



## NATURAL GAS

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Summit's natural gas experience is very deep. It has developed or co-developed more than 7,800 MW of combined and simple cycle natural gas generation projects. This includes major project development during the last decade in Utah, Washington, Oregon, California, Idaho and Texas. Summit has developed a model for gas project development, contracting and construction that optimizes low-cost, risk mitigation for the owner, quality and speed to market. This approach has been very well received by the market, along with Summit's flexible position relating to project ownership and transaction structure. Summit has been short-listed on numerous significant natural gas development projects in major utility RFP's processes since mid-2011. The Summit approach to gas power project development includes a highly customized development team and financing tailored to each project. Gas projects in operation and which Summit has had a major development role include the following.



### PALMDALE ENERGY PROJECT, California

645 MW 2x1 combined cycle using Siemens SGT6-5000F natural gas-fired combustion turbine generators, heat recovery steam generators, and steam turbine generator. Commercial operation expected in 2021. [Read more.](#)



### LAKE SIDE II, Utah

630 MW 2X1 combined cycle project using Siemens F4 Turbines. Summit developed the project and sold the development assets to Rocky Mountain Power. CH2MHill constructed the project for Rocky Mountain Power. Commercial operation achieved in June 2014.



### LAKE SIDE I, Utah

543 MW 2X1 combined cycle with duct firing using Siemens 501FD triple pressure combustion turbine generators and Siemens triple pressure steam turbine generators. Commercial operation achieved in September 2007.



### BLYTHE I, California

520 MW 2X1 combined cycle with duct firing using Siemens V84.3a combustion turbine generators. Commercial operation achieved in January 2004.



### CHATTAHOOCHEE, Georgia

520 MW 2X1 combined cycle with duct firing using Siemens V84.3a combustion turbine generators and Siemens triple pressure steam turbine generator. Commercial operation achieved in March 2003.



### GRIFFITH ENERGY, Arizona

600 MW 2X1 combined cycle with heavy duct firing using GE7241FA combustion turbine generators with significant duct firing coupled to a GE triple pressure steam turbine generator. Commercial operation achieved January 2002.



### ST. FRANCIS NO. 2, Missouri

260 MW combined cycle single shaft 1X1 using Siemens V84.3a combustion turbine generator and Siemens triple pressure steam turbine generator. Commercial operation achieved in April 2001.



### PLEASANT VALLEY STATION, Minnesota

340 MW simple cycle using two Siemens Westinghouse



V84.3a combustion turbine generators with capability to convert to combined cycle. Commercial operation achieved in April 2001.



#### HOLDEN, Missouri

345 MW simple cycle using three Siemens Westinghouse V84.2 combustion turbine generators, dual fuel capable. Commercial operation achieved in February 2001.



#### CHOUTEAU, Oklahoma

520 MW 2X1 combined cycle with duct firing using Siemens V84.3a combustion turbine generators and Siemens triple pressure steam turbine generator with duct firing. Commercial operation achieved in June 2000.



#### SEWELL CREEK, Georgia

530 MW simple cycle using two Siemens Westinghouse V84.2 combustion turbine generators (230 MW) and two Siemens Westinghouse V84.3 combustion turbine generators (300 MW). Commercial operation achieved in June 2000.



#### ST. FRANCIS NO. 1, Missouri

260 MW combined cycle single shaft 1X1 using Siemens V84.3a combustion turbine generator and Siemens triple pressure steam turbine generator. Commercial operation achieved in December 1999.



#### SMARR NATURAL GAS, Georgia

230 MW simple cycle using two Siemens Westinghouse V84.2 combustion turbines. Commercial operation achieved in July 1999.



#### BRIDGEPORT ENERGY PROJECT, Connecticut

340 MW simple cycle using Siemens V84.3a combustion turbine generator; commercial operation began in June 1998. Subsequently developed into 520 MW 2X1 combined cycle with Siemens V84.3a combustion turbine generator and Siemens triple pressure steam turbine generator; commercial operation began in June 1999. Dual fuel capability using oil added in 2001. Project was combined with modifications to existing 80 MW and 170 MW oil fired plants.



**CARBON CAPTURE**  
Capturing CO<sub>2</sub> for sequestration



**NATURAL GAS**  
Build transfer and owned projects



SOLAR POWER  
Utility scale PV projects



WIND POWER  
Utility scale wind projects

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