COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

OBSCURED VERSION

In the Matter of:

APPLICATION OF SOUTH KENTUCKY RURAL ELECTRIC COOPERATIVE CORPORATION FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY TO INSTALL AN ADVANCED METERING INFRASTRUCTURE SYSTEM	)))))	CASE NO. 2009-00489

SUPPLEMENTAL RESPONSE TO COMMISSION
STAFF'S FIRST DATA REQUEST

AND

PETITION TO PROTECT AND CLASSIFY
CERTAIN DOCUMENTS CONFIDENTIAL

Comes South Kentucky Rural Electric Cooperative Corporation ("South Kentucky" or "SKRECC") and tenders herewith supplemental responses to the first data request served upon South Kentucky on December 28, 2009.

Further, South Kentucky petitions the Commission, pursuant to 8:07 KAR 5:001, Section 7, and KRS 61.878, to classify as confidential the following documents:

1. The "lined out" portions of the supplemental response to request number 8.

2. The "lined out" portions of the supplemental response to request number 9.

Tendered herewith is one (1) copy of the within Supplemental Response to Commission Staff's First Data Request and Petition to Protect and Classify Certain Documents Confidential identifying by a line through those portions which unless deleted would

disclose confidential material and ten (10) copies of same with those portions obscured for which confidentiality is sought.

The "lined out" information sought by South Kentucky to be protected as confidential are of a confidential or proprietary nature, which if publicly disclosed would permit an unfair commercial advantage to South Kentucky's competitors pursuant to KRS 61.878 and 807 KAR 5:001, Section 7. Indeed, South Kentucky's vendors provided information pursuant to express confidentiality agreements which could subject South Kentucky to civil liability if the information is made publicly available.

The undersigned, Stephen Johnson, states that he is the Vice President of Finance of South Kentucky Rural Electric Cooperative Corporation who supervised the preparation of the within response and certifies that the within response is true and accurate to the best of his knowledge, information and belief formed after reasonable inquiry.

STEPHEN JOHNSON
VICE PRESIDENT OF FINANCE
SOUTH KENTUCKY RURAL ELECTRIC
COOPERATIVE CORPORATION
SOMERSET, KENTUCKY 42501
(606) 451-4123

DARRELL L. SAUNDERS
ATTORNEY FOR SOUTH KENTUCKY
RURAL ELECTRIC COOPERATIVE
CORPORATION
700 MASTER STREET
P.O. BOX 1324
CORBIN, KENTUCKY 40702
(606) 523-1370 TELEPHONE
(606) 523-1372 FACSIMILE

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the above and foregoing was this 16 day of January, 2010 deposited in the regular United States mail, all postage prepaid and addressed for delivery to Mr. Richard W. Bertelson, III, Public Service Commission, 211 Sower Blvd., P.O. Box 615, Frankfort, KY 40602-0615.

ATTORNEY FOR SOUTH KENTUCKY RURAL ELECTRIC COOPERATIVE CORPORATION

South Kentucky RECC
A Touchstone Energy® Cooperative

Allen Anderson, President & CEO

925-929 North Main Street
Post Office Box 910
Somerset, KY 42502-0910
Telephone 606-678-4121
Toll Free 800-264-5112
Fax 606-679-8279
www.skrecc.com

Please insert the Supplemental Responses into the Reponses To Commission Staff's First Data Request.

