

SOLICITATION FOR RESEARCH PROPOSALS

OCEAN/WIND POWER ECOLOGICAL BASELINE STUDIES

ADDENDUM

**BIDS DUE MAY 25, 2007
BY 5:00 PM**

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF SCIENCE, RESEARCH & TECHNOLOGY

MAY 11, 2007

OCEAN/WIND POWER ECOLOGICAL BASELINE STUDIES
SCOPE OF WORK FOR RESEARCH SOLICITATION
ADDENDUM

All bidders shall respond to these additional requirements of the Solicitation for Research Proposal (SRP):

1) The following shall be added to the Marine Mammals section (page 7 of the SRP) in the second paragraph concerning aerial line-transect surveys.

As part of the aerial line-transect surveys for marine mammals in the Study Area, the contractor shall assess the abundance of seals on the shoreline. Aerial surveys shall be conducted by the contractor once per month from October through April during the 18-month survey period following published methods (see Gilbert et al., 2005 and references contained therein). This survey will be conducted in close proximity and parallel to the shoreline of the Study Area using an aircraft flying at an altitude of approximately 450-500 feet within 2 hours of mid-day low tide. Counts of seals shall be based on visual observations and photodocumentation (i.e., a digital camera with an appropriate telephoto lens) of all seal haul-out sites along the shoreline of the study area.

2) The following shall be added to the Marine Mammal boat line-transect surveys and hydrophone surveys (page 7) and Sea Turtle boat line-transect surveys (page 8):

On each transect the contractor shall conduct water column profiles of conductivity, temperature and depth (i.e., CTD casts) from two locations. These locations shall be within the first third and last third of each transect. These data shall be used to create temperature and salinity profiles for each survey.

3) The following details shall be added to the line-transect surveys for marine mammals and sea turtles:

The contractor shall estimate a correction factor (i.e. $g(0)$) for all line-transect surveys to estimate the number of animals missed during surveys. Details on the methods to be used (e.g., circle-back method, additional observers) shall be included in the proposal. The contractor shall also detail how data will be recorded on all surveys (e.g., additional person, voice recording).

References:

Gilbert, J.R., G.T. Waring, K.M. Wynne and N. Guldager. 2005. Changes in Abundance of Harbor Seals in Maine, 1981-2001. *Marine Mammal Science*, 21(3): 519-535.