

Question:

Refer to Section IV-D of the Application, RUS Code 700, AMI Equipment – RUS Code 705. Licking Valley proposes to purchase certain hardware and software equipment necessary to complete the TS2 conversion at an estimated amount of \$291,800. Provide in detail the type of hardware and software equipment proposed to be purchased and describe the functionality of each piece of equipment.

Response:

The following equipment (with the exception of the software (S/W)) will be installed at each substation:

<b>Equipment</b>	<b>Functionality</b>
Substation Processing Unit (SPU3000)	Collects information
TCU	Signal converter
Fiber cables	Communication medium
45 kVA padmount transformer	Signal injection
3 phase 200A Disconnect	Disconnect switch
1250Amp fuses	Overcurrent Protection
Enclosure for SPU	Weather-proof NEMA rated cabinet
Labor	Installation
TS2 Command Center S/W	No costs to LVRECC since it will be web hosted

Question:

Refer to Appendix A of the CWP, the Economic Conductor Analysis. Provide all data and numerical values used to construct the economic conductor calculation curve #2 ACSR, 1/0 ACSR, and 336.4 ACSR conductors.

Response:

Page 13a lists the description of the numerical values used to construct the economic conductor calculation curves. Note that all fixed costs, unit costs, power costs and escalation factors are listed for a 30 year total owning cost analysis.

Licking Valley RECC  
 12 KV 3-Phase  
 ECONOMIC CONDUCTOR ANALYSIS

O&M	TAX	INS	INT	\$/KW	KW
5.94%	0.50%	0.50%	5.00%	6.00	1000
RMO	RAT	KWI	KWHI	LGR	m
12	0.0%	3.00%	3.00%	2.00%	30
LF	PF	CF	N	KV	P
43.1%	96.0%	98.0%	0.6	7.2	3
					INF
					4.00%
					0.055

CONDUCTOR	#2 ACSR	1/0 ACSR	336.4 ACSR
COST/MI	\$80,000	\$110,000	\$145,000
OHMS/MI	1.753	1.146	0.278
TCOST/MI	\$527,258	\$674,994	\$841,035
PWCOST/MI	\$261,552	\$332,794	\$412,516