HD SUPPLY UTILITIES

TO:	South KY RECC	CUST. NO	
		EXPIRES:	30 DAYS
ATTN:	*Dallas Hopkins*	TERMS:	NET 30
		FREIGHT:	PREPAID/ALLD
FROM:	Marty Lawson , Account Representative	Date:	6/8/2009

QTY	CAT. NO	DESCRIPTION	SELL	UM	TOTAL
1	TNS-HW-75K	DELL SERVER MASTER STATION		E	
1	TNS-SW-50K-1C	AMI NET SERVER LICENSING FEE FOR up to 99,000 points		E	
		This includes PrOasys			
1		Optimum Server		E	
1	TNS-COMM-RS32	COMM SERVER		E	
1	STS	Substation Test Set			
3	STD-SS-12	Premium Support Services		Y	
1		Project Management support and on site training. (1st year only)		E	
1		If you buy the server and send it to ACLARA to load software		E	
		UtiliSales Prepayment System			
		Includes Software,Server,and Trianing.		E	
3		Premium Support Services		Y	
		TWACS Power Line AMI Software for Internet Viewing			
1		Software / Support / for Consumer In Home Viewing			
36		Monthly Web Hosting for Internet Viewing			
		BILLED FROM ACLARA			
		SUBSTATION EQUIPMENT			
5	Y86700-725	(CRU)CONTROL AND RECEIVING UNIT W/1CARD with new MIRA Board		E	
26		(CRU)CONTROL AND RECEIVING UNIT W/2CARD with new MIRA Board		E	
9		(CRU)CONTROL AND RECEIVING UNIT W/3CARD with new MIRA Board		E	
40	Y-86990-1	High Density Feeder Panel for the CRU's		E	
		NOTE: 1 CARD PER 4/ 3 PHASE FEEDERS			
41	Y88300-301-SET	OUTBOUND MODULATION UNIT		E	
142	Y83760-1	EXTERNAL INBOUND PICKUP UNIT(1 IPU Per FEEDER)		E	
4	000K2PO6K57A	**75 KVA MODULATION TRANSFORMER 7200 ASSEMBLED**		E	
		(includes fiber optic and pad for transformer)			
29	000K2P08K87A	**150 KVA MODULATION TRANSFORMER 7200 ASSEMBLED**		E	
		(includes fiber optic and pad for transformer)			
6		**150 KVA MODULATION TRANSFORMER 14.4 ASSEMBLED**		E	
		(includes fiber optic and pad for transformer)			

TENNESSEE VALLEY ELECTRIC SUPPLY CO
KNOXVILLE, TENNESSEE

QUOTATION

TO:	South KY RECC		CUST. NO		
			EXPIRES:	30 DAYS	
ATTN.	*Dallas Hopkins*		TERMS:	NET 30	
			FREIGHT:	PREPAID/ALLD	
FROM:	Marty Lawson , Account Representative		Date:		6/8/2009
1		**225 KVA MODULATION TRANSFORMER 14.4 ASSEMBLED**		E	
		(includes fiber optic and pad for transformer)			
1		**300 KVA MODULATION TRANSFORMER 14.4 ASSEMBLED**		E	
		(includes fiber optic and pad for transformer)			
1		**500 KVA MODULATION TRANSFORMER 7200 ASSEMBLED**		E	
		(includes fiber optic and pad for transformer)			
		NOTE: TRANSFORMER PRICING SUBJECT			
		TO CHANGE.			
0	**F-65-72-4 Pad**	Concrete pads		E	
0		Fiber Optic Cable must have one per OMU		E	
		Note: You do not need if buying assembled transformer.			
		METER &MODULES			
67500	GE	FM2S CL200 240V METERS		E	
67500	Y72940-1	Focus UMT Module1% +- line voltage, 35 days of storage @ 15 min itervals		E	
		kwh-net, and kwh-reverse, 15-minute kw or 30 minute kw, 256 unit groups			
		1 byte fixed header ping			
2000	Y73128-1	GE KV2C 3 phase UMT module 240V/480		E	
2000		Three Phase Meters adaptable to AMI			
		Special Equipment Options			
20000		Collars for disconnect and reconnect		E	
2500		Pre-Paid Units for Members to Pre-Pay Bill		E	
7000		Load Control Units for Residential Accounts		E	
500		In-Home Display (Zigbee Compatable)		E	
		SPARES			
1	Y86807-309	SCE MIRA SPARE KIT		E	
		PRICES ARE FIRM FOR SYSTEM DELIVERABILITY			
		UP TO THREE YEARS....			
		BILLED FROM HD SUPPLY			
		Standard Delivery is 16-18 weeks ARO			
		!!! NOTE: ALL FUSING FOR BUS SHOULD INCLUDE			
		CURRENT LIMITING FUSES !!!			

