

Tree Canopy Cover Assessment Request for Proposals Specifications



Notice: The following specification is provided by the N.C. Forest Service for informational purposes. The prospective user should have their legal counsel review and approve the use of any of this content to meet their needs.

- I. Scope of services
 - a. Provide land cover analysis to provide management information of the municipality and geographic areas within the municipality for urban forestry and land use planning.
 - b. Quantify ecosystem services provided.
- II. Methodologies & outputs
 - a. Geospatial/GIS high resolution imagery analysis
 - i. Analysis
 - 1. Latest available high resolution NAIP aerial imagery
 - 2. Quality control and quality assurance process
 - 3. Statistical confidence 94% or greater
 - ii. Land cover outputs %
 - 1. Tree canopy cover
 - 2. Impervious space
 - 3. Other vegetation, shrub cover
 - 4. Soil/bare earth
 - 5. Surface water
 - 6. Possible tree planting area
 - iii. Quantify ecosystem services provided at municipal scale
 - b. Geographies to be analyzed
 - i. Municipality or subject area limits
 - ii. Land use
 - 1. Residential
 - 2. Commercial
 - 3. Industrial
 - iii. Public property
 - 1. Street rights of way
 - 2. Parkland
 - 3. Other public property
 - iv. Census block groups
 - v. Watersheds
 - vi. Zoning districts
 - vii. Extraterrestrial jurisdiction (if applicable)
- III. Reporting
 - a. Report -- a simple, infographic style tree canopy cover assessment report with limited narrative and graphics that summarizes the purpose, methods and findings for a non-U&CF professional and public audience. The expectation is a report template design will be developed for use on all analyses completed, no customization.
 - i. Purpose
 - ii. Methods
 - iii. Findings

Tree Canopy Cover Assessment Request for Proposals Specifications



- iv. Land cover analysis results
 - v. Planting opportunities
 - vi. Ecosystems services provided
 - b. Maps
 - i. Municipality illustrating land cover categories
 - ii. Each geography
 - c. Copy of shapefiles
- IV. Questionnaire and experience
 - a. Number of years completing canopy cover assessments?
 - b. Number of clients served?
 - c. Describe the data layers, source, and present and future spatial and temporal resolutions that will be employed in completing the canopy cover analysis.
 - d. Canopy cover assessment team: list the team lead, team members and responsibilities.
 - e. Does your company offer a web-based canopy cover assessment management tool application?
 - f. References
 - i. Provide three municipal customers served within the last two years.