The project constructed a 23-megawatt diesel power plant for the main Upolu grid. The powerplant was commissioned in 2013 by the Samoa Electric Power Corporation (EPC). The Fiaga powerplant currently generates 85 million kilowatts per hour annually, which is 65% of the national power generation for Samoa. The powerplant currently provides baseload power generation and has significantly improved reliability of power generation for EPC’s 35,000 residential, commercial, and government customers.

The Fiaga power plant is located away from residential centers to minimize noise disturbance on urban populations. The project included construction of a diesel power plant, access roads, fuel tanks, and transformers.

The project was supported through the Power Sector Expansion Project (PSEP), which is a $100 million project to support rehabilitation and expansion of the Samoa power sector by the Samoa EPC. The PSEP has about 29 subprojects including the upgrade of transmission and distribution lines, construction and rehabilitation of diesel generation, development of renewable energy resources, and installation of prepayment meters. The project is funded by the Asian Development Bank and cofinanced by the Japan International Cooperation Agency and the Government of Australia.

The project has enabled EPC to meet the growing demand for power, as well as manage the increased intermittent renewable energy being absorbed onto the grid.
ADB Energy Operations in the Pacific

Promoting Energy Efficiency in the Pacific Phase 2 $8.75 M
Promoting Access to Renewable Energy in the Pacific $3.75 M
Establishment of the Pacific Region Infrastructure Facility Coordination Office $15.20 M
Increasing Access to Renewable Energy $1.00 M

Regional

Yap Renewable Energy Development $8.73 M
Electricity System Strengthening and Sustainability $48.30 M
Improved Energy Access for Rural Communities $5.00 M
Port Moresby Power Grid Development $65.39 M
Implementation of the Electricity Industry Policy $1.00 M
MFF: Town Electrification Investment—Tranche 1 $62.07 M
MFF: Town Electrification Investment—Tranche 2 $73.60 M

M = million, MFF = multitranche financing facility.