TENNESSEE VALLEY ELECTRIC SUPPLY CO
KNOXVILLE, TENNESSEE
QUOTATION

TO:	South KY RECC		CUST. NO		
			EXPIRES:	30 DAYS	
ATTN:	*Dallas Hopkins*		TERMS:	NET 30	
			FREIGHT:	PREPAID/ALLD	
FROM:	Marty Lawson , Account Representative		Date:		6/8/2009
3	Three Years	communications line for each substation 40 lines @ $50.00 per mo			
	Three Years	spare parts to repair meterbases			
		Other Vendor Billing			
		GRAND TOTAL			$13,505,479.00

Instructions and Summary

Award Number: DE-FOA-0000058
Award Recipient: South Kentucky RECC

Date of Submission: January 8, 2010
Form submitted by: South Kentucky RECC
(May be award recipient or sub-recipient)

Please read the instructions on each page before starting.
If you have any questions, please ask your DOE contact. It will save you time!

On this form, provide detailed support for the estimated project costs identified on the SF-424A form (Budget).

- **The dollar amounts on this page must match the amounts on the associated SF-424A.**
- **The award recipient and each sub-recipient with estimated costs of $100,000 or more must complete this form and a SF-424A form.**
- **The total budget presented on this form and on the SF424A must include both Federal (DOE), and Non-Federal (cost share) portions, thereby reflecting TOTAL PROJECT COSTS proposed.**
- **For costs in each Object Class Category on the SF-424A, complete the corresponding worksheet on this form (tab at the bottom of the page).**
- **All costs incurred by the preparer's sub-recipients, vendors, contractors, consultants and Federal Research and Development Centers (FFRDCs), should be entered only in section f. Contractual. All other sections are for the costs of the preparer only.**

SUMMARY OF BUDGET CATEGORY COSTS PROPOSED

(Note: The values in this summary table are from entries made in each budget category sheet.)

CATEGORY	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Total Costs	Project Costs %	Comments (Add comments as needed)
a. Personnel					0.0%	
b. Fringe Benefits					0.0%	
c. Travel	$29,750	$10,000	$10,000	$49,750	7.7%	For training and updates on system operation
d. Equipment					0.0%	
e. Supplies	$0	$0	$0	$0	0.0%	
f. Contractual						
Sub-recipient	*$0*	*$0*	*$0*	*$0*	*0.0%*	
FFRDC	*$0*	*$0*	*$0*	*$0*	*0.0%*	
Vendor					*0.0%*	
Total Contractual					0.0%	
g. Construction	$0	$0	$0	$0	0.0%	
h. Other Direct Costs	$215,115	$190,115	$190,115	$595,345	92.3%	
i. Indirect Charges	$0	$0	$0	$0	0.0%	
Total Project Costs	$244,865	$200,115	$200,115	$645,095	100.0%	

Additional Explanations/Comments (as necessary)

PMC123.1 - Budget Justification for SF 424A Budget

South Kentucky RECC

a. Personnel

PLEASE READ!!!

List costs solely for employees of the entity completing this form (award recipient or sub-recipient). All other personnel costs (of subrecipients or other contractual efforts of the entity preparing this) must be included under f., Contractual. This includes all consultants and FFRDCs.

Identify positions to be supported. Key personnel should be identified by title. All other personnel should be identified either by title or a group category. State the amounts of time (e.g., hours or % of time) to be expended, the composite base pay rate, total direct personnel compensation and identify the rate basis (e.g., actual salary, labor distribution report, technical estimate, state civil service rates, etc.).

Add rows as needed. Formulas/calculations will need to be entered by the preparer of this form. Please enter formulas as shown in the example.

