Texas, and the Eagle Ford Trend of South Texas
PennEnergy Resources	Upstream	Operator of an independent oil and gas company	Feb-11	Appalachian Basin

## Asset Manager: EIG Global Energy Partners

AUM: \$22 billion

Company	Type	Description	Acquired	Location(s)
South Texas Midstream	Midstream	The company engages in natural gas transportation through pipelines.	Dec-19	South Texas
Meco IV	Upstream	Operator of an oil and gas acquisition, exploitation and exploration company.	Sep-19	Colorado
NGL Energy Partners (NYS: NGL)	Midstream		Jul-19	US
Staghorn Petroleum	Upstream	Provider of upstream petroleum services.	May-19	US
BlueRacer Midstream	Midstream	Provider of midstream services to Utica and Marcellus shale producers.	Feb-19	Appalachian basin
Limetree Bay Terminals	Midstream	Owner and operator of crude oil terminals.	Nov-18	St. Croix, U.S. Virgin Islands
Cox Operating	Upstream	Operator of oil and gas company.	Nov-18	Gulf of Mexico, Texas
Peak Exploration & Production	Upstream	Provider of exploration and development services for oil and gas properties.	Nov-18	Colorado
CrownRock	Upstream	Producer of oil and gas	Jul-18	Permian Basin, Northern Midland Basin
Maverick Natural Resources	Upstream	Operator of oil and gas assets in the United States.	Apr-18	Ark-La-Tex (Arkansas, Louisiana and Texas), the Midwest, the Permian Basin, the Mid-Continent, the Rockies, the Southeast and California
NuStar Energy (NYS: NS)	Midstream	NuStar Energy LP is a US-based pipeline and terminal operator.	Jun-18	US
Great Western Oil and Gas	Upstream	Provider of exploration and drilling services intended for oil and gas deposits in Denver, Colorado.	Apr-18	Denver-Julesburg Basin
FS Investments / EIG Global Energy Joint Venture	Energy Investment	Provider of investment advisory and financing services.	Apr-18	US

USA Compression Partners (NYS: USAC)	Services, Midstream	USA Compression Partners LP is a US-based limited partnership which acts as a provider of compression services in the United States in terms of total compression fleet horsepower.	Jan-18	US
Midship Pipeline Company	Midstream	A 199.4 mile natural gas pipeline project stretching from the Okarche processing plant near Okarche, Oklahoma to Bennington, Oklahoma.	Jun-17	Oklahoma
Southcross Energy Partners (PINX: SXEEQ)	Midstream	Southcross Energy Partners LP provides natural gas gathering, processing, treating, compression and transportation services and NGL fractionation and transportation services.	Jun-17	South Texas, Mississippi, Alabama
Elba Liquefaction Project	Midstream	A liquefaction project located 8.5 miles upstream from the mouth of the Savannah River.	Mar-17	Texas
Senex Energy (ASX: SXY)	Upstream	Senex Energy Ltd is an Australian oil and gas exploration and production company.	Jan-17	Australia
New Age (African Global Energy)	Upstream	Provider of oil and gas exploration services.	Jul-16	Nigeria, the Republic of Congo
Fortis Minerals (NYS: NRI)	Upstream	Operator of a mineral acquisition company. The company is engaged in the acquisition of mineral interests and overriding royalties in premier oil and gas properties in the United States.	Jul-16	US
El Dorado Resources	Upstream	Owner and developer of oil and gas properties.	Jun-16	Permian Basin
Andes Mining & Energy	Power Generation	Developer and operator of conventional and renewable power generation projects.	Mar-16	Chile
Abengoa Projects Warehouse 1	Power Generation	Operator of power projects.	Mar-15	Mexico, Brazil, Chile
EnVen Energy Ventures	Upstream	EnVen Energy Corp is an oil and natural gas company engaged in the development, exploitation, exploration, and acquisition of crude oil properties in the region of U.S Gulf of Mexico.	Jul-14	Gulf of Mexico
Harbour Energy	Upstream, Midstream	The company owns and operates upstream and midstream energy assets such as natural gas, petroleum, crude oil, gasoline, petrol and coal.	Jul-14	US, UK

