

Atlanta Interactive Design (AID)

Application Quick Start Guide

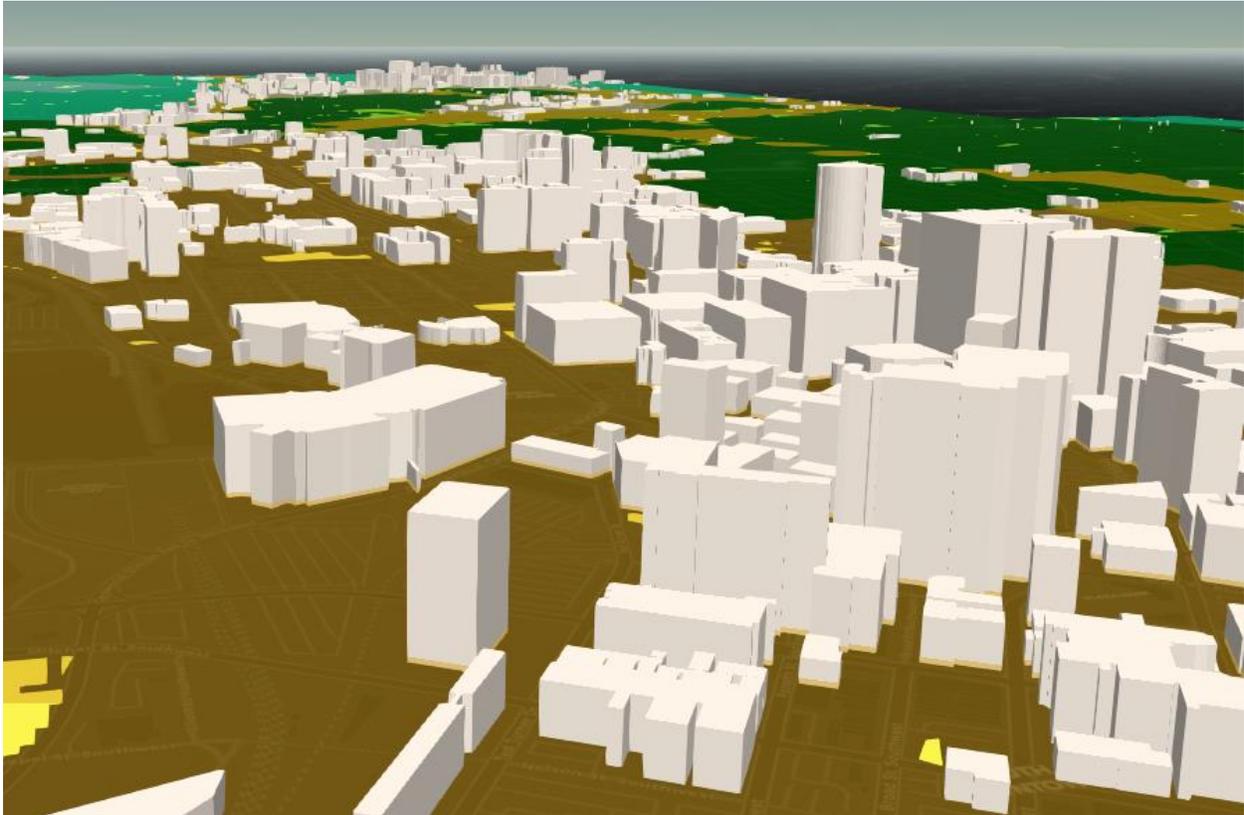


Figure 1 - The City of Atlanta as Seen in the AID Application

The Atlanta Interactive Design application is the heart of the Atlanta City Design project – this web-based planning tool is accessible from any internet browser, however performance is best on desktop computers using modern browsers (Chrome, Firefox, Edge etc.). The tool allows for on-the-fly adjustment of zoning parameters such as housing & employment density and lot coverage to determine the resulting total population and employment capacities of the City of Atlanta. Parameters are adjusted by land use designations as determined earlier in the project. Once a scenario has been created it can be exported and viewed in the Atlanta City Viewer application, or summary tables and charts produced for digital archival or further planning utility.

Getting Started with the Atlanta City Design Web Applications

The AID application is accessible from the Atlanta City Design homepage

<http://geospatial.gatech.edu/AtlantaCityDesign/>

or directly, at the following subdirectory:

<http://geospatial.gatech.edu/AtlantaCityDesign/AID/>

The application's default view is a high level overview of the city, symbolized based on the determined land use designations with buildings shown in 3D.