Task # and Title	Position Title	Budget Period 1			Budget Period 2			Budget Period 3			Project Total Hours	Project Total Dollars	Rate Basis
		Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 1	Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 2	Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 3			
1. Generation 2A Receiver Design		**10000**		**$423,000**	**600**		**$24,000**	**800**		**$31,000**	**11400**	**$478,000**	**Actual Salary**
EXAMPLE	Sr. Engineer	2000	$85.00	$170,000	200	$50.00	$10,000	200	$50.00	$10,000	**2400**	**$190,000**	Actual Salary
ONLY!!!	Electrical engineers	6200	$35.00	$217,000	400	$35.00	$14,000	600	$35.00	$21,000	**7200**	**$252,000**	Actual Salary
	Technician	1800	$20.00	$36,000	0	$0.00	$0	0	$0.00	$0	**1800**	**$36,000**	Actual Salary
1. Engineering/Technical Support													
	Engineering Team Ldr.	1040			1040			1040			**3120**		Actual Salary
	Technical Services Team Ldr.	1560			1560			1560			**4680**		Actual Salary
	IT Team Leader	520			520			520			**1560**		Actual Salary
	Metering Team Leader	1664			1664			1664			**4992**		Actual Salary
	Member Relations Team Ldr.	520			520			520			**1560**		Actual Salary
	Regulatory Administrator	1040			1040			1040			**3120**		Actual Salary
	Dispatcher 1	520			520			520			**1560**		Actual Salary
	Dispatcher 2	520			520			520			**1560**		Actual Salary
	AMI data coordinator	2080			2080			2080			**6240**		Actual Salary
	Public Relations Coordinator	520			520			520			**1560**		Actual Salary
	Customer Service Rep.	1040			1040			1040			**3120**		Actual Salary
	meter technician 1	1664			1664			1664			**4992**		Actual Salary
	meter technician 2	1664			1664			1664			**4992**		Actual Salary
	mapping technician	1040			1040			1040			**3120**		Actual Salary
	Electrical Lineman 1 (ET)	1040			1040			1040			**3120**		Actual Salary
	Electrical Lineman 2 (DC)	1040			1040			1040			**3120**		Actual Salary
	Accounting Team Leader	520			520			520			**1560**		Actual Salary
2. Management Support													
	Pres./CEO	312			312			312			**936**		Actual Salary
	, Engineering and Operations	1040			1040			1040			**3120**		Act ary

Task # and Title	Position Title	Budget Period 1			Budget Period 2			Budget Period 3			Project Total Hours	Project Total Dollars	Rate Basis
		Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 1	Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 2	Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 3			
	VP, Finance	520			312			312			1144		Actual Salary
	VP, Member Relations	520			520			520			1560		Actual Salary
3. Field Installations													
	Meter installer 1 (RJ)	2080			2080			2080			6240		Actual Salary
	Meter installer 2 (DC)	2080			2080			2080			6240		Actual Salary
	Meter installer 3 (JC)	2080			2080			2080			6240		Actual Salary
	Meter installer 4 (CT)	2080			2080			2080			6240		Actual Salary
	Meter installer 5 (DB)	2080			2080			2080			6240		Actual Salary
	Meter installer 6 (GN)	2080			2080			2080			6240		Actual Salary
	Meter installer 7 (BY)	2080			2080			2080			6240		Actual Salary
	Total Personnel Costs	34944		$0	34736		$0	34736		$0	0	$0	

Additional Explanations/Comments (as necessary)

a. Personnel

b. Fringe Benefits

	Budget Period 1	Budget Period 2	Budget Period 3	Total
Rate applied:	56.0%	56.0%	56.0%	
Total fringe requested:	$ -	$0	$0	**$0**

A federally approved fringe benefit rate agreement, or a proposed rate supported and agreed upon by DOE for estimating purposes is required if reimbursement for fringe benefits is requested. Please check (X) one of the options below and provide the requested information. Calculate the fringe rate and enter the total amount in Section B, line 6.b. ("Fringe Benefits") of form SF-424A.