FourPoint Energy	Upstream	Provider of oil and gas exploration and production services intended to develop oil and natural gas assets.	Jun-14	Texas
Jonah Energy	Upstream	Operator of onshore oil and gas producing properties.	Jun-14	Jonah Field in Sublette County, Wyoming
Panda Liberty Power Project	Power Generation	Two natural gas power plants in Pennsylvania.	Dec-13	Pennsylvania
Coalspur Mines	Upstream	Coalspur Mines Ltd is a coal exploration and development company.	Apr-13	Canada
Ouro Preto Óleo e Gás	Upstream	Operator of a hydrocarbon exploration and production company.	Oct-12	Brazil

## Asset Manager: Energy Capital Partners

AUM: \$13 billion

Company	Type	Description	Acquired	Location(s)
Transit Energy Group	Downstream	Operator of fuel distribution and retail convenience store.	Jul-19	Tennessee, Arkansas, Mississippi and North and South Carolina
11 coal and gas power plants in British Columbia	Power Generation	Portfolio of electricity generation plants based in Alberta, British Columbia and Ontario, Canada. The portfolio consists of 11 natural gas-fired and coal-fired electrical generation facilities with 2,100 megawatts (MW) capacity.	May-19	British Columbia
Calpine	Power Generation	Provider of electricity from clean fuel and renewable resources. The company's electricity is generated from natural gas and geothermal resources.	Mar-18	North America
Triton Power (UK)	Power Generation	Operator of a power generation company located in the United Kingdom. The company produces 1.8-gigawatt of electricity for half a million homes through three power stations.	Oct-17	UK
CIG Logistics	Services	Provider of logistics services to the oil and gas industry. The company owns and operates frac sand trans-loading terminals which strategically located near oil and gas activity in the Permian Basin, Eagle Ford Shale, SCOOP/STACK Play and Haynesville Shale and provides trans-loading services to market-leading exploration and production companies, oilfield service companies and proppant companies through tonnage-based tolling arrangements.	Jun-17	Texas, Oklahoma, West Virginia
Sendero Midstream	Midstream	Provider of midstream services in oil and gas exploration.	Jan-17	New Mexico
Ramaco Resources (NAS: METC)	Mining	Ramaco Resources Inc is a coal producing firm based in the United States.	Aug-16	US

CORMETECH	Services	The company offers services in the areas of nitrogen oxide, sulfur dioxide (SO <sub>2</sub> ), and particulate emission control; and combustion optimization, large particle ash screens, and flow monitoring.	Jan-16	US
Next Wave Energy Partners	Midstream, Downstream	Operator of midstream and downstream petrochemical and fuel assets. The company's capabilities include customized toll processing, manufacturing, and logistics solutions for natural gas liquids (NGLs), petrochemicals and gasoline blending components	Apr-15	US
USD Group	Midstream	Developer, designer and operator of energy infrastructure assets throughout North America.	Sep-14	North America
Richland Stryker	Power Generation	Two cycle power plants located in Ohio, United States. Richland is a 444 MW power plant while Stryker is a 20 MW power plant.	Jan-14	Ohio
Rimrock Midstream	Midstream	Developer and operator of a portfolio of midstream energy infrastructure assets.	Nov-13	Oklahoma, Kansas, Texas, North Dakota, Wyoming, Colorado, New Mexico
EnergySolutions	Services	Provider of nuclear waste management services to a wide customer base including government agencies, commercial customers, engineering, and construction companies.	May-13	US
Broad River Energy	Power Generation	Operator of a 850 MW dual-fuel simple-cycle power generation facility located in Gaffney, South Carolina.	Dec-12	South Carolina
Liberty Electric Power	Power Generation	Owner and operator of natural-gas fired combined cycle generating facility to supply electric energy and capacity.	Oct-11	Pennsylvania
Odessa Power	Power Generation	1,000 megawatt, natural gas-fired power plant in West Texas.	Jul-11	Texas
EquiPower Resources	Power Generation	Owner and operator of a portfolio of power plants	May-10	US
PLH Group	Services	Provider of energy focused construction and maintenance.	Aug-09	US
Summit Midstream Partners (NYS: SMLP)	Midstream	Summit Midstream Partners LP is a US-based energy solutions provider involved in the oil and gas industry.	Sep-09	US

