

**REQUEST FOR ESTIMATES FOR PROFESSIONAL SERVICES
LAND USE/LAND COVER DATA
ISSUED BY THE DELAWARE OFFICE OF MANAGEMENT AND BUDGET
OMB12007-LANDUSE**

I. Overview

The State of Delaware, Office of Management and Budget (State), seeks to obtain estimates for a project to begin in early 2013 to update the Land Use/Land Cover GIS data set covering the whole of the state of Delaware for use as a key component of the Delaware Spatial Data Framework. The State will be receiving 2012 orthorectified imagery of the entire state from USGS in early 2013. This imagery would be provided to the selected contractor to be used as the basis for photo-interpretation to update the state's existing Land Use/Land Cover data set.

II. Scope of Services

Estimates are being sought to complete a project which will encompass the photo-interpretation of 2012 ortho-imagery to update the 2007 Land Use and Land Cover data set for the state of Delaware. The deliverable of the project will be a polygon-based land use/land cover GIS data set using the "Anderson" land use/land cover scheme (*A Land Use And Land Cover Classification System For Use With Remote Sensor Data*, USGS Professional Paper 964¹).

The resulting data set shall be based on interpretation of the 2012 Aerial photography and shall be designed as an update of the 2007 land use/land cover data set². The estimate shall take into consideration the minimum mapping unit size of the existing data set (1/4-acre wetlands and 2-acres uplands) and shall result in a meaningful time-series comparison with the 2007 data set.

In 2007 the State further refined the forested wetlands data classifications to include six additional classes: Tidal Forested Wetland, Tidal Scrub/Shrub Wetland, Tidal emergent Wetland, Non-tidal Forested Wetland, Non-tidal Scrub/Shrub Wetland, and Non-tidal Emergent Wetland. These categories will be maintained in the updated Land Use/Land Cover dataset with change detection. Therefore the estimate shall include the update of these refined forested wetland components.

The estimate should be based on the fact that the State will provide the digital 2012 aerial-imagery to accomplish the scope of services outlined above.

III. General Considerations

¹ <http://landcover.usgs.gov/pdf/anderson.pdf>

² http://stateplanning.delaware.gov/info/lulcdata/2007_lulc.shtml

The estimate shall be based on the fact that all products shall be orthorectified and georeferenced within the Delaware State Plane Coordinate System (NAD83 Horizontal Datum and NAVD88(91) Vertical Datum, in meters), as outlined in 6 *Del. Code*, §5502(b)³.

The estimate should include the creation of complete FGDC-compliant metadata⁴ for all products.

The estimate should take into consideration that the final product shall result in digital data files that are capable of being made fully and freely available (i.e. Public Domain) to state agencies and to county and local governments and their subcontractors as well as to all others at the discretion of the State. The data and associated files shall also be available without restriction to the United States Geological Survey or other federal agencies for use in federal-state cooperative agreements and other similar arrangements.

The estimate shall take into consideration that the tasks and responsibilities may include the following:

1. Provide complete project management.
2. Provide photo-interpretation of the aerial imagery to update the state's existing land use/land cover data set using the *Anderson et al* classification scheme.
3. Create and provide GIS data files of the land use/land cover data set, in several GIS formats to be determined at the RFP stage. These formats may include, but not be limited to, ArcView Shapefiles, Arc Geodatabases, and other similar files.

IV. Designated Contact

All requests, questions, or other communications about this Request for Estimates shall be made in writing to the State of Delaware. Address all communications to the person listed below:

Miriam L. Pomilio
Office of State Planning Coordination
OMB12007-LANDUSE
Office of Management and Budget
122 William Penn Street, Suite 302
Haslet Building, Third Floor
Dover, DE 19901
Miriam.Pomilio@state.de.us

To ensure that written requests are received and answered in a timely manner, electronic mail (e-mail) correspondence is acceptable, but other forms of delivery, such as postal and courier services can also be used.

³ http://www.delcode.state.de.us/title6/c055/index.htm#P23_704

⁴ <http://www.fgdc.gov/metadata/geospatial-metadata-standards>

V. Estimates

To be considered, all estimates must be submitted in writing and respond to the items outlined in this Request for Estimate.

All estimates are to be sent to the State of Delaware and received no later than **4:30 PM EST** on July 20, 2012. The Estimates may be delivered by Express Delivery (e.g., FedEx, UPS, etc.), US Mail, or by hand to:

Miriam L. Pomilio
Office of State Planning Coordination
OMB12007-LANDUSE
Office of Management and Budget
122 William Penn Street, Suite 302
Haslet Building, Third Floor
Dover, DE 19901
Miriam.Pomilio@state.de.us

Any estimate submitted by US Mail shall be sent by either certified or registered mail. Estimates must be received at the above address no later than **4:30 PM EST** on July 20, 2012. Any estimate received after this date shall not be considered. The vendor bears the risk of delays in delivery.

Upon receipt of vendor estimates, each vendor shall be presumed to be thoroughly familiar with all specifications and requirements of this Request for Estimate. The failure or omission to examine any form, instrument or document shall in no way relieve vendors from any obligation in respect to this Request for Estimate.