

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

NOTICE OF FILING

Notice is given to all parties that the following materials have been filed into the record of this proceeding:

- The digital video recording of the evidentiary hearing conducted on May 30, 2018 in this proceeding;
- Certification of the accuracy and correctness of the digital video recording;
- All exhibits introduced at the evidentiary hearing conducted on May 30, 2018 in this proceeding;
- A written log listing, *inter alia*, the date and time of where each witness' testimony begins and ends on the digital video recording of the evidentiary hearing conducted on May 30, 2018.

A copy of this Notice, the certification of the digital video record, hearing log, and exhibits have been electronically served upon all persons listed at the end of this Notice. Parties desiring to view the digital video recording of the hearing may do so at [http://psc.ky.gov/av\\_broadcast/2018-00056/2018-00056\\_30May18\\_Inter.aspx](http://psc.ky.gov/av_broadcast/2018-00056/2018-00056_30May18_Inter.aspx).

Parties wishing an annotated digital video recording may submit a written request by electronic mail to [pscfilings@ky.gov](mailto:pscfilings@ky.gov). A minimal fee will be assessed for a copy of this recording.

Done at Frankfort, Kentucky, this 9<sup>th</sup> day of October 2018.



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Executive Director  
Public Service Commission of Kentucky

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COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

CERTIFICATION

I, Stephanie Schweighardt, hereby certify that:

1. The attached DVD contains a digital recording of the Hearing conducted in the above-styled proceeding on May 30, 2018. Hearing Log, Exhibit List and Witness List are included with the recording on May 30, 2018.
2. I am responsible for the preparation of the digital recording;
3. The digital recording accurately and correctly depicts the Hearing of May 24, 2018.
4. The Hearing Log attached to this Certificate accurately and correctly states the events that occurred at the Hearing of May 30, 2018 and the time at which each occurred.

Signed this 1<sup>st</sup> day of June, 2018.



Stephanie Schweighardt, Notary Public  
State at Large  
Commission Expires: January 14, 2019  
ID#: 525987



Date:	Type:	Location:	Department:
5/30/2018	Other	Hearing Room 1	Hearing Room 1 (HR 1)

Judge: Bob Cicero; Talina Mathews; Michael Schmitt  
 Witness: Mark Abner; Brian Chaney; Chad Dose  
 Clerk: Stephanie Schweighardt

Event Time	Log Event
8:18:33 AM	Session Started
8:18:39 AM	Session Paused
8:58:06 AM	Session Resumed
8:58:11 AM	Chairman Schmitt Note: Schweighardt, Stephanie Preliminary Rmarks and introductions
8:58:52 AM	Chairman Schmitt Note: Schweighardt, Stephanie Attorneys to introduce themselves
8:59:34 AM	Chairman Schmitt
8:59:46 AM	Atty Mark David Goss Note: Schweighardt, Stephanie Introduces Witnesses
9:00:34 AM	Atty Mark David Goss Note: Schweighardt, Stephanie Sworn in by Chairman Schmitt
	Note: Schweighardt, Stephanie Calls Witness Mark Abner to the stand
9:01:07 AM	Atty Mark David Goss Direct of Witness Abner Note: Schweighardt, Stephanie State name and if any changes to submitted data responses.
9:01:50 AM	Atty Ben Bellamy Cross Exam of Witness Abner Note: Schweighardt, Stephanie Regarding Technical Assistance
9:03:13 AM	Atty Bellamy Cross Exam of Witness Abner Note: Schweighardt, Stephanie Regarding other support needed for CumberlValley
9:04:02 AM	Atty Bellamy Cross Exam of Witness Abner Note: Schweighardt, Stephanie How often is the support needed?
9:04:29 AM	Atty Bellamy Cross Exam of Witness Abner Note: Schweighardt, Stephanie Regarding is meter in not conected to other meter
9:04:54 AM	Atty Bellamy Cross Exam of Witness Abner Note: Schweighardt, Stephanie Regarding out and working on system
9:05:17 AM	Atty Bellamy Cross Exam of Witness Abner Note: Schweighardt, Stephanie Third parties that can offer the suport
9:05:41 AM	Atty Bellamy Cross Exam of Witness Abner Note: Schweighardt, Stephanie Regarding Landis and Gear no longer offering the support

9:07:09 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Context of which support ending came up and if asking questions  
Stephanie about the support.

