

## Pre-Proposal Conference Questions

- 1) Item 3.2, Page 15 - The Urban Ecosystem Analysis and CITY green reporting will not include Annual Energy Savings. This feature was removed from the software some time ago due to modeling difficulties. Is this a required output?
- 2) There is an inconsistency in the desired land cover classification scheme. Item 3.1, Page 14 lists the desired land cover classes to be woody vegetation, non-woody vegetation, impervious surfaces, open space, water and bare soil (six classes). Item 3.2, Page 15 lists the desired land cover classes as woody vegetation, non-woody vegetation, impervious surfaces, open soil and water (five classes). Which land cover classification scheme would the City of Albuquerque like to go with?
- 3) Will the Zoning, Political Districts and Land Use ESRI Shapefiles be available for proposal design? **Yes, they are currently available online and updated on a monthly basis.**
- 4) Will the City of Albuquerque be willing to share selected Project Deliverables with interested NGOs like Trust for Public Land and Trees New Mexico currently working on project for the City of Albuquerque?
- 5) What GIS data does the City of Albuquerque have available to enhance the impervious surface classification? (building footprints, street centerlines, sidewalks, curb areas, pavement, parking lots, etc.)

**Only limited building footprints available (UNM, Downtown, Uptown). Street centerlines available on download page. Limited curb data available. Nothing for pavement or sidewalks as far as I know. Parking lots may be extracted from Land use data.**

- 6) What accuracy requirements would the City of Albuquerque like to put on this project? (horizontal positional accuracy, overall classification accuracy (LandSat vs. QuickBird), etc.)
- 7) Will the City of Albuquerque have personnel available to assist in ground truthing?
- 8) Does the City want the raw imagery? **Yes**

- 9) Section 3.2, Project Tasks, Page 15, Bullets 2 and 5
  - a. The Anderson Level I categories are well defined and documented. Is the City's definition of "woody vegetation" the same as the Anderson Level I "Forest" category? If not, can the City provide a definition or example of the "woody vegetation" category?
  - b. Can the City provide definitions or Anderson equivalents for the "non-woody vegetation" and "open soil" land cover categories?
  - c. If no definitions for the previously referenced land cover categories are available for the proposal process, will this information be developed through discussions with the City upon contract award?
- 10) Section 3.2, Project Tasks, Page 15, Bullet 6

Should the Landsat or high-resolution imagery be used for the pervious/impervious surfaces analysis? Should we analyze both the high and medium resolution imagery? For what year or years should the analysis be performed?
- 11) Section 3.3, Project Tasks, Page 15, Bullets 3 and 7

Our interpretation of the document is that the work described in Bullet 3 is to be performed with the 2007 high resolution imagery and the work in Bullet 7 is to be performed with the Landsat imagery. Please confirm this interpretation.
- 12) Section 3.3, Project Deliverables, Page 16, Bullet 1

We assume that both the Landsat and the high resolution imagery is to be delivered in the MRSID format. Please confirm this.
- 13) Other Questions
  - a. Has the City previously identified specific high resolution images for this project or should the vendor select the images? If the vendor will be selecting the images, what is the ideal time of year for leaf-on images?
  - b. What previous studies or projects performed has the City performed or contracted for that might provide supporting information for this project's proposal process?
  - c. How many trips will the winning vendor be required to make to Albuquerque?
  - d. Will a list of the attendees of the pre-proposal conference be available?
  - e. How does this study fit into or support the City's overall vision and strategy for its Urban Forests?
  - f. Is the extent of the city of Albuquerque correctly defined by the shapefile downloaded from <http://www.cabq.gov/gis/download.html> and shown on Figure 1? **YES**
  - g. The electronic copy we downloaded from the web site does not contain Appendix A? Where can be obtained a copy of Appendix A?

