AMERICAN SAMOA POWER AUTHORITY

CULTURAL IMPACT ON MANAGING WATER RESOURCES
LOCATION: 14º SOUTH OF THE EQUATOR AND 160-173º WEST LONGITUDE (~2,700 MILES SOUTHWEST OF HAWAII)

POPULATION: 60,000+ (CENSUS 2000)

LANDSCAPE: 76 SQUARE MILES OF MOUNTAINOUS TERRAIN AND RUGGED PEAKS WITH NARROW COASTAL PLAINS AND FRINGING REEFS.

CLIMATE: TROPICAL WITH TEMPERATURES SELDOMLY EXCEEDING THE MID 80’S.

RAINY SEASON – DECEMBER TO MARCH
MISSION STATEMENT:

“Provide quality, safe, economical and sustainable utility service in partnership with our customers, the Community of American Samoa and the Pacific Region.”
ASPA WATER DIVISION

- CONSTRUCTION
- MECHANICAL
- WATER QUALITY
- WELL DRILLING
- NEW INSTALLATION
- HYDRANTS
- LEAK DETECTION
- OPERATIONS & MAINTENANCE
- CONTRACTORS
- USGS
- ENGINEERS

- Production – 8.9 MGD
- Consumption – 6.5 MGD
- Bill Monthly – 7,500 Water Meters
ASG Main Customer & Shareholder – Consumes 70K gals/month
ASPA Industrial Customers
Tri-Union Samoa Packing
Heinz Star-Kist Samoa
Consumes 3.7MG/month
Extending the 12” mainline in the village of Pavaiai
Extending 12” Mainline in Pavaiai Village
Building Water Tanks for Village Satellite Systems
LEAK DETECTION CREW AT WORK
Fagatogo Water Reservoir
Vaipito Water Reservoir
MICROFILTRATION PLANTS

• LOCATIONS
  • FAGATOGO
  • VAIPITO

• TOTAL MAXIMUM DAILY PRODUCTION
  • FAGATOGO (1.0MGD)
  • VAIPITO (0.5MGD)
Fagatogo Microfiltration Plant
Sharing – Skill, Service and Resources
Groundwater Protection – Build Proper Septic Systems
Protecting Streams and Wetlands
A Culture Committed to Service
A Cultural Belief….plentiful today, will be plentiful tomorrow.