## Asset Manager: Arclight Capital Partners

AUM: \$13 billion

Company	Type	Description	Acquired	Location(s)
Third Coast Midstream	Midstream	Provider of natural gas energy services.	Jul-19	US
Thorntons	Downstream	Operator of gas and food mart chain.	Feb-19	US
Limetree Bay Terminals	Midstream	Owner and operator of crude oil terminals.	Nov-18	St. Croix, U.S. Virgin Islands
TransMontaigne Partners/ TransMontaigne GP	Midstream	TransMontaigne Partners LP is an oil pipeline and terminal company.	Nov-18	US
Oil Logistics Assets	Midstream	The portfolio consists of refined products and crude oil storage and terminaling facilities in Tacoma and Baltimore.	Sep-18	US
Midcoast Energy Partners	Midstream	Provider of natural gas and natural gas liquid (NGL) delivery services.	Aug-18	US
Bay Shore Power Company	Power Generation	A portfolio of power plants located at Lucas County, Ohio.	Jul-18	Ohio
Enstor Gas	Midstream	Owner and operator of natural gas storage facilities in the Gulf Coast and Southwest regions of the United States.	May-18	Gulf Coast, Southwest US
Perdido Regional Host Facility	Upstream	A natural oil and gas exploration facility in the United States.	Jan-18	Gulf of Mexico
Greylock Energy	Upstream, Midstream	Portfolio of natural gas production and midstream assets in Charleston, West Virginia.	Nov-17	West Virginia
Olympic Pipeline (30% stake)	Midstream	Operator of a refined products pipeline.	Sep-17	Washington, Oregon
BP West Coast Products JV	Midstream, Downstream	Provider of refined product logistics and infrastructure assets. The company deals with storage, transportation and wholesale marketing of refined petroleum products.	Aug-17	US
Lightstone Generation	Power generation	Power generation. Midwest Power Plants (2 natural gas, 1 coal fired power plant	Jan-17	Ohio, Indiana

Kindle Energy	Power Generation	The company specializes in building, buying and optimizing power generation and retail businesses in North America.	Jul-16	North America
Chevron Alberta Gas Storage ULC	Midstream, Downstream	Provider of natural gas underground storage and marketing services. The company offers its storage and marketing services to producers, utilities, natural gas marketing companies and consumers in Western Canada and Western United States.	Apr-16	Western Canada, Western United States
Eastern Generation	Power Generation	Eastern Generation owns and operates power generating units. It sells energy and provides ancillary services into the NYISO and PJM markets.	Dec-15	New York, Illinois, Ohio
Gulf Oil	Downstream	Provider of gasoline and diesel motor fuels.	Sep-15	US
Lucknow-Highspire Terminals	Downstream	Provider of petroleum products storage and distribution services. The company provides storage and distribution facilities for gasoline, diesel fuel, heating oil and kerosene.	Apr-15	Pennsylvania
Mesquite Power	Power Generation	The power project is a 625 MW natural gas-fired, combined cycle power generation facility located outside of Phoenix, Arizona.	Apr-15	Arizona
Bruin E&P Partners	Upstream	Operator of an oil and gas exploration and production company. The company is focused on the development of oil-rich unconventional plays as well as the acquisition of conventional oil and gas producing properties.	Jan-15	Piceance Basin of Colorado, the Gulf Coast Texas, the Permian Basin of Texas and New Mexico, the Arkoma Basin of Arkansas and the Williston Basin of North Dakota and Montana
Conemaugh Generating Station	Power Generation	A 1700 megawatt coal-fired power plant.	Dec-14	Pennsylvania
Keystone Generating Station	Power Generation	A 1700 megawatt coal-fired power plant.	Dec-14	Pennsylvania
Warwick Partners II	Upstream	Operator of an oil and gas holding company.	May-14	Eagle Ford Shale, South Texas
Canyon Creek Energy	Upstream	Operator of an oil and gas oil and gas exploration company.	Apr-14	Oklahoma
CPV Woodbridge Energy Center	Power Generation	The 725-megawatt power plant in Keasbey, New Jersey. The 725 megawatt (MW) natural gas fueled combined-cycle power generation facility generates electricity to power more than 700,000 homes.	Sep-13	New Jersey



