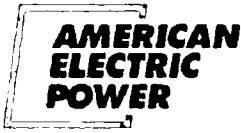


**Virginia State Corporation Commission
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Case Number (if already assigned)	PUR-2019-00145
Case Name (if known)	Petition of Appalachian Power Company For approval of a broadband capacity pilot
Document Type	OTHR
Document Description Summary	Appalachian Power Company's Grayson Broadband Biannual Report
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BOUNDLESS ENERGY

Legal Department

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2203102315

March 7, 2022

By Electronic Filing

The Honorable Bernard J. Logan, Clerk
State Corporation Commission
Document Control Center
Tyler Building, First Floor
1300 East Main Street
Richmond, Virginia 23219

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**Re: Petition of Appalachian Power Company
For approval of a broadband capacity pilot
program pursuant to § 56-585.1:9 of the Code of Virginia
Case No. PUR-2019-00145**

Dear Mr. Logan:

Attached for filing in the above-referenced case please find the Appalachian Power Company's Grayson Broadband Pilot Biannual Report.

Sincerely,

Noelle J. Coates

Attachment

- cc: Raymond L. Doggett, Jr., Esq.
- Kiva Bland Pierce, Esq.
- C. Meade Browder, Jr., Esq.
- Audrey T. Bauhan, Esq.
- James G. Ritter, Esq.
- James R. Bacha, Esq.

Appalachian Power Company
Case No. PUR-2019-00145
Grayson Broadband Pilot Biannual Report
March 2, 2022

Summary

This report will discuss the status of Appalachian Power Company's ("Appalachian" or "Company") broadband capacity pilot program in Grayson County, Virginia ("Grayson Broadband Pilot"), which the Company proposed and the State Corporation Commission ("Commission") approved pursuant to § 56-585.1:9 of the Code of Virginia.

Grayson Broadband Pilot

The Company filed its Petition under § 56-585.1:9 of the Code of Virginia, a law enacted in 2019. The Company has received approval to build and own "middle-mile" broadband infrastructure. The nongovernmental Internet service provider ("ISP") can then lease that capacity and use it to deliver Internet service to customers in unserved areas.

For this project, Appalachian will install fiber-optic cable in Grayson County that it will lease to GigaBeam Networks, LLC ("GigaBeam"), which is the nongovernmental ISP. Grayson County is sparsely populated and largely unserved with modern broadband. The opportunities to grow the local economy and create jobs without broadband are limited. Among other benefits, the proposed Pilot will help the county in its economic development efforts. In addition to benefiting Grayson County, the Pilot also will benefit Appalachian. The Company will use the infrastructure to support its installation of smart-grid technologies like AMI and DACR, which need a communications network to function.

In receiving Commission approval in Case No. PUR-2019-00145, the Company presented two alternative scenarios for deploying fiber. The Commission approved the scenario involving the installation of 238 miles of fiber optic cable. It was also the scenario used by Grayson County and GigaBeam when applying for funds from the Virginia Telecommunications Initiative.

In its Final Order approving the Grayson Broadband Pilot, the Commission directed Appalachian to submit biannual reports that include the following information:

- Miles of fiber installed and miles of fiber remaining to be installed;
- A tabular breakdown of the number of poles replaced and rationale for replacement;
- A tabular breakdown of GigaBeam customers by the speed offerings, rate of offerings, the number of fiber residential subscribers, wireless residential subscribers, fiber business subscribers, and wireless business subscribers;
- A tabular breakdown of economic benefits resulting from the Pilot; and
- Copies of the quarterly reports given to Grayson County by GigaBeam.

**Appalachian Power Company
Case No. PUR-2019-00145
Grayson Broadband Pilot Biannual Report
March 2, 2022**

GRAYSON COUNTY GIGABEAM CUSTOMERS

No.								
1	Residential Scribers	0	0	0	0	0	0	0%
2	Wireless Residential Scribers	0	0	0	0	0	0	0%
3	Fiber Business Scribers	0	0	0	1	1	N/A*	0%
4	Wireless Business Scribers	0	0	0	0	0	0	0%
	Totals	0	0	0	1	1	0	0%

* Currently developing projections/reporting with ISP as we move into test/turn-up year

No.								
1	1.5 Mbps	0	0	0	0	0	0	0%
2	2 Mbps	0	0	0	0	0	0	0%
3	3 Mbps	0	0	0	0	0	0	0%
4	6 Mbps	0	0	0	0	0	0	0%
5	12 Mbps	0	0	0	0	0	0	0%
6	25 Mbps	0	0	0	0	0	0	0%
7	50 Mbps	0	0	0	0	0	0	0%
8	75 Mbps	0	0	0	0	0	0	0%
9	100 Mbps	0	0	0	0	0	0	0%
	Totals	0	0	0	0	0	0	0%

No.		
1	1.5 Mbps	0
2	2 Mbps	0
3	3 Mbps	0
4	6 Mbps	0
5	12 Mbps	0
6	25 Mbps	0
7	50 Mbps	0
8	75 Mbps	0
9	100 Mbps	0
	Totals	0

ECONOMIC IMPACT & GIGABEAM REPORTING TO GRAYSON COUNTY:

At this time, there is insufficient data to quantify economic impact. No reports have been provided to Grayson as of March 4th, 2022.