_____ **A fringe benefit rate has been negotiated with, or approved by, a federal government agency. A copy of the latest rate agreement is included with this application, and will be provided electronically to the Contracting Officer for this project.**
**In the area designated below, identify the full calculations used to derive the total fringe costs. See further information below.*

_____ **There is not a current, federally approved rate agreement negotiated and available.**
*When this option is checked, the entity preparing this form shall submit a rate proposal in the format provided at the following website, or a format that provides the same level of information and which will support the rates being proposed for use in performance of the proposed project. Go to https://www.eere-pmc.energy.gov/forms.aspx and select PMC 400.2 Sample Rate Proposal. * In the area designated below, identify the full calculations used to derive the total fringe costs. See further information below.*

Additional explanation/comments (as necessary)

*IMPORTANT: In the space provided below (or as an attachment) provide a complete explanation and the full calculations used to derive the total fringe costs. If the total fringe costs are a cumulative amount of more than one calculation or rate application, the explanation and calculations should identify all rates used, along with the base they were applied to (and how the base was derived), and a total for each (along with grand total). The rates and how they are applied should not be averaged to get one fringe cost percentage. NOTE: The fringe benefit rate should be applied to both the Federal Share and Recipient Cost Share. Please see attachment

PMC123.1 - Budget Justification for SF 424A Budget

South Kentucky RECC

c. Travel

PLEASE READ!!!

Provide travel detail as requested below, identifying total Foreign and Domestic Travel as separate items. *Purpose of travel are items such as professional* conference, DOE sponsored meeting, project management meeting, etc. The Basis for Estimating Costs are items such as past trips, current quotations, Federal Travel Regulations, etc.

All listed travel must be necessary for performance of the Statement of Projecct Objectives.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

Purpose of travel	No. of Travelers	Depart From (not required for domestic travel)	Destination (not required for domestic travel)	No. of Days	Cost per Traveler	Cost per Trip	Basis for Estimating Costs
Budget Period 1							
Domestic Travel							
EXAMPLE ONLY!!! Visit to PV cell mfr. to set up vendor agreement	2			2	$650	$1,300	Internet prices
DOE kickoff meeting in Arlington VA	3			2	$1,000	$3,000	To meet with DOE
Aclara Users Meeting in St. Louis, MO	4			4	$2,000	$8,000	Update of software and training
Aclara Training in St. Louis, MO	5			14	$3,750	$18,750	Training on installation of system
						$0	
						$0	
						$0	
						$0	
						$0	
Domestic Travel subtotal						$29,750	
International Travel							
						$0	
						$0	
						$0	
						$0	
International Travel subtotal						$0	
Budget Period 1 Total						**$29,750**	
Budget Period 2							
Domestic Travel							
Aclara Users Meeting in St. Louis, MO	5			4	$2,000	$10,000	Update of software training

Purpose of travel	No. of Travelers	Depart From (not required for domestic travel)	Destination (not required for domestic travel)	No. of Days	Cost per Traveler	Cost per Trip	Basis for Estimating Costs
						$0	
						$0	
						$0	
						$0	
Domestic Travel subtotal						$0	
International Travel						$10,000	
						$0	
						$0	
						$0	
International Travel subtotal						$0	
Budget Period 2 Total						$0	
						$10,000	
Budget Period 3							
Domestic Travel							
Aclara Users Meeting in St. Louis, MO	5			4	$2,000	$10,000	*Update of software training*
						$0	
						$0	
						$0	
						$0	
Domestic Travel subtotal						$0	
International Travel						$10,000	
						$0	
						$0	
						$0	
International Travel subtotal						$0	
Budget Period 3 Total						$0	
PROJECT TOTAL						**$10,000**	
						$49,750	

Additional Explanations/Comments (as necessary)

c. Travel

PMC123.1 - Budget Justification for SF 424A Budget

South Kentucky RECC

d. Equipment

PLEASE READ!!!

