

# ALTERNATIVE/ADVANCED POWER SOURCES FOR COMMUNICATION EQUIPMENT

## DESCRIPTION

Alternative/Advanced Power Sources for Communication Equipment (APSCE) encompasses a suite of devices used to provide power to operate communications equipment, computers, and other electronic peripheral equipment in place of primary batteries (disposable, one-time-use, lithium batteries) and fuel-powered generators. The purpose is to limit the use of batteries, especially hazardous material-producing ones, to those unique applications where they are the only appropriate tactical choice. APSCE is structured as an umbrella program that launches a series of small projects that are executed as abbreviated acquisition programs.



## OPERATIONAL IMPACT

APSCE will improve the readiness and functionality of the MAGTF by providing greater capability to meet power sources requirements. This program exploits commercial AC/DC power converter devices, and has begun fielding three different configurations of power adaptors for the SINCGARS radio systems. Power adapters for other radio systems and battery management are in development, and sustainment efforts to bring into the Marine Corps new technology batteries, battery chargers, and battery optimizers are underway. Next-generation systems utilizing on-board vehicle power systems, fuel cells, and solar power are under evaluation.

## PROGRAM STATUS

The program has passed Milestone C and is fielding systems to Marine operating forces and the Marine Force Reserves on an annual basis. New technologies are addressed as abbreviated acquisition programs for rapid fielding or are phased out as they become obsolete.

### PROCUREMENT PROFILE:

Quantity:

FY 04

various

FY 05

various

### DEVELOPER/MANUFACTURER

Various:

PulseTech, Southlake, TX

Iris Technology, Irvine, CA

Graywacke Engineering, Mansfield, OH