

KANAWHA COUNTY COMMISSION

Post Office Box 3627
Charleston, West Virginia 25336



Telephone (304) 357-0101
Fax (304) 357-0788
www.kanawha.us

Henry C. Shores
Commissioner

W. Kent Carper
Commissioner

David J. "Dave" Hardy
Commissioner

November 15, 2007

Wireless Tower Access Assistance Fund
Public Service Commission of West Virginia
P.O. Box 812
Charleston, WV 25323

TAF KANAWHA OTA

Dear Chairman Hoge:

Please find enclosed the application from Kanawha County for funding through the Wireless Tower Access Assistance Fund for the grant period beginning November 15.

This application seeks funding to improve communications for the Cabin Creek area of Kanawha County that is underserved in its communications infrastructure. I respectfully submit this proposal for the committee's consideration.

Sincerely yours,

A handwritten signature in black ink, appearing to read "W. Kent Carper", is written over the typed name.

W. Kent Carper
President

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W. VA. PUBLIC SERVICE
COMMISSION
SECRETARY'S OFFICE



Public Service Commission of West Virginia
PO Box 812, Charleston, WV 25323

**WIRELESS TOWER ACCESS ASSISTANCE FUND
GRANT APPLICATION**

This application form and all grant application requirements are pursuant to General Order No. 187.29 and the *Rules and Regulations Governing Emergency Telephone Service*, Series 25, Title 150 Legislative Rule, Public Service Commission 150-25-1 to 150-25-13.6.a.

Grant Request

(Print or type; Use additional sheets and attachments as necessary)

1. The Project Sponsor is the Kanawha County Commission, which shall, if a Grant is awarded, be designated as the Grantee.

2. Names of other entities, if any, joining the Project Sponsor in this Application:

Verizon Wireless, AT &T wireless

3. Main Overall Contact Person regarding this Application:

Name David Erwin Title EOC Coordinator

Phone 746-8713 Cellular 993-0329

Fax 746-7924 Email address derwin@metro911.org

4. Tower type: Guide x Self supporting _____ Monopole _____

5. Tower height: 300 ft.

6. Tower location: Latitude: 38.03.44.1N , Longitude: 081.24.37.4W

7. Tower base elevation above average mean sea level: 2000 ft.

8. Name of tower location: Cabin Creek

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WV PUBLIC SERVICE
COMMISSION
SECRETARY'S OFFICE

RECEIVED

9. Will FAA approval be needed? Yes x , No If yes, provide details:
proposed tower height over 180 feet

11. Is approval needed from the State Historical Preservation Office? Yes ☐ , No ☒

12. Is approval needed under the National Environmental Protection Act?
Yes ,No

13. Is any zoning approval needed? Yes , No x If Yes, provide details:

14. Tower site property is: Owned , Leased x

15. How soon after a grant is received will construction begin? _____ within 1 year _____
[Rule 13.2.a.8]

16. How long will it take to complete the Project? 1 year
[Rule 13.2.a.8]

17. a. Do the Project Sponsor and all Co-Applicants agree to adopt the State Interoperable Radio Tower Specifications for the Project? Yes x, No _____

b. Will the Project use a State Interoperative Radio “package design” for the proposed tower? Yes x, No If No, why not?

18. Does the Project Sponsor (County) agree to require the contractor(s) to provide a performance bond(s) and a payment bond(s) covering completion of the Project and to submit copies of the bond(s) to the TAAFRC upon receipt? Yes ☒ , No ☐

PLEASE ATTACH TO YOUR APPLICATION, RESPONSES TO THE FOLLOWING QUESTIONS:

19. How will public health and safety benefit from completion of the Project? [Rule 13.2.a.1.]
20. Are there any other state or regional planning goals that the Project will help accomplish? Provide details. Of special importance is information regarding how the Project will fit in with State radio/telecommunications interoperability goals. [Rule 13.2.a.7]
21. Provide the total Project cost, with an itemization of all underlying costs in as much detail as feasible.
22. Provide information regarding all other towers, if any, within a three-mile radius of the Project.
23. Provide complete details of the financing of the Project, with an explanation of why a grant subsidy is necessary for the Project. How much grant money is sought? [Rules 13.2.a.3. and 13.2.a.5]
24. Are there any other feasible funding sources for the Project? What are they and in what amounts? Is Public Service Commission assistance necessary in obtaining funding from such other sources? If so, what assistance is necessary? [Rule 13.2.a.5.]
25. In your opinion, can the Project proceed without the assistance of the requested grant? Provide your rationale for your answer. [Rule 13.2.a.3.]
26. Are there any alternatives which would accomplish the same objective as the Project? Compare the financial feasibility of the alternatives with the cost of the Project. Compare the efficiency of the alternatives with the efficiency of the Project. [Rule 13.2.a.4.]
27. Will the proposed Project tower be suitable for multiple user applications? Provide support for your answer. [Rule 13.2.a.9]
28. How will the Project improve cellular coverage and/or make current coverage more reliable? Include, inasmuch as feasible: (1) information regarding the population of the affected area; (2) information regarding roadways, such as Interstates, which have significant traffic flows; (3) the adequacy and efficiency of other wireless communications facilities, if any, in the area to be served by the Project. [Rules 13.2.a.2. and 13.2.a.10.]