9:07:59 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Is Linda a technical support person  
Stephanie

9:08:18 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Has Landis and Gear made any announcement of ending the support  
Stephanie and if so, when

9:08:52 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Witness read the questions and answers sheet  
Stephanie  
Note: Schweighardt, Where did the questions and answers sheet come from and what did  
Stephanie it state on the sheet

9:13:29 AM PHDR  
Note: Schweighardt, Questions and Answers Sheet  
Stephanie  
Note: Schweighardt, Atty Goss will have copies made  
Stephanie

9:14:14 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding preliminary research completed  
Stephanie

9:15:50 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding if reached out to any other co-ops?  
Stephanie

9:17:44 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding what was concluded as what would work for Cumberland  
Stephanie Valley

9:18:39 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Other utilities using Silver Springs  
Stephanie

9:19:11 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, other utilities using RF Systems  
Stephanie

9:19:59 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding RFPs and who to send it to  
Stephanie

9:21:11 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding consultant used  
Stephanie

9:21:44 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, How did it come about that Kenergy assisted  
Stephanie

9:22:26 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding RFP used from Kenergy and what did you change  
Stephanie

9:23:11 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding 100% Connectivity used  
Stephanie

9:24:20 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding Exhibit 8 to the application  
Stephanie

9:25:51 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Criteria used for to evaluate bids  
Stephanie

9:27:13 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding what was important to evaluate the RFPs  
Stephanie

9:27:58 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding what Kenergy provided  
Stephanie

9:28:32 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding definition section  
Stephanie

9:29:28 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding the ratings and weight  
Stephanie

9:31:23 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding Exhibit 8, only three vendors listed  
Stephanie

9:32:58 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding Line 8 of metrics - infrastructure  
Stephanie

9:35:35 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding estimate from earings  
Stephanie

9:36:19 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, How did Cumberland Valley select Silver Springs as their metering  
Stephanie company?

9:39:08 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding why Cumberland Valley chose a RF System  
Stephanie

9:40:30 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, PLC System vs RF System  
Stephanie

9:41:09 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Concerns with the RF System  
Stephanie

9:42:18 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding any guarantee with Sliver Springs  
Stephanie

9:43:33 AM PHDR - VC  
Note: Schweighardt, Warranty or guarantee provided  
Stephanie

9:44:31 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Reliability between PLC and RF Systems  
Stephanie

9:45:25 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding issues with PLC Systems losing ????  
Stephanie

9:46:29 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding Sliver Springs system and software  
Stephanie

9:47:15 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding physical infrastructure and meters  
Stephanie

9:48:16 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding estimate of useful life with the meters  
Stephanie

9:49:02 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, any study from other manufacturers for the useful life of meters  
Stephanie

9:49:29 AM PHDR - VC  
Note: Schweighardt, Useful life of meters  
Stephanie

9:49:57 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding warranty on meters  
Stephanie

9:51:05 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Testing requirements - Cumberland Valley response to Staff's first request, #8  
Stephanie

9:53:17 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding periodic testing  
Stephanie

9:53:49 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, timeline for project  
Stephanie

9:54:41 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Age of meters and relatively spaced for periodic testing cycle  
Stephanie

9:56:07 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding percentage of meters to be tested over the next two years  
Stephanie

9:56:39 AM PHDR  
Note: Schweighardt, Provide number of meters to be tested over the next two years  
Stephanie

9:57:44 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding Item #8 of Staff's data request - how number is calculated  
Stephanie

9:59:19 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding estimated cost for each meter test and what it is based on  
Stephanie

10:00:57 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding the \$150,000.  
Stephanie

