

UNO DE LOS CLIENTES TRIDENT DE COGENERACION



NTC/MCRD Energy Facility

San Diego, California

23 MW cogeneration plant

Electric Output	23 MW	69,000 volts	
Thermal Output	Steam	Temperature	Pressure
	Flow rate lbs/Hr	Average	Range
		425°F	300 psig
		52,000	30,000 - 60,000
Heat Rate (HHV)	9,449 Btu/kWh (Assuming 20% thermal output converted to kWh)		
Gas Turbine Generator	GE LM2500, dual fuel, water injection for NO _x control Brush Electric, 23 MW, 12,500 volts		
Steam Turbine Generator	Elliot, condensing/extraction, 425°F, 300 psig, 40,000 lbs/Hr Ideal Electric, 2.5 MW, 12,500 volts		
Boiler (HRSG)	Henry Vogt Machine Co., two pressure (300/20-80 psig), with NO _x SCR, CO catalyst and duct burners		
Water Treatment	U.S. Filter Corp.		
Control System	Plant DCS:	Leeds & Northrop, Max 1	
	Turbine:	Woodward 501	
Auxiliary Boiler	Babcock & Wilcox, 150,000 lbs/Hr, 300 psig		
Fuel	Supplier:	Defense Fuel Supply Agency	
	Transportation:	San Diego Gas & Electric	
Purchasers	Electric Power:	San Diego Gas & Electric and U.S. Navy	
	Thermal:	U.S. Navy (Naval Training Center & Marine Corps Recruits Depot)	
Prime Contractor	Raytheon/Ebasco Constructors		
Operation Date	August 1989		