

LAW OFFICES

W. PATRICK HAUSER, P.S.C.

W. PATRICK HAUSER  
E-MAIL [phauser@barbourville.com](mailto:phauser@barbourville.com)  
DEBORAH DAY, Paralegal  
EMAIL [ddd@barbourville.com](mailto:ddd@barbourville.com)

P.O. BOX 1900  
200 KNOX STREET  
BARBOURVILLE, KENTUCKY 40906  
Telephone: (606)-546-3811  
Telefax: (606) 546-3050

March 30, 2018

Ms. Gwen R. Pinson,  
Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, KY 40602-0615

RECEIVED

APR 02 2018

PUBLIC SERVICE  
COMMISSION

Re: The Application of Cumberland Valley Electric, Inc. for Commission Approval for a Certificate of Public Convenience and Necessity to Install An Advanced Metering Infrastructure (AMI) System Pursuant to KRS 807 KAR 5:001 AND KRS 278.020

Case No. 2018-00056

Dear Ms. Pinson:

Tendered herewith is an original and ten (10) copies of Cumberland Valley Electric, Inc.'s Second Revised Motion for Confidential Treatment of Certain Information Contained in its Application for a Certificate of Public Convenience and Necessity and Motion to Replace Certain Pages of Its Original Application.

Should you have any questions or need additional information, please contact my office at 606-546-3811, [Phauser@barbourville.com](mailto:Phauser@barbourville.com).

Respectfully submitted,



W. Patrick Hauser

WPH/dd

Enclosures

Cc: Mr. Ted Hampton  
Cumberland Valley Electric, Inc.

RECEIVED

COMMONWEALTH OF KENTUCKY  
BEFORE THE  
KENTUCKY PUBLIC SERVICE COMMISSION

APR 02 2018  
PUBLIC SERVICE  
COMMISSION

IN THE MATTER OF:

THE APPLICATION OF CUMBERLAND VALLEY )  
ELECTRIC, INC. FOR COMMISSION APPROVAL )  
FOR A CERTIFICATE OF PUBLIC CONVENIENCE ) CASE No. 2018 - 00056  
AND NECESSITY TO INSTALL AN ADVANCED )  
METERING INFRASTRUCTURE (AMI) SYSTEM )  
PURSUANT TO KRS 807 KAR 5:001 AND KRS )  
278.020 )

**CUMBERLAND VALLEY ELECTRIC, INC.'S  
SECOND REVISED MOTION FOR CONFIDENTIAL TREATMENT OF  
CERTAIN INFORMATION CONTAINED IN ITS APPLICATION  
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY  
AND  
MOTION TO REPLACE CERTAIN PAGES OF ITS  
ORIGINAL APPLICATION**

Comes now Cumberland Valley Electric, Inc. (hereinafter "Cumberland Valley"), by and through counsel and respectfully moves the Kentucky Public Service Commission ("Commission") pursuant to KRS 61.878, 807 KAR 5:001, Section 13, and other applicable law to afford confidential treatment to certain information it has previously requested to be given confidential treatment by the Commission and to permit Cumberland Valley to substitute page 2 and Exhibit 4 of its original application with a replacement page 2 and Exhibit 4 which contains certain unredacted information.

## **BACKGROUND**

Cumberland Valley has previously requested the Commission to grant confidential treatment to certain specific pricing treatment by its vendor in this matter and now desires to modify this request to allow public disclosure of the total cost of the Advanced Metering Infrastructure (AMI) System.

In support of its motion Cumberland Valley states as follows:

1. On or about March 26, 2018 the undersigned counsel along with members of the staff and management of Cumberland Valley conducted an informal telephone conference with counsel for the Commission to discuss Cumberland Valley's pending motions for confidential treatment of its vendor's proprietary information.

That as a result of the above conference, it was determined that Cumberland Valley would seek permission from its vendor to allow the total cost of the proposed AMI project to be shared with the public.

2. Attached hereto as Exhibit A is the email from Chad Dose of National Rural Telecommunications Cooperative ("NRTC") to Brian Chaney and others at Cumberland Valley in which it is stated that NRTC agrees to the sharing of the total cost of its AMI proposal to Cumberland Valley with the public.

3. Also, attached hereto are copies of page 2 and Exhibit 4 of the original application with the total cost of the AMI project unredacted (attached hereto as Exhibit B and C respectively).

**WHEREFORE**, Cumberland Valley respectfully requests that the Commission grant its motion to allow the substitution of page 2 and Exhibit 4 of its original application to be replaced with the page 2 and Exhibit 4 attached hereto which contains certain unredacted information and to otherwise grant the requested protection of the confidential information previously sought by Cumberland Valley on behalf of its vendor, NRTC.