10:01:38 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding additional cost to send someone out and pull meter out  
Stephanie

10:02:36 AM PHDR  
Note: Schweighardt, Additional cost breakdown of meter testing  
Stephanie

10:03:06 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding Item #8 of Staff data request - testing of meters  
Stephanie

10:04:36 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding fourth paragraph of Item # 8 of Staff's data request - overcharges  
Stephanie

10:05:40 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding \$407 over the past years and how many meters had an overcharge  
Stephanie

10:06:41 AM Atty Bellamy Cross Exam of Witness Abner  
Note: Schweighardt, Regarding Cumberland Valley having anything in place to protect customers from being overcharged if meters are replaced  
Stephanie

10:07:46 AM	Atty Bellamy Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding storing meters if taken out of service
10:09:05 AM	Atty Bellamy Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding exhibit 4 to the application
10:11:37 AM	PHDR Note: Schweighardt, Stephanie	Any written contract
10:11:54 AM	PHDR - VC Note: Schweighardt, Stephanie	Lanuage in contract regrading responsiblitiy of equipment
10:12:35 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	What made you decide to get new meters for Cumberland Valley
10:13:31 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding end of life letter received form Landis and Gear
10:14:25 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding application and end of support life
10:14:56 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding project and implementation of completion
10:15:26 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding delaying implementation book value
10:17:11 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding delay of assest appreciated for two years
10:17:44 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Incident meter failure rate that requires meters to be replaced
10:18:30 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Useful life of meters when initaly installed
10:19:19 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding statement that Landis and Gear would not support twelve year old meters
10:21:41 AM	Vice Chairman Cicero Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Brand of meters chosen and their useful life
10:22:29 AM	Commimssioner Mathews Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding if Silver Springs offers a cyber security component
10:23:32 AM	Commimssioner Mathews Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Communications componet
10:24:47 AM	Commimssioner Mathews Cross Exam of Witness Abner Note: Schweighardt, Stephanie	Regarding replacing the TS1 module
10:26:19 AM	Atty Mark David Goss Note: Schweighardt, Stephanie	Distributes document

	Note: Schweighardt, Stephanie	Request document be filed as Cumberland Valley Exhibit #1
	Note: Schweighardt, Stephanie	Chairman Schmitt grants request
10:27:06 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding CV believes it is important to implement this project
10:28:44 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding equipment failure and purchase of additional equipment to keep system going
10:30:00 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding CV obtaining salvage value
10:31:27 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Reason CV wants to migrate system
10:32:42 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding cost savings the new system will provide
10:34:01 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding number of meters in the field that allow for remote connect / disconnect
10:34:28 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding cost savings of moving from 5000 meters to 20,000 meters having the ability of remote connect / disconnect
10:35:17 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding CV Exhibit #1 - command center
10:36:56 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding availability of support for system
10:37:58 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Request to go through a demonstration
	Note: Schweighardt, Stephanie	Chairman Schmitt grants request
10:38:30 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Shows Witness a meter and ask to state what the meter is and what it does
10:39:07 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding if meter is the type of meter that last about 50 years and how many of these meters does CV have in the field.
10:39:53 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Regarding the circuit board in meter
10:41:41 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Hands Witness another meter labeled Landis and Gear and ask to inform the commissioner what the meter is and does.
10:42:50 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Ask if meter is a TS2 meter and about its communication
10:43:14 AM	Atty Mark David Goss ReDirect of Note: Schweighardt, Stephanie	Witness Abner Hands Witness a third meter labeled Landis and Gear and ask to inform the commission about the meter and what it does.

10:44:14 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Regarding the buttons and plugs on the front of the meter  
Stephanie

10:44:59 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Regarding how many of the meters CV has in the field  
Stephanie

10:45:31 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Regarding the other meter and not having a switch  
Stephanie

10:45:51 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Hands the witness another item and ask to state what the item is  
Stephanie and does.