Enable Midstream Partners (NYS: ENBL)	Midstream		Mar-13	Oklahoma
Bizkaia Energia	Power Generation	Operator of a power generation plant in Amorebieta Etxano, Spain. The company operates a 755 megawatt gas-fired combined-cycle power generation plant.	Feb-13	Spain
Fisterra Energy	Midstream	Investor in energy and infrastructure operations with an emphasis on oil and gas.	Jan-13	Europe
North Sea Midstream Partners	Midstream	Provider of oil and gas transportation services from properties in and around the North Sea.	Dec-12	UK
Delta House	Upstream, Midstream	The company owns and operates a fee-based, semi-submersible floating production and processing system located within the highly prolific, deep-water Mississippi Canyon region in the Gulf of Mexico.	Dec-12	Gulf of Mexico
LLOG Exploration	Upstream	Provider of a platform for oil and gas exploration and production	Nov-12	
LOGOS Resources	Upstream	Operator of an oil and gas exploration and production company. The company focuses on developing existing assets and pursuing acquisitions of additional producing and non-producing properties in the San Juan Basin.	Jan-12	New Mexico, Colorado
JP Energy Partners	Midstream	The company is a growth-oriented limited partnership that owns, operates, develops and acquires a diversified portfolio of midstream energy assets. Its operations currently consist of crude oil pipelines and storage, refined products terminals, distribution and sales.	Jul-11	US
Five Georgia Natural Gas-Fired Power Plants	Power Generation	A portfolio of five natural gas-fired power plants located in Georgia.	Jan-11	Georgia
Kgen Power	Power Generation	Owner and operator of electric power generation plants.	Jul-10	US
Black Point Petroleum	Upstream	Operator of an oil and gas exploration and production company.	Jan-10	Texas

## Asset Manager: NGP Energy Capital Management (owned by Carlyle Group)

AUM: \$15 billion

Company	Type	Description	Acquired	Location(s)
Oilfield Water Logistics	Services	Provider of water infrastructure and services intended for the energy industry.	Oct-19	US
Cavalcade Midstream	Midstream	Provider of midstream services in the Permian Basin.	Dec-18	Permian Basin
Mettle Midstream Partners	Midstream	Operator of a full-service midstream company in Dallas, Texas.	Mar-18	Texas
Trilogy Midstream Investments	Midstream	Developer of pipeline infrastructure projects. The company engages in developing pipeline infrastructure projects along the Gulf Coast.	Jan-18	Gulf Coast
Mallard Exploration	Upstream	Operator of an upstream oil and gas exploration and production company.	Oct-17	Colorado (Denver-Julesburg Basin)
Infinity Natural Resources	Upstream	Operator of oil and gas exploration and production company.	Aug-17	Appalachian basin
Chesapeake Energy Corporation	Upstream	Chesapeake Energy Corp is a US-based exploration and production company.	Jun-17	Pennsylvania, Ohio, Louisiana, Texas, Oklahoma, Wyoming
Black Mountain Oil & Gas II	Upstream	Operator of an energy exploration and production company intended to pursue upstream opportunities.	Apr-17	Pecos County, Texas
Black Mountain Sand	Services	Manufacturer and supplier of in-basin frac sand to the oilfields, exploration and production industries.	Apr-17	Eagle Ford Shale and Mid-Continent region
Luxe Minerals	Upstream	The company operates as an acquisition vehicle with a focus on the mineral and royalty interests in oil and liquids-rich basins throughout the United States.	Mar-17	US
Avad Energy Partners	Upstream	Operator of an oil and natural gas production company	Jan-17	US
Camino Natural Resources	Upstream	Provider of investment capital to oil and natural gas companies.	Jan-17	
Confluence Resources	Upstream	Operator of an energy exploration and production company in Denver, Colorado.	Sep-16	US
Castlerock Exploration	Upstream	Operator of an oil and gas exploration company	Sep-16	Frio, La Salle, and McMullen counties