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**W. PATRICK HAUSER**

**Attorney at Law**

P.O. Box 1900

Barbourville, KY 40906

Phone: 606-546-3811

Fax: 606-546-3050

Email: [phauser@barbourville.com](mailto:phauser@barbourville.com)

**Attorney for Cumberland Valley Electric, Inc.**

## Brian Chaney

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**From:** Chad Dose <CDose@nrtc.coop>  
**Sent:** Monday, March 26, 2018 9:37 AM  
**To:** Brian Chaney; Mark Abner; Eric Greer  
**Cc:** Mark Davis; William Shanahan; Rich Miller  
**Subject:** Cumberland Valley Pricing Redaction - PSC

**Importance:** High

Brian

I spoke to NRTC as well as Ashley Kelly of Itron Network Solutions (Silver Spring), and we are all in agreement that CVE and PSC can share the one number of the system total for this AMI system with the public.

Please let us know if there are any other questions.

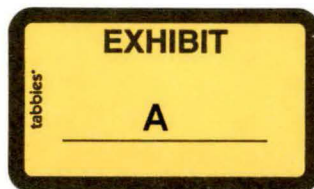
Regards.



Chad Dose  
Director, AMI Solutions  
2121 Cooperative Way, Suite 600, Herndon, VA 20171  
D 703-464-5356 M 763-258-4186 E [CDose@nrtc.coop](mailto:CDose@nrtc.coop)  
[nrtc.coop](http://nrtc.coop)  
Member Support: 800-214-6782 (option 4) or [membersupport@nrtc.coop](mailto:membersupport@nrtc.coop)

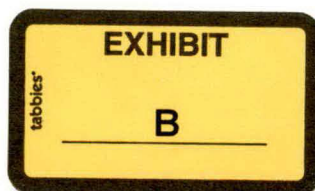


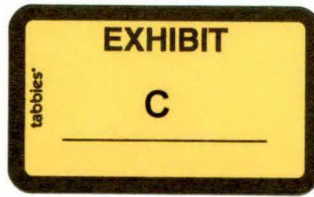
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5. Cumberland Valley will construct the proposed AMI project from general funds until such time as new loan funds are needed. At that time Cumberland Valley will use RUS loan funds. Cumberland Valley's Construction Work Plan has been modified to reflect this project. RUS approval has been received.
6. Estimated cost of the project is \$4,713,104.78. Annual estimated operating cost is [REDACTED]. See Exhibit 4 for estimated Project Cost.
7. Attached hereto and made a part of this Application are the following:
  - EXHIBIT 1 Certificate of Existence
  - EXHIBIT 2 Applicant AMI Background, Vendor Assessment and Vendor Choice
  - EXHIBIT 3 Description of Silver Spring's AMI technology
  - EXHIBIT 4 Project Pricing
  - EXHIBIT 5 Projected benefits for Applicant and its Members
  - EXHIBIT 6 Copy of RUS Amendment to Current Approved Construction Work Plan
  - EXHIBIT 7 Testimony of Mark D. Abner
  - EXHIBIT 8 Weighted Vendor Evaluation Matrix
8. Applicant is requesting relief from annual periodic testing of meters [807 KAR 5:041 Section 15] for the duration of this project as all meters in the Applicant's service territory will be changed and tested. Meter testing will resume in January 2021.

**WHEREFORE,** Applicant asks that the Public Service Commission of the Commonwealth of Kentucky issue a Certificate of Public Convenience and Necessity authorizing the applicant to install an AMI system.





	<b>MASTER PURCHASE AND SERVICES AGREEMENT</b>
	<p><b>Exhibit A</b></p> <p><b>to Master Purchase and Services Agreement, dated as of the 15 th day of December, 2017, by and between National Rural Telecommunications Cooperative and Cumberland Valley Electric, Inc.</b></p> <p><b>Pricing</b></p>

**1. General Pricing Notes Applicable to All Sections**

Note 1.1: Pricing is fixed until 12/31/2019. All Equipment Unit Prices specified below will remain valid for any additional Equipment ordered above and beyond the quantities specified below until 12/31/2019.

Note 1.2: Prices are in USD.

Note 1.3: Standard warranties for Software and Firmware are 90 days from the delivery date and are included in the unit price. Standard warranty for Equipment is 18 months from the delivery date and is included in the unit price.