10:46:35 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Regarding how many of this items are in the field  
Stephanie

10:46:52 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Regarding the new meters  
Stephanie

10:47:18 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Asking why CV did not attempt to upgrade the existing system  
Stephanie

10:49:14 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Shows witness device and ask if this is the inpoint he is referring to.  
Stephanie

10:50:31 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Summarizes why CV chose Silver Springs over the others in the  
Stephanie evaluation process.

10:52:42 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Asking what happens to CV meter reading system if Commission  
Stephanie were to deny request for new system.

10:53:38 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Regarding if PrePay program has been a success.  
Stephanie

10:55:02 AM Atty Mark David Goss ReDirect of Witness Abner  
Note: Schweighardt, Regarding what CV has to do to disconnect or connect meter that  
Stephanie does not have a switch for remote disconnect / connect.

10:57:43 AM Vice Chairman Cicero ReCross Exam of Witness Abner  
Note: Schweighardt, Regarding salvage value of meters  
Stephanie

10:59:11 AM PHDR - VC  
Note: Schweighardt, Benefit analysis if CV puts the meters in now instead of waiting one  
Stephanie year. What the rate payors will save by putting system in now and  
not waiting one year.

11:00:32 AM Commissioner Mathews ReCross Exam of Witness Abner  
Note: Schweighardt, Benefit analysis if CV waits one year instead of putting system in  
Stephanie now. What the rate payors will not save if wait one year.

11:01:06 AM Chairman Schmitt  
Note: Schweighardt, Strongly recommends CV provide detailed information of what has  
Stephanie been requested.

11:01:30 AM Chairman Schmitt  
Note: Schweighardt, Excuses Witness  
Stephanie

11:01:32 AM BREAK

11:01:40 AM Session Paused

11:15:04 AM Session Resumed

11:15:22 AM	Atty Buckley Note: Schweighardt, Stephanie	Calls Witness Brian Chaney to the stand
	Note: Schweighardt, Stephanie	Chairman Schmitt swears in Witness
11:15:32 AM	Atty Brian Buckley Direct of Witness Chaney Note: Schweighardt, Stephanie	State name, employer and title. Any changes to responses provided and if the same.
11:16:08 AM	Atty Bellamy Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Regarding CVs response to Staff's data request, Item #2.
11:16:59 AM	Atty Bellamy Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Regarding Exhibit B for item #2, page 2
11:17:31 AM	Atty Bellamy Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Asking about the \$406,000 total estimated cost for disconnects and reconnects
11:19:17 AM	Atty Bellamy Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Regarding the cost of disconnect/reconnect and out of business cost
11:19:58 AM	Atty Bellamy Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	One hour is what CV estimates it takes to disconnect/reconnect account
11:20:28 AM	Atty Bellamy Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Regarding Item #2 - implementation of advance meter reading system reducing bad debt
11:21:54 AM	Atty Bellamy Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Regarding Item #1, response to 1A, first two sentences - net book value
11:23:05 AM	Atty Bellamy Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Regarding equipment taken out of service and depreciation
11:23:46 AM	Atty Bellamy Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Asking how CV would log the equipment taken out of service
11:25:05 AM	Vice Cicero Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Asking about not knowing the book value of the salvage equipment
11:28:08 AM	Vice Cicero Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Regarding which option CV will use
11:29:05 AM	Vice Cicero Cross Exam of Witness Chaney Note: Schweighardt, Stephanie	Regarding depreciation of meters
11:30:06 AM	PHDR - VC Note: Schweighardt, Stephanie	What does the manufacturer state is the useful life of meters.
11:31:29 AM	Atty Evan Buckley ReDirect of Witness Chaney Note: Schweighardt, Stephanie	Exhibit B. page 2 of 2 - Staff data request -
11:32:57 AM	Atty Bellamy ReCross Exam of Witness Chaney Note: Schweighardt, Stephanie	Regarding contract with Silver Springs and timeline for price listed