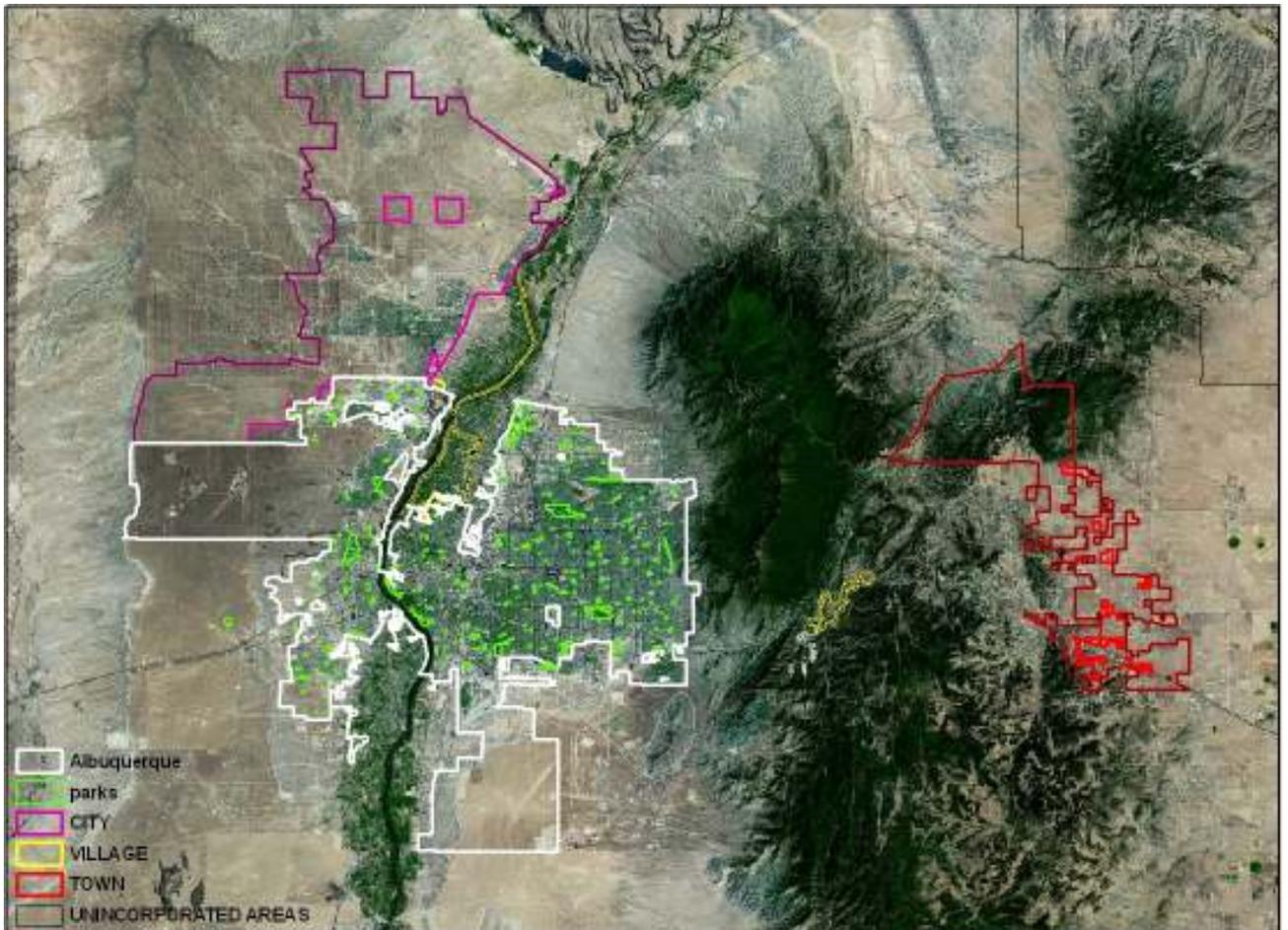


Figure 1: Shapefile of Albuquerque

On the question regarding 'summer energy savings'... I checked with the original creator of the software package and changes in procedure and modeling methods have made that option unusable without field verification. However, a program thru the US Forest Service provides the data and they can research that option.

Please remove it as a requirement and provide this alternative.

"Using the USFS STRATUM or similar modeling software or field data collection and verification methods to provide energy and other cost benefit analysis"

It should still be a separate line item for cost.

STRATUM uses street tree inventory data to quantify the dollar value of annual: energy conservation, air quality improvement, CO<sub>2</sub> reduction, storm water control, and property value increase.

It uses local inputs to get accurate numbers for the city but it is not designed for 100% tree inventories... only street trees.

It will still apply to our needs because of the value of knowing more info on city owned trees and municipal infrastructure costs and savings

1. It mentions, for the high-res map, an open space category. How does this differ from the non-woody vegetation category? Is it analogous to the USGS' Developed Open Space category? This class is only mentioned in 3.1 Project descriptions and not in 3.2 Project tasks. Which one is correct?
2. For the Pervious/Impervious map, do you want this done using the high-resolution imagery or the Landsat imagery? If it is to be done using the high-res imagery, is leaf-off imagery available, or is this to be done using the leaf-on imagery?

Question 1. The City is looking for areas that have extremely low vegetation (open space) and areas that are covered with vegetation other than trees (non-woody)

If the respondent to the RFP can accomplish this more cost effectively with High resolution then they should high light it in a line item the same is true for landsat.

Question 2. The City is looking to delineate pervious and impervious areas to enable urban forest planting plans, water harvesting plans, and erosion control. If the RFP respondent can cost effectively accomplish this layer in lansat or High def they should line it out and define their approach.

As far as I know no leaf-off imagery is available, therefore leaf on should be used with a statement of accuracy or error and percent accuracy or error.