

Pomona Energy Storage Facility

AltaGas deployed 20 MW in less than four months, which is the power industry's fastest project completion record of its type.




In August 2016, AltaGas signed a 10-year Energy Storage Resource Adequacy Purchase Agreement with Southern California Edison for 20 MW of capacity for a continuous four hour period, the equivalent of 80 MWh of energy discharging capacity at its existing Pomona Facility which is located east of Los Angeles. AltaGas constructed the lithium-ion battery system facility in less than four months, which is the industry's fastest deployment of 20 MW. The facility features many industry leaders in the energy storage space, including Samsung, Parker Hannifin and Greensmith. AltaGas owns and operates the facility, which came on line in December 2016. The storage facility is the largest battery storage facility in North America.


THE 10,800 SQ. FT. FACILITY INCLUDES 12,240 BATTERIES, 10 PARKER INVERTERS AND 1,020 BATTERY RACKS.


What is energy storage?

Grid energy storage is a collection of methods used to store energy on a large scale within an electrical power grid. Energy is stored during times when production from intermittent power plants such as renewable electricity sources such as wind power, tidal power, solar power exceeds consumption. The energy is then returned to the grid when production falls below consumption.



 Gas-Fired Power Generation

 Gas-Fired Power Generation Under Development

 Energy Storage

Construction of the Pomona Energy Storage Facility involved approximately 55,000 man hours of work and was completed in less than four months.

About the facility

- 10 year Energy Storage Agreement (ESA) with Southern California Edison (SCE) for 20 MW energy storage at the Pomona facility.
- 20 MW resource adequacy capacity for four hour period, equivalent of 80 MWh of energy discharging capacity.
- The largest battery storage facility in North America.
- The industry's fastest project completion record - deployed 20 MW in less than four months.
- In-Service: December 31, 2016.
- Estimated cost: Approximately US\$40-\$45 million.
- Energy storage is complementary to gas-fired capacity at AltaGas' Pomona Facility.
- Delivered on-time and on-budget.

AltaGas' presence in California

- AltaGas owns six natural gas-fired power generating facilities in California that safely produce power.
- AltaGas has a long standing history of building trust and treating stakeholders with respect in communities where it develops and operates projects.
- AltaGas' California sites can provide a wide variety of energy products including gas-fired generation, energy storage, and solar.
- Existing Pomona facility is a 44.5 MW gas-fired peaking plant strategically located in the Los Angeles load pocket.
- Repowered facility could be comprised of more efficient gas-fired technology with capacity up to 100 MW.
- Among the largest battery storage facilities in North America.

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About AltaGas

AltaGas is an energy infrastructure business with a focus on natural gas, power and regulated utilities. The Corporation creates value by acquiring, growing and optimizing its energy infrastructure, including a focus on clean energy sources.

For more information visit altagas.ca