11:34:03 AM	Chairman Schmitt Note: Schweighardt, Stephanie	Witness Excused
11:34:19 AM	Chairman Schmitt Note: Schweighardt, Stephanie	Regarding Atty Goss calling next witness
	Note: Schweighardt, Stephanie	Atty Goss explains who the witness is and what he wishes to ask
	Note: Schweighardt, Stephanie	Chairman Schmitt grants his request to call the witness to the stand and ask what he wants
11:34:56 AM	Atty Mark David Goss Note: Schweighardt, Stephanie	Calls Witness Chad Dose to the stand
	Note: Schweighardt, Stephanie	Chairman Schmitt swears in witness Dose
11:35:16 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	State full name, address, employer and title
11:36:05 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Ask to explain what NRTC is and does.
11:37:00 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Ask for history of job duties
11:38:24 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Regarding educations
11:38:33 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	How many years in workforce
11:38:47 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Specific job duties as director of AMI Solutions
11:40:00 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Asking when NRTC assistance to CV came about
11:40:53 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Explain the technology with the Sivler Spring program, CV has chosen
11:43:41 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Regarding Silver Springs technology being the best for this service
11:45:04 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Regarding Communications platform and meter platform with Silver Springs
11:48:20 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Regarding the clara meter CV has chosen
11:50:08 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Asking witness if he would be satisfied with the clara meter chosen
11:50:38 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Regarding the service territory and clara meter

11:53:24 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Asking if witness assisted in the study or process to make sure the design in the system or what he knows about it
11:55:28 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Asking if active in the contracting process with CV and who is the contract between?
11:57:43 AM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	NRTC Contracts with other companies
12:00:28 PM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Regarding the contract between CV and NRTC, cannot be provided to public, is it a confidential contract.
12:01:39 PM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Regarding contract with CV and if more items are needed then what is stated in the contract
12:04:38 PM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Regarding manufactor stated useful life of meters
12:08:31 PM	Atty Mark David Goss Direct of Witness Dose Note: Schweighardt, Stephanie	Regardign 12 year depreciations
12:08:54 PM	Atty Bellamy Cross Exam of Witness Dose Note: Schweighardt, Stephanie	Regarding networking software
12:09:37 PM	Atty Bellamy Cross Exam of Witness Dose Note: Schweighardt, Stephanie	Regarding Useful Life of meters and relay and access points.
12:10:08 PM	Atty Bellamy Cross Exam of Witness Dose Note: Schweighardt, Stephanie	Silver Spring software support agreement
12:11:27 PM	Atty Bellamy Cross Exam of Witness Dose Note: Schweighardt, Stephanie	Regarding how long the software has been available
12:12:31 PM	Atty Bellamy Cross Exam of Witness Dose Note: Schweighardt, Stephanie	Regarding similar networking packages available if Silver Springs became unavailable
12:15:15 PM	Atty Bellamy Cross Exam of Witness Dose Note: Schweighardt, Stephanie	Deadline in contract regarding current price
12:17:16 PM	Vice Cicero Cross Exam of Witness Dose Note: Schweighardt, Stephanie	Regarding Silver Springs and Cyber Security Treats
12:19:30 PM	Vice Cicero Cross Exam of Witness Dose Note: Schweighardt, Stephanie	better or worse system for Cyber Security
12:20:23 PM	Vice Cicero Cross Exam of Witness Dose Note: Schweighardt, Stephanie	Asking Witness if he would have chosen the meter brand CV has selected
12:22:46 PM	Vice Cicero Cross Exam of Witness Dose Note: Schweighardt, Stephanie	who's responsible for what equipmet.
12:23:26 PM	Vice Cicero Cross Exam of Witness Dose Note: Schweighardt, Stephanie	Regarding 15 - 20 years of Useful Life and if anyone has ever asked a manufactor about the useful life?

