



**For Details, Contact:**

**Patrick Kelly, VP Sales and Marketing**  
Coastal Environmental Systems  
820 – 1<sup>st</sup> Avenue S  
Seattle, WA  
Pkelly@coastalenvironmental.com  
www.coastalenvironmental.com  
206.682.6048

## **COASTAL ENVIRONMENTAL SYSTEMS**

### **WINS CONTRACT for Aviation Weather Stations to support the U.S. Marine Corps METMF(R) program**

**Seattle, WA:** Coastal Environmental Systems has been awarded a contract for 2 more Aviation Weather Stations to support the U.S. Marine Corps METMF(R) program. This brings the current total for this type of station to 42. The Marines use the METMF(R) to provide air support worldwide, and these two station will be “remote” units using meteor scatter tele-communications to send data. Meteor scatter is a unique telemetry mode that can send data up to 120 miles using a standard broadcast or up to 1,500 miles by bouncing the signal off of micro-meteorite trails in the upper atmosphere.

Each METMF(R) contains three Coastal WEATHERPAK<sup>®</sup> weather stations. Two stations are "remotes" which allow for the Marines to gather weather data up to several hundred miles from the central site. The other station, (also a WEATHERPAK<sup>®</sup>) is located at the central site. The stations incorporate data from wind speed and direction sensors, barometric pressure sensors (redundant), relative humidity sensors, air temperature, visibility sensor and a ceilometer. From these sensors several other measurements are calculated. The system outputs wind speed and direction, wind gust, humidity, dew point, temperature, pressure, visibility, cloud height and several pressure/aviation related variables (altimeter setting, etc.)

“The METMF(R) system is one of the most sophisticated and complex weather measuring systems ever deployed in the field,” stated Don Munro, Coastal’s CEO. “It required all of our engineers skills combined with our many years of experience building sophisticated systems for use in rugged environments to make the METMF(R) perform as needed by the Marines bringing highly accurate weather reports from very rapidly deployed equipment.”

Please see <http://www.coastalenvironmental.com/weather/wweatherpak.html> for more information on WEATHERPAK<sup>®</sup>.