Equipment is generally defined as an item with an acquisition cost greater than $5,000 and a useful life expectancy of more than one year. Further definitions can be found at 10 CFR 600 found on the PMC Recipient Resources Forms page at https://www.eere-pmc.energy.gov/Forms.aspx#regs .

List all proposed equipment below, providing a basis of cost such as vendor quotes, catalog prices, prior invoices, etc., and briefly justifying its need as it applies to the Statement of Project Objectives. If it is existing equipment, and the value of its contribution to the project budget is being shown as cost share, provide logical support for the estimated value shown. If it is new equipment which will retain a useful life upon completion of the project, provide logical support for the estimated value shown.

For equipment over $50,000 in price, also include a copy of the associated vendor quote or catalog price list.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

Equipment Item	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
Budget Period 1					
EXAMPLE ONLY!!! Thermal shock chamber	2	$20,000	$40,000	Vendor Quote	Reliability testing of PV modules- Task 4.3
Aclara servers/software/support	1			Vendor Quote	hardware/software for master station at headquarters
GE meters with AMI module installed	35000			Vendor Quote	Meters with remote interrogation capability
Disconnect collars	10000			Vendor Quote	Collars for remote connect/disconnect
Load control switches	3500			Vendor Quote	Switches for control of load in the home
Spare parts kit from Aclara	1			Vendor Quote	Spare parts for substation equipment
Padmount transformers for substation comm	42			Vendor Quote	Padmounts for substation
substation PLC equipment (Aclara)	42			Vendor Quote	Power Line Carrier Equipment for substation
Spare meter base parts	1			Estimate	Parts to repair meter base units in poor condition
DSL Communications with Substation	40			Estimate	Communication to office from substation
Budget Period 1 Total			$0		
Budget Period 2					
GE meters with AMI module installed	20000			Vendor Quote	hardware/software for master station at headquarters
Disconnect collars	10000			Vendor Quote	Collars for remote connect/disconnect
Load control switches	3500			Vendor Quote	Switches for control of load in the home
GE 3ph meters with AMI module installed	1000			Vendor Quote	Meters and modules for 3 phase loads
DSL Communications with Substation	40			Estimate	Communication to office from substation
Spare meter base parts	1			Estimate	Parts to repair meter base units in poor condition
			$0		
			$0		

Equipment Item	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
			$0		
Budget Period 2 Total			$0		
Budget Period 3					
GE meters with AMI module installed	12500			Vendor Quote	hardware/software for master station at headquarters
GE 3ph meters with AMI module installed	1000			Vendor Quote	Meters and modules for 3 phase loads
Prepaid units	2500			Vendor Quote	For use on accounts which wish to prepay
In home displays	500			Vendor Quote	To display electrical usage within the home
DSL Communications with Substation	40			Estimate	Communication to office from substation
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
Budget Period 3 Total			$0		
PROJECT TOTAL			**$0**		

Additional Explanations/Comments (as necessary)

PMC123.1 - Budget Justification for SF 424A Budget

South Kentucky RECC

e. Supplies

PLEASE READ!!!

Supplies are generally defined as an item with an acquisition cost of $5,000 or less and a useful life expectancy of less than one year. Supplies are generally consumed during the project performance. Further definitions can be found at 10 CFR 600 found on the PMC Recipient Resources Forms page at https://www.eere-pmc.energy.gov/Forms.aspx#regs.

