South Carolina Broadband Mapping
Broadband Service Provider and Infrastructure Owner Data

South Carolina Act 142 (2020) directs the South Carolina Office of Regulatory Staff (ORS) to secure a vendor for the development of a broadband statewide county-by-county mapping plan to assist in determining where access to broadband has impeded the delivery of distance learning, telework, and telehealth for the most vulnerable population of South Carolinians impacted by COVID 19. CostQuest Associates, Inc. has been engaged by ORS to perform various Geographic Information Systems (GIS)-related services associated with this mapping project. Specifically, CostQuest is processing broadband service provider data to analyze the current state of broadband attributes across South Carolina and identify the number of broadband serviceable structures and their map-based locations in served and unserved areas of the State.

To facilitate this project, ORS is requesting all broadband service providers and broadband infrastructure owners operating in South Carolina to submit data and information on the availability of broadband service at delivered download and upload speeds and by technology type for each address in the state serviceable by the broadband service provider or infrastructure owner.

All data and information submitted by a broadband service provider is subject to the Broadband Service Non-Disclosure Agreement (*Attachment 1*) and, pursuant to S.C. Code of Laws Section 58-4-55, will be maintained as confidential, proprietary, and a trade secret exempt from disclosure under state and federal law, including Chapter 4 of Title 30 of the South Carolina Code of Laws, except in the form of a map where information that could be used to determine provider-specific information about the network of the broadband service provider is not disclosed. Provider-specific confidential or proprietary information will not be released to any person other than to the submitting broadband service provider, employees of ORS, attorneys employed by or under contract with ORS, CostQuest Associates, Inc., and any other agents designated to assist ORS in this mapping effort without express permission of the submitting broadband service provider.

Please direct all questions regarding this request to mapping@ors.sc.gov. Below are detailed instructions and next steps for submitting requested data.

All requested data must be submitted to ORS by September 25, 2020.

Data Request:
Provide a list of all addresses located in your South Carolina service territory currently **served or qualified** for service by broadband at speeds of 25/3 Mbps or greater. For purposes of this project, an address is considered "served" or "qualified for service" if it can be provisioned for service within 10 business days of a customer order using technologies capable of providing broadband at speeds of 25/3 Mbps or greater[1].

Data Submission Instructions:
1. Extract broadband availability data for all counties that you serve in South Carolina. The data extract can be for all South Carolina counties in one file or in separate county files, if you choose.
2. Prepare data extract file(s) as either shapefiles or CSV format according to the data schema/fields listed below. If CSV, please qualified text fields with "".
3. Notify ORS by emailing mapping@ors.sc.gov when the data extract is complete. ORS will provide detailed instructions for the secured upload of your data file(s) and Broadband Service Non-Disclosure Agreement.

---

[1] For this effort, "provisioned for service" would mean providing the defined broadband service to the customer's premise through the normal course of business, and without a commitment of extraordinary resources. This would also include locations that are required to be served under other grant, subsidy, or loan programs.

Data Schema/Fields:

1. *UniqueID*: A unique identifier for each address/location/record. As this ID will be used to speed subsequent iterations of address matching, please populate with a value which your organization can reproduce in future submissions.

2. *StNumber*: Street number of address

3. *Unit*: Address unit value where available (e.g. apt#)

4. *StName*: Name of street on which address is located (example: W Main St)

5. *StAddress*: Street Address of location

6. *City*: City of address

7. *State*: State of address

8. *ZIP*: 5-digit Zip Code of address

9. ZIP4: Last 4-digits of 9-digit Zip Code of address (optional)

10. *County*: County in which address is located (optional)

11. *Latitude*: Latitude of address location (WGS84 decimal degrees)

12. *Longitude*: Longitude of address location (WGS84 decimal degrees)

13. *SpeedFlag*: Indicating the tiered category of the HIGHEST speed at which you can serve the address within 10 business days of an order:
    a. 25_3   (can serve the address with AT LEAST 25/3 Mbps)
    b. 100_10   (can serve the address with AT LEAST 100/10 Mbps)
    c. 100_100   (can serve the address with AT LEAST 100 Mbps symmetrical)
    d. 300_300   (can serve the address with AT LEAST 300 Mbps symmetrical)
    e. 1000_1000   (can serve the address with AT LEAST 1 Gbps symmetrical)

14. *Tech*: Type of transmission technology deployed to provide broadband service at indicated SpeedFlag
    a. Fiber
    b. HFC
    c. Coax
    d. DSL (VDSL, ADSL+, other)
    e. Fixed Wireless