



Frank A. Tracy Generating Station



Location: 17 miles east of Reno, Nevada

Peak Generating Capacity: 1,0&1 Megawatts

Plant Description: The Frank A. Tracy Generating Station is a multi-technology natural gas-fueled power plant complex that includes a total of 12 generating units with in-service dates ranging from 1961 to 2008.

The newest and largest addition consists of two highly efficient 7FA General Electric combustion turbine generators, similar to the turbines that power jet airplanes. The exhaust from these two units is then recycled to power a separate General Electric D-11 steam turbine for a combined maximum output of 578 megawatts.

An earlier combined-cycle system was completed in 1996 that consists of a General Electric combustion turbine (6FA) that recycles its exhaust to power a General Electric steam turbine for a total of 108 megawatts with a duct-burn option.

The original three steam boilers were completed in 1963, 1965 and 1974 and include two Riley Stoker boilers and later a Babcock & Wilcox boiler. The first unit used a General Electric turbine generator and the latter two used Westinghouse turbine generators. Their combined output totals approximately 244 megawatts.

The plant also includes four peaking units that are only used during high customer demand periods. The four units entail two 10-megawatt Westinghouse 171G combustion turbines (built in 1961 and 1963) that run on diesel oil. Two other peaking units were added in 1994. They are each 72 megawatts General Electric 7EAs that can burn either natural gas or diesel oil.

Employment: Approximately 65 employees

Interesting Features:

- The plant can produce enough electricity to serve approximately 625,000 Nevada households.
- NV Energy annually provides approximately \$2.8 million in tax revenue to Storey County that benefits general county operations, schools, libraries, and other civic activities.



6226 WEST SAHARA AVENUE, LAS VEGAS, NEVADA 89146