29. Who will be the owner or owners of the Project tower once the work subsidized by the grant sought herein is completed? Who will be the operator or operators?

30. Does the Project tower operator have the expertise, staffing and financial resources to operate and maintain the tower if the Project is approved and constructed? Provide support for your answer. [Rule 13.2.a.6]

31. With which codes, specifications, standards, etc. must the Project comply?

32. For joint endeavors, provide information regarding all participants in addition to the Project Sponsor. Such information should include full details regarding a contact person for each participating entity.



KANAWHA COUNTY
POLICE | FIRE | EMS

**Metro Emergency Operations Center
of Kanawha County**

200 Peyton Way, Charleston, WV 25309

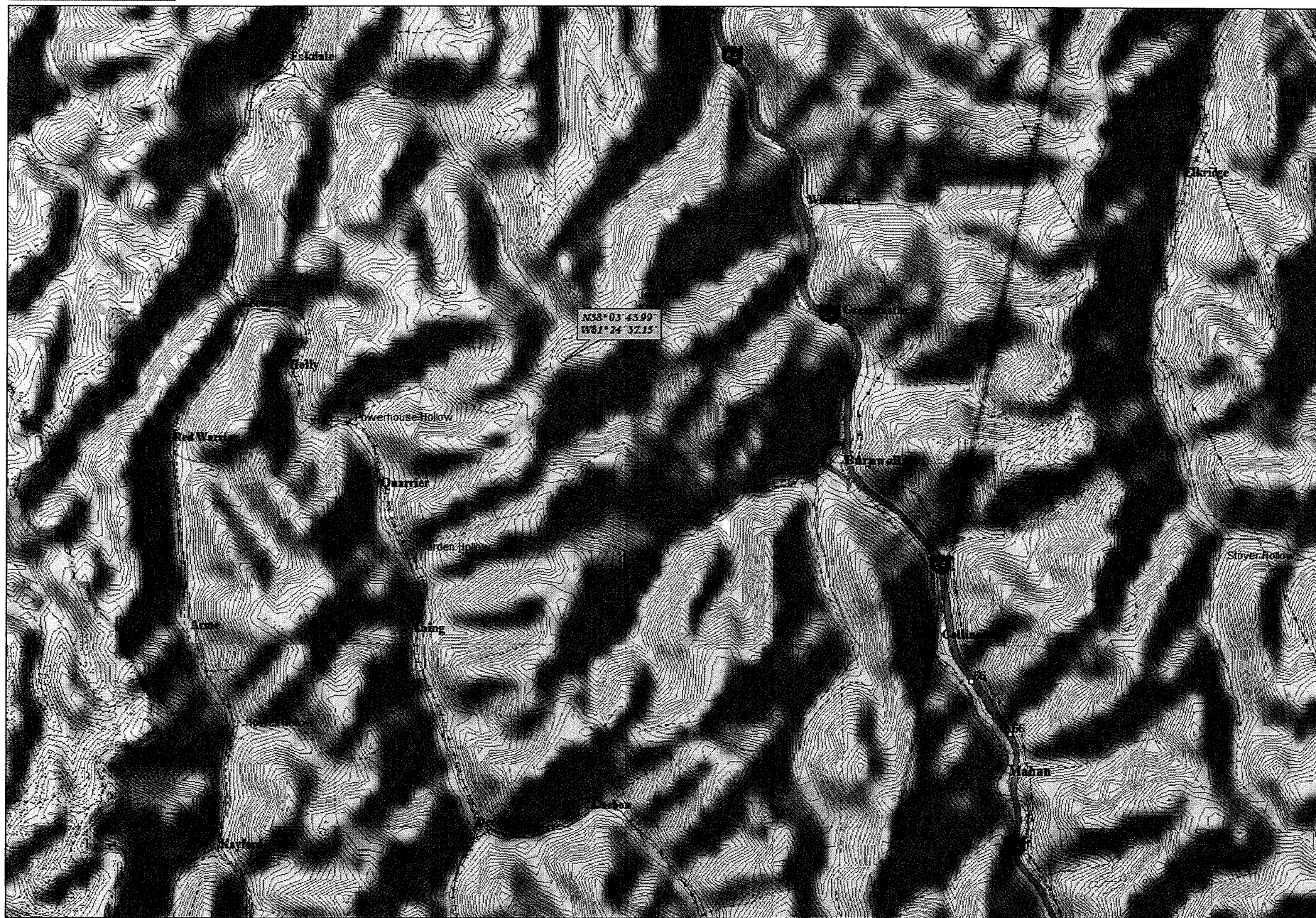
304.746.7911 ph

304.746.7914 fax

www.metro911.org

- 19) The proposed tower will provide a significant benefit for the health and safety of the people of Kanawha County. In this area, Metro 911 experiences poor communications coverage with its public safety agencies providing police, fire and emergency medical services. Further, there is no wireless coverage for customers in this area. As a result, the funding of this request and building of this tower would help improve the ability of first responders to provide protection and wireless customers to reach 911 in time of emergency.
- 20) It has been our goal to have the tower benefit the state IRP project, as well as any other interested entities. We have been working with the IRP committee, but at this time the proposed tower site is not in their plan due to the distance from the Memorial Tunnel. However, we remain committed to housing IRP equipment should the location prove beneficial to the statewide system. Also, we have contacted wireless providers and are working to get their participation for improved service for Kanawha County.
- 21) We currently project that the cost is \$375,000, based on the actual cost of IRP sites. This would include all site prep work, tower materials, erection of the tower, as well as an on-site building for equipment security.
- 22) There are no towers listed in the FCC database within 3 miles of this location.
- 23) We are seeking funding in the amount of \$300,000 from the WTAAF, with the remaining \$75,000 to be funded by the Kanawha County Commission and its agencies. While we are still working on a commitment from the wireless community, we feel that the public safety needs for emergency responders and our citizens are so great that this is an important project at this time, with the ability to provide wireless coverage as well.