12:25:29 PM	Chairman Schmitt Note: Schweighardt, Stephanie	Witness excused
12:25:37 PM	Chairman Schmitt Note: Schweighardt, Stephanie Note: Schweighardt, Stephanie Note: Schweighardt, Stephanie	Chairman Schmitt ask Atty Goss of needed timeline to prepare responses to staff data request. Atty Goss request 20 days to respond to staff data request  Chairman Schmitt states, staff data request are due Friday, June 1 and CV responses are due Wednesday June 21.
12:27:54 PM	Chairman Schmitt Note: Schweighardt, Stephanie	Hearing Adjourned
12:28:03 PM	Session Paused	
12:31:26 PM	Session Ended	



**Name:**

**Description:**

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CV Exhibit #1

TS2 End of Sales, FAQ's

<b>TS2 End of Sales, FAQ's</b>	
<b>Q:</b>	<b>I heard that the TS2 system is going away.</b>
A:	That is partially correct. The sale of TS2 modules is going to end due to vendor notifications of component obsolescence. However, TS2 network equipment will continue to be available. The TS2 system will remain supported in Command Center through 2022 and the support is available through 2022.
<b>Q:</b>	<b>How long do I have to purchase TS2 products and what is available for sale?</b>
A:	The last-time buy will close on <b>October 31, 2019</b> , for the following equipment: <ul style="list-style-type: none"> <li>▪ TS2 FOCUS AL (Part numbers FASY-0694-0001/2, FASY-0624-0003/4, and Multi-Utility FASY-0749-0001/2)</li> <li>▪ TS2 FOCUS AX/AX-SD* (Part numbers 26-1238, 26-1239, 26-1240, 26-1241)</li> <li>▪ TS2 S4e* (Part number FASY-0636-0002)</li> <li>▪ TS2 kV2c (Part numbers FASY-0538-0002 and Multi-Utility FASY-0650-0002)</li> <li>▪ TS2 Load Control Switch (Part numbers FASY-0530-0008/10)</li> </ul> <p>You must take delivery of this product by <b>March 31, 2020</b>.</p> <p><i>*Note the S4e meter has been discontinued and meter stock has been depleted. Landis+Gyr is actively developing a TS2 module for the new S4x meter and is also investigating qualifying the TS2 AX module for the FOCUS AX Polyphase.</i></p>
<b>Q:</b>	<b>What are my options for an upgrade?</b>
A:	You may want to consider Gridstream RF and/or PLX going forward as the added features and benefits are significant. Your TS2 can remain in place while you transition, and your technical team would be happy to sit down and review options.
<b>Q:</b>	<b>I want to continue to use my TS2 network. Can I get replacements?</b>
A:	The PLC 3000 Collectors and Transformer Coupling Units will remain available as they are compatible with TS2 and/or PLX.
<b>Q:</b>	<b>I have load control with TS2, what are my options?</b>
A:	Your TS2 load control may stay in place while you consider upgrades to your network and a transition to Gridstream RF or PLX.
<b>Q:</b>	<b>I've got a lot of investment in meters. Are they junk if I upgrade?</b>
A:	Landis+Gyr has introduced new FOCUS AXe/AXe-SD and S4x meters with much more capabilities available with Gridstream RF and PLX deployments, so consider the cost of a retrofit versus the benefit of new metering.
<b>Q:</b>	<b>I have all my substations upgraded to TS2. Do I keep adding or replacing TS2 meters? What are my options?</b>
A:	Option 1. Stay with TS2, but understand that its capabilities are limited and any endpoints you purchase under this last-time buy opportunity are an investment in 12-year-old technology. Option 2. Take advantage of your current investment and Landis+Gyr's reputation in the marketplace to consider a migration to their latest generation AMI systems and meters.
<b>Q:</b>	<b>I have begun the migration to Gridstream RF or PLX, but won't have my TS2 system replaced before October 31, 2019. What are my options?</b>
A:	Many utilities have added the new AMI network to certain areas or substations, and made all new meter purchases of the new technology. As they deploy new meters, their policy is to conduct a "remove from service" of the TS2 meters, and place them into stock for re-use elsewhere on their system. Re-use of the TS2 meters helps to manage costs.
<b>Q:</b>	<b>What version of Command Center supports all of the PLC and RF offerings.</b>
A:	Command Center 7.0 which is available now.

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