Delaware Basin System	Midstream	A cryogenic gas processing plant.	Aug-16	Texas
Wing Resources	Upstream	Operator of oil fields in Permian Basin.	Aug-16	Permian Basin
Four Corners Petroleum	Upstream	Operator of an independent oil and gas company based out of Colorado.	Jul-16	Colorado
Torrent Oil	Upstream	Operator of an oil and natural gas company	Feb-16	Gulf Coast, East Texas and Ark-La-Tex Basins
Fort Worth Mineral Co.	Upstream	Operator of an oil and natural gas production company created to acquire producing and non-producing oil and gas interests across the United States	Jun-16	US
Teal Natural Resources	Upstream	Operator of oil and natural gas exploration company	May-16	Eagle Ford Shale
Conexus Energy	Energy Marketing	Provider of energy marketing and trading services.	Apr-16	
Colgate Energy	Upstream	Operator of oil exploration and production company	Feb-16	Permian Basin
Black Mountain Oil & Gas I	Upstream	Operator of an oil and gas exploration and production company	Feb-16	Permian Basin
Tap Rock Resources	Upstream	Operator of a gas exploration company	Jan-16	Permian Basin
East Texas Eagle Ford Shale Oil & Gas Leases	Upstream	A group of oil and gas leases in a segment of the East Texas Ford Shale in Texas. The leases are for 10,264 net acres, primarily in Brazos and Burleson counties.	Dec-15	Eagle Ford Shale
Juniper Resources	Upstream	Operator of an oil and gas company with operations mainly in the San Juan Basin.	Oct-15	San Juan Basin
Wild Wind Petroleum	Upstream	Provider of oil and gas exploration services.	Oct-15	Canada
Rebellion Energy	Upstream	Operator of an oil and gas company. The company focuses on acquisitions and development in the Mid-Continent Region.	May-15	Mid-Continent Region
Luxe Energy	Upstream	Operator of an oil and gas company based in Austin, Texas.	May-15	US
Crimson Pipeline	Midstream		May-15	Louisiana
Axia Energy II	Upstream	Operator of an oil and gas holding company.	Mar-15	Rocky Mountains
Kinetics Energy Services	Services	Provider of well completions and production enhancement services.	Mar-15	Texas

Prairie Storm Energy	Upstream	Developer of large-scale oil and gas assets.	Feb-15	Western Canada
Tecolote Energy	Upstream	Provider of oil and gas exploration and production services.	Jan-15	Oklahoma, Texas
CanEra Resources III	Upstream	Operator of an oil and gas exploration and production company. The company is focused on the acquisition, exploitation and exploration of large oil and gas-in-place deposits in the Western Canadian Sedimentary Basin ("WCSB").	Jan-15	Western Canadian Sedimentary Basin
Crossing Rocks Energy Partners	Upstream	Operator of a portfolio of oil and gas assets.	Jan-15	Mid-continent, East Texas, Permian basin
PCORE Exploration & Production	Upstream	Operator of an oil and gas exploration and production company.	May-14	Delaware Basin
Blackbeard Operating	Upstream	Operator of an oil and gas exploration and production company	Jan-14	US
Bravo Natural Resources	Upstream	Operator of a petroleum and natural gas exploration company.	Dec-13	Oklahoma, Texas
Catapult Energy Services Group	Services	Provider of consultation, reporting, and investment services intended to accelerate oilfield services companies.	May-13	US
HighMark Energy	Upstream	Operator of an oil and natural gas company	Jan-13	US
Steward Energy	Upstream	Operator of an oil and gas exploration and production company	Aug-12	Texas
Petrus Resources (TSE: PRQ)	Upstream	It is engaged in the acquisition, development, exploration, and exploitation of energy business assets.	Jul-12	Ferrier, Central Alberta, and the Rocky Mountain foothills
BlueStone Natural Resources	Upstream	Explorer of oil and gas resources in the United States.	Jan-12	US
Samson Resources	Upstream	Provider of oil and natural gas services intended to explore, develop and produce oil and natural gas from properties located onshore in the United States.	Dec-11	Williston, Powder River, Greater Green River, San Juan, Anadarko and East Texas basins

