

Geospatial Data and Voice-Enabled Artificial Intelligence

Supplemental Materials

An accessible Leafing Collection application for persons with disabilities is provided on this page.

Please enter your address in the map below to find your leaf collection pick up date.

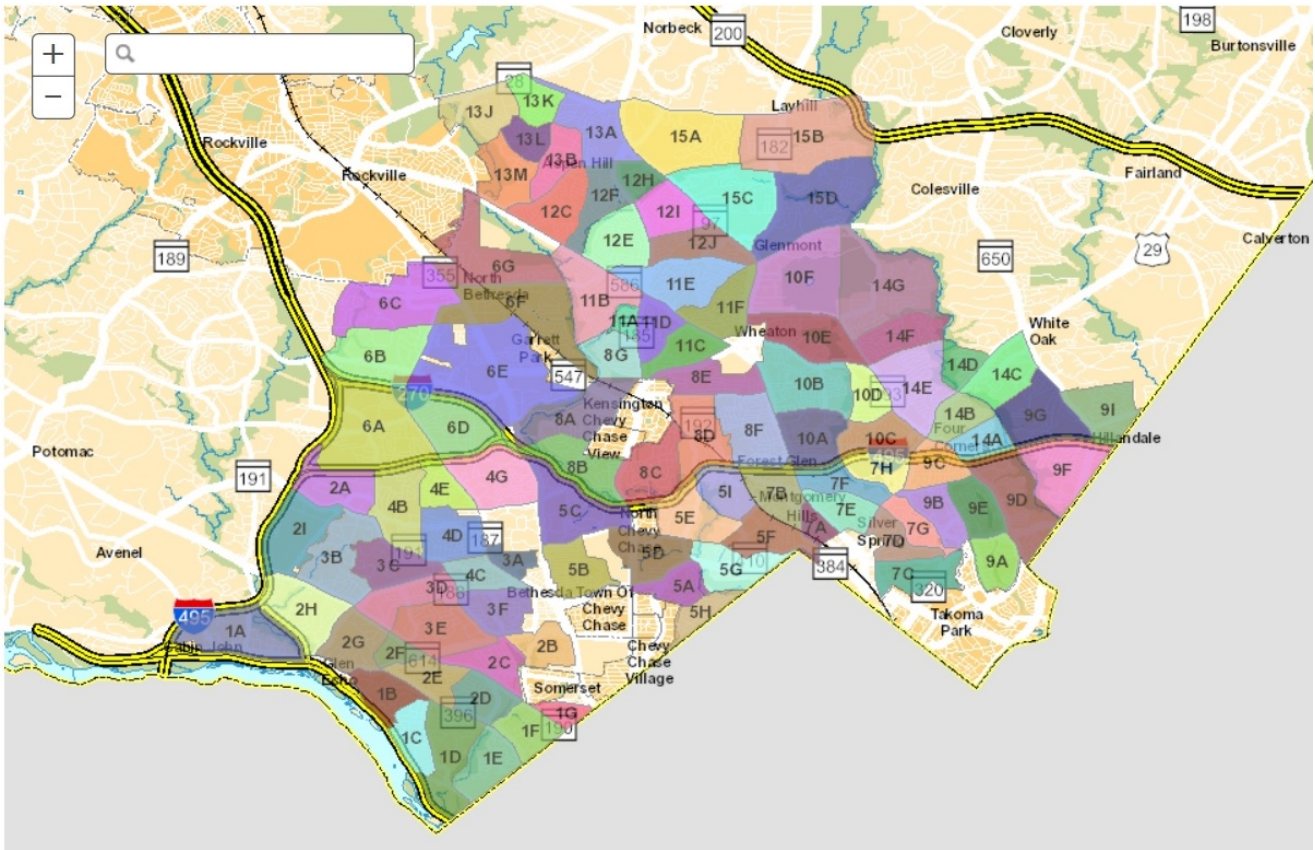


Figure 1. The leaf vacuum zones that the DOT Highway Services is responsible for.

