



Park Walkability Web Application

Providing urban communities with web-accessible information about parks and other public open spaces in and around their neighborhoods

Hoping to engage both urban residents and outside visitors, Chesapeake Conservancy has developed a web application for finding public open spaces in cities across the country. Users can enter an address in a desktop web-browser or their mobile device to display which open spaces are within a 5, 10, or 15-minute walk from that location. Each park entry includes a direct link to Google Maps, pre-configured with directions from the provided location. In the future, the application will include information about park amenities and facilities such as athletic fields and drinking water.

The app uses a database of “services areas” created in ArcGIS Network Analyst to determine the area of accessibility for public open spaces in urban places. During development, non-walkable streets such as highways and restricted-access industrial roads are removed from the network. To ensure that it is functional on all modern browsers and devices, the user-interface was created with HTML and ArcGIS API for JavaScript.