## Asset Manager: Quantum Energy Partners

AUM: \$11 billion

Company	Type	Description	Acquired	Location(s)
Mesa Minerals Partners	Upstream	Provider of capital for mineral and royalty interests.	Oct-18	East Texas and North Louisiana Haynesville and Cotton Valley play
HG Energy	Upstream	HG Energy is a producer of natural gas and oil	May-18	West Virginia, Pennsylvania
Trace Midstream Partners	Midstream	Provider of a midstream company focused on the acquisition and development of gas gathering, treating and transportation assets	Apr-18	Eagle Ford Shale, Haynesville Shale
PetroLogistics II	Midstream, Downstream	The company's operations are focused on acquiring, developing and operating petrochemical manufacturing, processing and logistics assets in North America.	Jan-18	North America
Premium Oilfield Technologies	Equipment	Manufacturer and distributor of drilling rig equipment.	Nov-17	US
Impact Exploration and Production Partners	Upstream	Provider of oil and exploration and infrastructure services.	Jul-17	Rocky Mountain region
Middle Fork Energy Partners	Upstream	Operator of an energy assets acquisition and development company	May-17	Rocky Mountain region
Vitruvian Exploration IV	Upstream	The company focuses on acquiring, developing and operating unconventional oil and gas assets	Apr-17	Eagle Ford Shale in South Texas
Wishbone Energy Partners	Upstream	Operator and developer of onshore conventional and unconventional oil and gas reservoirs.	Feb-17	Permian Basin, East Texas, Mid-Continent
Sentinel Peak Resources	Upstream	Developer and explorer of oil and gas assets.	Apr-16	San Joaquin, LA Basins of California
Vitruvian Exploration III	Upstream	Operator of an independent oil and natural gas company.	Dec-15	United States
QL Energy I	Upstream	Operator of a company acquiring oil and gas properties. The company is involved in acquiring, development and use of oil and gas properties, including related gathering, compression and processing assets.	Jun-15	United States

Intensity Midstream	Midstream	Owner and operator of midstream assets.	Jun-15	SCOOP play of Southern Oklahoma's Woodford Shale and Springer Shale
Rockcliff Energy	Upstream	Operator of a privately-held oil and gas company	Apr-15	Ark-La-Tex, Mid-Continent, Permian Basin
ExL Holdings	Upstream	Developer of oil and gas resources.	Nov-14	Permian basin of West Texas
ZaZa Energy	Upstream	ZaZa Energy Corp is an independent oil and gas company.	Sep-14	Eagle Ford East trend in East Texas and the Eagle Ford trend in South Texas
Tug Hill Operating	Upstream	Explorer and producer of oil and gas.	Aug-14	United States
FourPoint Energy	Upstream	Provider of oil and gas exploration and production services intended to develop oil and natural gas assets.	Jun-14	Texas
Tanos Exploration II	Upstream	Operator of an upstream oil and gas exploration company.	May-16	East Texas and North Louisiana
Rio Oil and Gas	Upstream	Developer and acquirer of oil and gas assets.	Jul-13	North America
Legion Energy Services	Midstream	Provider of natural gas and crude oil gathering, processing, and marketing services.	Apr-13	Mid-continent and Bakken regions
Vitruvian Exploration II	Upstream	Operator of an independent oil and gas company.	Aug-12	US
Phoenix Services (Fluids Management)	Services	Provider of fluids management and related oilfield services to oil and gas producers.	Jul-12	US
Renaissance Offshore	Upstream	Developer and acquirer of oil and gas field assets.	Dec-11	Gulf of Mexico
Quantum Utility Generation	Power Generation	Developer of conventional and alternative energy projects in North America. The company builds, buys, manages, optimizes and sells power generation assets across multiple fuel types.	Sep-10	North America
Ceritas Energy II	Midstream	Provider of midstream energy services to natural gas producers.	Feb-08	Rockies, the Gulf Coast, and the Uintah basin