Montgomery County, Maryland

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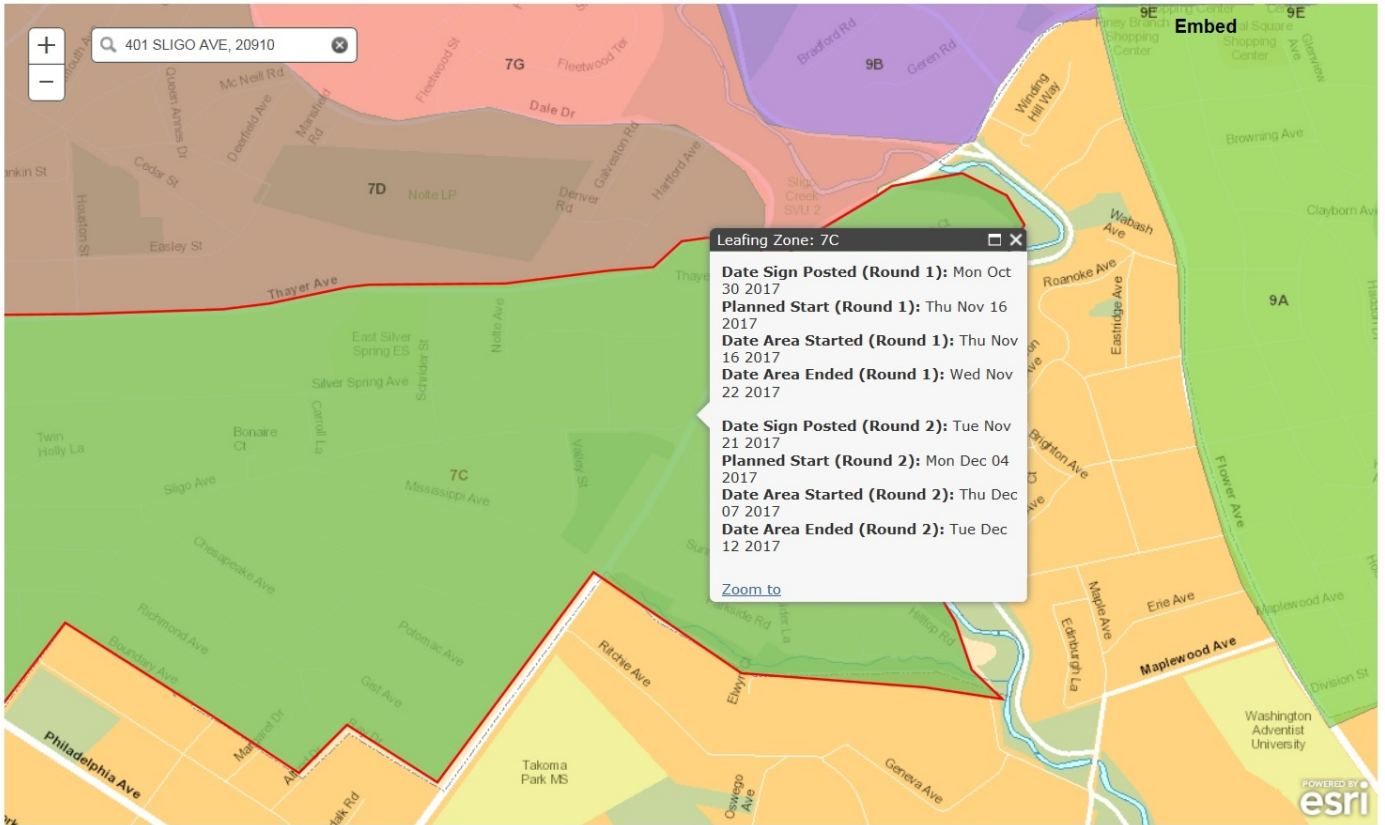


Figure 2. With the input of address, Viewer displays the vacuuming dates for the zone that the address falls in.