- 24) Kanawha County has been unable to find other viable funding sources for a project of this size. The area has been underserved in its communications coverage and, without the ability to secure grant funding, the growing demands on county government as well as the vast need for water and sewer projects and other public safety improvements are also priorities.
- 25) This project will not proceed without some type of grant funding, as the funding necessary for a project of this scale is not available.
- 26) Building a tower is the only remedy we can identify that will provide the communications coverage in this area.

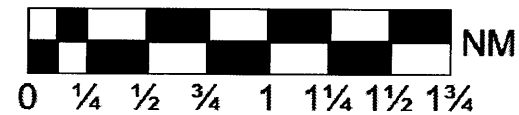
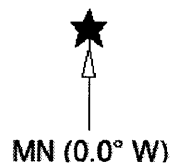
- 27) A tower of the specification and height proposed would accomplish anything needed on a county level as well as accommodate local, state and federal government uses as well as cell provider's uses.
- 28) This project would infinitely improve wireless coverage for the area, as there currently is none. The population estimate for the given area is 1400 and the roadways in this area are Interstate I-64 (WV Turnpike), Paint Creek, Cabin Creek, Cane Fork, The state of WV Guard Bureau has leased property in the area for training facilities that having this tower in place would facilitate.
- 29) The Citizens of Kanawha County through the Kanawha County Commission will be the owners, with Metro 911 serving as the Operator.
- 30) The Project tower operator has the experienced, knowledgeable and dedicated full-time staff to operate and maintain the proposed tower. Kanawha County has been operating several towers in its jurisdiction through its personnel in Emergency Management, Metro 911 and the City of Charleston. The county's EOC coordinator has been the main operator of these sites.
- 31) This project would comply with all FCC, FAA, EPA, and all applicable codes and standards, using as many bids for such work for this project.
- 32) At this time, Kanawha County is the only participant. However, we strongly feel that this is the only way wireless providers may ever consider coverage to this area of Kanawha County that includes Interstate 64 (WV Turnpike). Once built, it will immediately improve safety and health for the first responders and people they serve in eastern Kanawha County, with the prospect of extending wireless coverage as well.



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