Note 1.4: Prices are exclusive of shipping, transit insurance, duties and taxes. Shipping terms are FOB Origin Prepaid and Add (for domestically manufactured equipment) and DAP Prepaid and Add (for equipment manufactured outside the United States).

Note 1.5: Payment Terms: Net thirty (30) days of invoice receipt in U.S. dollars.

**Advanced Metering Infrastructure**

**2. Equipment**

Endpoint Devices				
Item	Catalog Number	Quantity	Sell	Member Price
I-210+C 2S CL200 RD 240V TVEQR W/SSN 510	230-500660	████	████	████████
I-210+C 2S CL200 RD 240V TVEQR W/SSN 510 MICROAP	230-605100	██	████	████████
I-210+C 2S CL320 240V TVEQR W/SSN 510	230-500661	██	████	████████
KV2C 2S CL320 480V TVEQR W/SSN 510	230-505450	█	████	████████
I-210+C 3S CL20 120V TVEQR W/SSN 510	230-500662	██	████	████████
I-210+C 4S CL20 240V TVEQR W/SSN 510	230-500663	██	████	████████
KV2C 9S CL20 120-480V TVEQR W/SSNI 510	230-505451	██	████	████████
KV2C 16S CL320 120-480V TVEQR W/SSNI 510	230-505452	██	████	████████
<b>Total</b>				████████

Note 2.1: Aclara Standard warranty (on metrology related performance) for 18 months from date of shipment included in price. If applicable, Aclara technical support fees for meter configuration, meter training, and other meter support will be charged at [REDACTED] per 8-hour day plus travel and living expenses (if required).

Note 2.2: Aclara: All kv2c meters include polycarbonate cover as standard offering equipped with D-ring on optical port, no demand reset on cover, no battery, with T,R,E,V,Q softswitches enabled. I-210+c 2S CL200 meter is equipped with a remote disconnect switch, 2-tone polycarbonate cover with D-ring on optical port, no test link, no demand reset on cover, no battery, with T2,R2,E2,V2,Q2 switches enabled.

Note 2.3: Aclara: Options pricing (add to meter prices):

- a. Optional Battery for timekeeping during a power outage. Price Adder for I-210+c or kv2c meter is [REDACTED]
- b. Optional Supercap for timekeeping during a power outage. Price adder on I-210+c is [REDACTED]
- c. k2 switch for I-210+c is [REDACTED]. k-switch for kv2c is [REDACTED]
- d. SIO (kyz) module for kv2c meter is [REDACTED]
- e. Option for UL Certification on kv2c, adder per each meter is [REDACTED]
- f. Option for UL Certification on I-210+c, adder per each meter is [REDACTED]
- g. Standard demand reset lever mounted on I-210+c and kv2c meter cover is [REDACTED]
- h. Class 320 Adder for kv2C meter is [REDACTED]
- i. Test link for SC I-210+c meter forms is [REDACTED]
- j. Last gasp extended holdover function for I-210+c is [REDACTED]

Note 2.4: Aclara Technical notes and comments:

- a. I-210+c meter meets ANSI 12.20 accuracy class 0.5.
- b. kv2c meter meets ANSI 12.20 accuracy class 0.2 percent
- c. Nominal operating voltage of either 120 or 240vac must be specified for I-210+c meters at time of order. A kv2c must be used for all singlephase 480v installations.
- d. kv2c meter nominal operating voltage range is 120-480vac and is available in popular singlephase and polyphaser S-base meter forms.
- e. kv2c meter forms include 1s, 2s, 3s, 4s, 9s, 12s, 16s, 36s, 45s, 56s.
- f. I-210+c meter forms include 1s, 2s, 3s, 4s, 12s, 25s. Remote disconnect option available on I-210+c S-base cl100 and cl200 meters only. Remote disconnect option available on Forms 1s, 2s, 12s, 25s
- g. I-210+c meter cannot be equipped with input/output (kyz or load control) option board. kv2c meter must be used in applications requiring I/O board.