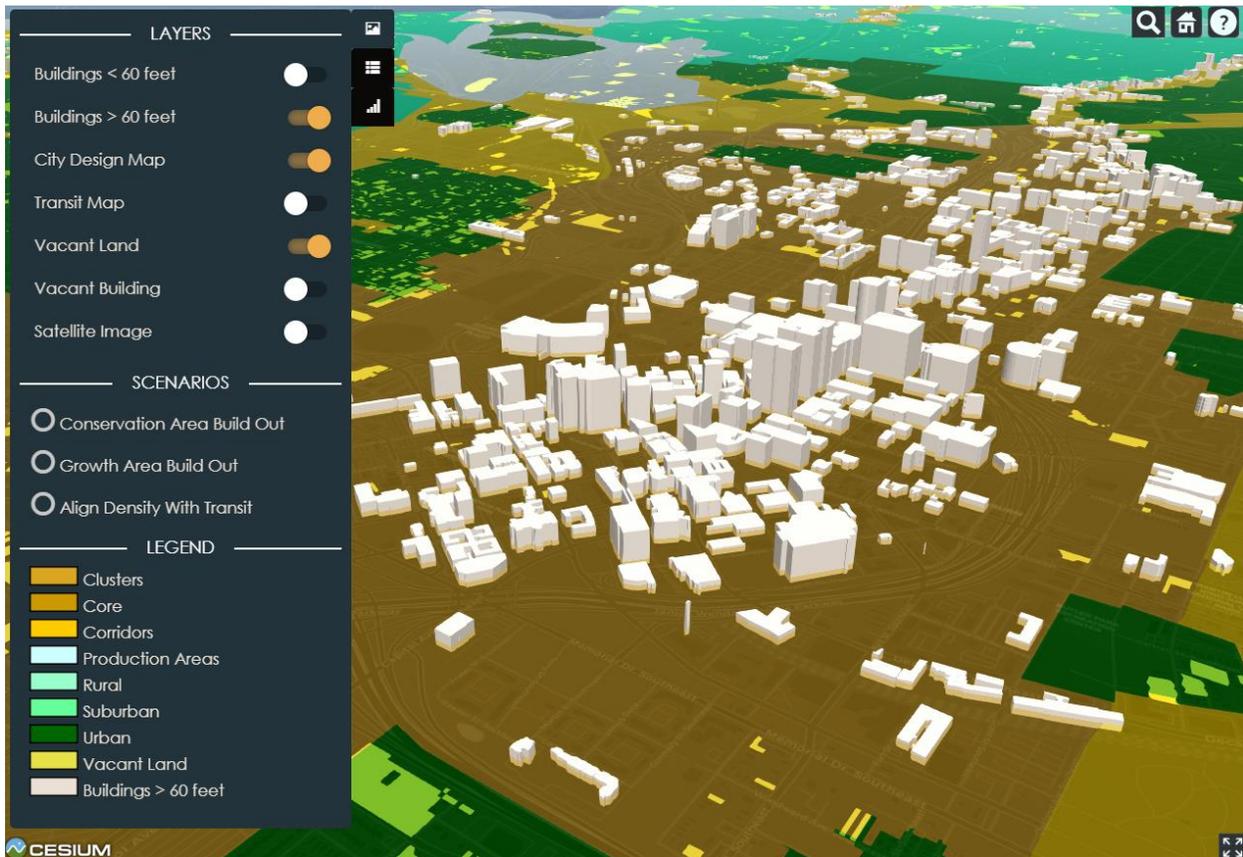


Figure 2 - Atlanta Interactive Design (AID) Application Home Screen

Navigation in the application is similar to other browser-based mapping applications: click and drag to pan the map, use the scroll wheel to zoom, and wheel-click and drag to tilt. In the upper right corner of the application are the main navigation tools:



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On the left hand side of the application is the main control panel that contains toggles for visible layers, sliders for parameter settings, and summary and export tools.

The image shows a dark-themed control panel for a web application. It is divided into three main sections: LAYERS, SCENARIOS, and LEGEND. The LAYERS section contains seven items, each with a toggle switch: Buildings < 60 feet, Buildings > 60 feet, City Design Map, Transit Map, Vacant Land, Vacant Building, and Satellite Image. The SCENARIOS section contains three radio buttons: Conservation Area Build Out, Growth Area Build Out, and Align Density With Transit. The LEGEND section contains eight color-coded boxes with corresponding labels: Clusters, Core, Corridors, Production Areas, Rural, Suburban, Urban, Vacant Land, and Buildings > 60 feet. On the right side of the panel, there are three icons: a map icon, a list icon, and a bar chart icon. A vertical red line is on the left side of the panel, and a vertical red line is on the right side of the panel. Red lines with arrows point from text labels to these features.

Map Layer Toggles for changing data and layer visibility

Dynamic Legend to display the symbols for layers currently on the map

Main Panel

Scenario

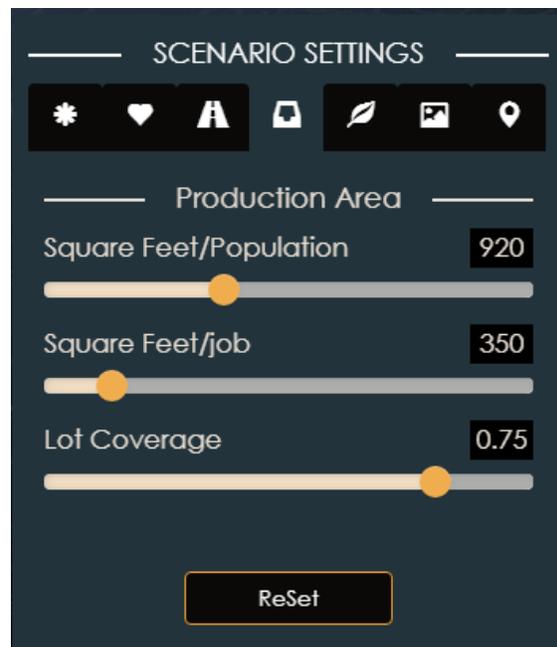
Parameter Settings

Summary Charts and Export Tools

Radio Buttons for switching between predefined Featured Scenarios

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Changing the tab to Scenario Settings reveals the parameters that are adjusted to determine population and employment totals for the City. Switch between Areas using the top banner. For the Clusters, Core, and transportation Corridors, population and employment densities are changed via text box (left). For the Production, Rural, Suburban, and Urban areas, per capita domicile and workspace square footage requirements can be manipulated via slider or textbox (right). For all areas, the allowable percent of Lot Coverage is an adjustable parameter.



Clicking ReSet returns the scenario to the base (current-day) state.

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After the parameters have been adjusted to from a unique scenario, options to export the information are found on the Summary tab. The totals for population and employment calculated from the set parameters are displayed along with a break down by land use Area.