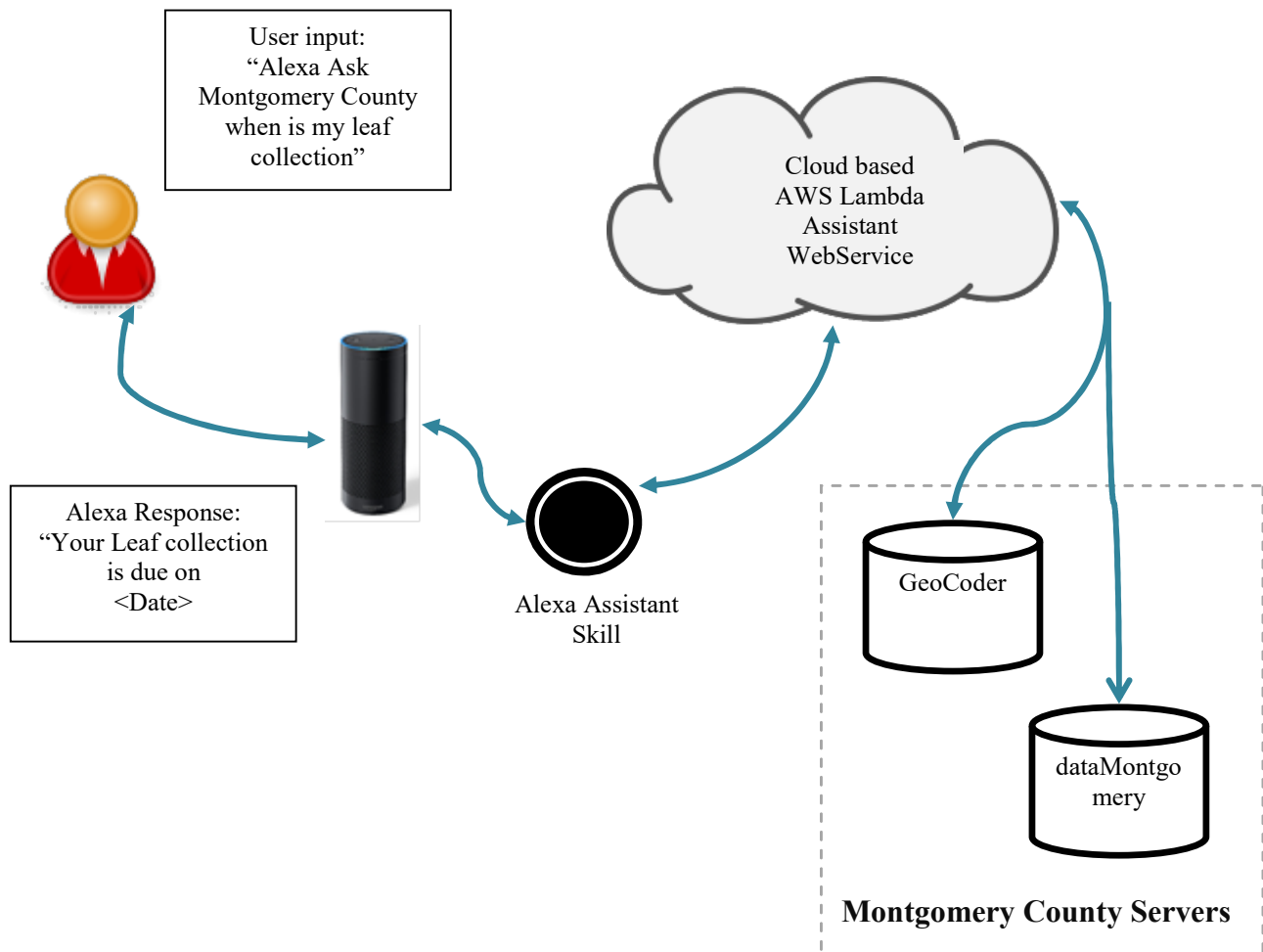


Figure 3. The architecture of the Alexa based citizen to County interaction paradigm



Figure 4. The (young) County resident got her question “When is my leaf collection?” answered by the Amazon Alexa.