Network Infrastructure Equipment & Tools				
Item	Catalog Number	Quantity		Total (USD)
FIELD SERVICE UNIT, 5.0, USA	240-005000	1		
ACCESS POINT, SG, MOUNTING KIT, LIGHT POLE BATTERY MOUNT	200-037004	1		
CABLE, AP 4.5, BACK UP BATTERY, 27 IN	202-450001	1		
BACKUP BATTERY, AP4.5/5.0, 8AH	200-450009	1		
CABLE, AP 4.5, 3-PIN POWER, R/A, 20 FT, 16 AWG	202-450010	1		
ANTENNA, CELLULAR AP - 2G, 3G, 4G	201-000050	1		
ANTENNA, DUAL BAND, 900MHZ, +2.4GHZ, 2.5/3.5DBI, N-MALE, OMNI	201-000007	1		
ACCESS POINT 5.0, CELLULAR, VERIZON, USA	200-005000	1		
ACCESS POINT 5.0, ETHERNET, USA	200-005001	1		
RELAY 5.0, USA	210-005000	1		
COMMUNICATION TESTER 6.X SOFTWARE	280-011019	1		
COMMUNICATION TESTER MAINTENANCE (Annual (QTY*YR))	290-030001	1		
<b>Total</b>				

SPARE INVENTORY of Network Infrastructure Equipment & Tools (Recommended Operational Quantities)				
Item	Catalog Number	Quantity		Total (USD)
ACCESS POINT, SG, MOUNTING KIT, LIGHT POLE BATTERY MOUNT	200-037004	1		
CABLE, AP 4.5, BACK UP BATTERY, 27 IN	202-450001	1		
BACKUP BATTERY, AP4.5/5.0, 8AH	200-450009	1		
CABLE, AP 4.5, 3-PIN POWER, R/A, 20 FT, 16 AWG	202-450010	1		
ANTENNA, CELLULAR AP - 2G, 3G, 4G	201-000050	1		
ANTENNA, DUAL BAND, 900MHZ, +2.4GHZ, 2.5/3.5DBI, N-MALE, OMNI	201-000007	1		
ACCESS POINT 5.0, CELLULAR, VERIZON, USA	200-005000	1		
ACCESS POINT 5.0, ETHERNET, USA	200-005001	1		
RELAY 5.0, USA	210-005000	1		
<b>Total</b>				

Note 2.5: Annual tools Support Services Fee is 20% of the net Software License Fee for Communication Tester 6.X software, paid annually in advance. Pricing excludes laptop / PC required to run the Software tools.

**3. Professional Services**

Professional Services		
Service	Catalog Number	Total (USD)
FIELD NETWORK DESIGN	290-001005	██████████
INTEGRATION & CONFIGURATION	290-001022	██████████
NETWORK OPTIMIZATION	290-001014	██████████
SYSTEM TESTING	275-000009	██████████
NETWORK DEPLOYMENT SUPPORT	290-001006	██████████
PROJECT MANAGEMENT	275-000001	██████████
TRAINING - AMI TRAINING SUITE	275-000008	██████████
<b>Total</b>		██████████

Note 3.1: The invoicing schedule above assumes work begins promptly after the SOW Effective Date. Any changes to this schedule may cause a change in invoicing schedule.

Note 3.2: Travel and Living billed at cost plus 10%.

**4. Software SaaS**

PROD Environment				
Item	Catalog Number	Quantity		Total (USD)
CONTROL PLATFORM BASE SAAS SETUP FEE - PROD	298-000011	1	██████████	██████████
CONTROL PLATFORM BASE SAAS MONTHLY FEE - PROD	298-000012	1	██████████	██████████
AMM SAAS DEPLOYMENT FEE - PROD	290-001028	1	██████████	██████████
AMM SAAS MONTHLY FEE - PROD	290-001070	1	██████████	██████████
MPC SAAS SETUP FEE - PROD	290-020006	1	██████████	██████████
MPC SAAS MONTHLY FEE - PROD	290-020007	1	██████████	██████████
<b>Total</b>				██████████

Note 4.1: SaaS Monthly Fee includes hardware, software, and hosting for one PROD environment supporting up to 24,233 endpoints. Incremental endpoints will be charged at ██████████ per endpoint per year.

TEST Environment				
Item	Catalog Number	Quantity		Total (USD)
CONTROL PLATFORM BASE SAAS SETUP FEE - TEST	298-000021	1	████████	████████
CONTROL PLATFORM BASE SAAS MONTHLY FEE - TEST	298-000022	1	████████	████████
AMM SAAS DEPLOYMENT FEE - TEST	290-001031	1	████████	████████
AMM SAAS MONTHLY FEE - TEST	290-001073	1	████████	████████
MPC SAAS SETUP FEE - TEST	290-020019	1	████████	████████
MPC SAAS MONTHLY FEE - TEST	290-020020	1	████████	████████
<b>Total</b>				████████

Note 4.2: SaaS Monthly Fee includes hardware, software, and hosting for one TEST environment supporting up to 1,000 endpoints.

<b>TOTAL</b>	<b>\$4,713,104.78</b>
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