List all proposed supplies below, providing a bases of cost such as vendor quotes, catalog prices, prior invoices, etc., and briefly justifying the need for the Supplies as they apply to the Statement of Project Objectives. Note that Supply items must be direct costs to the project at this budget category, and not duplicative of supply costs included in the indirect pool that is the basis of the indirect rate applied for this project.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

General Category of Supplies	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
Budget Period 1					
EXAMPLE ONLY!!! Wireless DAS components	10	$360.00	$3,600	Catalog price	For Alpha prototype - Task 2.4
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
Budget Period 1 Total			**$0**		
Budget Period 2					
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		

General Category of Supplies	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
			$0		
			$0		
			$0		
Budget Period 2 Total			$0		
Budget Period 3					
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
			$0		
Budget Period 3 Total			$0		
PROJECT TOTAL			$0		

Additional Explanations/Comments (as necessary)

f. Contractual

South Kentucky RECC

PLEASE READ!!!

The entity completing this form must provide all costs related to sub-recipients, vendors, contractors, consultants and FFRDC partners in the applicable boxes below.

Sub-recipients (partners, sub-awardees):
For each sub-recipient with total project costs of $100,000 or more, a separate SF-424A budget and PMC123.1 budget justification form must be submitted. These sub-recipient forms may be completed by either the sub-recipients themselves or by the preparer of this form. The budget totals on the sub-recipient's forms must match the sub-recipeint entries below.

The preparer of this form need only provide further support of the completed sub-recipient budget forms as they deem necessary. The support to justify the budgets of sub-recipients with estimated costs less than $100,000 may be in any format, and at a minimum should provide what Statement of Project Objectives task(s) are being performed, the purpose/need for the effort, and a basis of the estimated costs that is considered sufficient for DOE evaluation.

Vendors (includes contractors and consultants):
List all vendors, contractors and consultants supplying commercial supplies or services used to support the project. The support to justify vendor costs (in any amount) should provide the purpose for the products or services and a basis of the estimated costs that is considered sufficient for DOE evaluation.

Federal Research and Development Centers (FFRDCs):
For FFRDC partners, award recipient will provide a Field Work Proposal (if not already provided with the original application), along with the FFRDC labor mix and hours, by category and FFRDC major purchases greater than $25,000, including Quantity, Unit Cost, Basis of Cost, and Justification. The award recipient may allow the FFRDC to provide this information directly to DOE.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

Sub-Recipient Name/Organization	Purpose/Tasks in SOPO	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Project Total
EXAMPLE ONLY!!! XYZ Corp.	Partner to develop optimal fresnel lens for Gen 2 product - Task 2.4	$48,000	$32,000	$16,000	$96,000
					$0
					$0
					$0
					$0
					$0

Sub-Recipient Name/Organization	Purpose/Tasks in SOPO	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Project Total
					$0
					$0
					$0
	Sub-total	$0	$0	$0	$0

Vendor Name/Organization	Product or Service, Purpose/Need and Basis of Cost (Provide additional support at bottom of page as needed)	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Project Total
EXAMPLE ONLY!!! ABC Corp.	Vendor for developing custom robotics to perform lens inspection, alignment, and placement (Task 4). Required for expanding CPV module mfg. capacity. Cost is from competitive quotes.	$32,900	$86,500		$119,400
Substation Equipment installer	install substation communication/PLC equipment				$0
EKPC substation make ready	install substation communication/PLC equipment				$0
Meter Testing Contractor	Test meters removed from service				$0
3 Phase Meter Installer	Install 3 phase installations and equipment				$0
					$0
					$0
					$0
		$0	$0	$0	$0

FFRDC Name/Organization	Purpose	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Project Total
					$0
					$0
					$0
		$0	$0	$0	$0

Total Contractual		$0	$0	$0	$0

AdditionalExplanations/Comments (as necessary)

PMC123.1 - Budget Justification for SF 424A Budget

South Kentucky RECC

g. Construction

PLEASE READ!!!

Construction, for the purpose of budgeting, is defined as all types of work done on a particular building, including erecting, altering, or remodeling. Construction conducted by the award recipient is entered on this page. Any construction work that is performed by a vendor or subrecipient to the award recipient should be entered under f. Contractual.

List all proposed construction below, providing a basis of cost such as engineering estimates, prior construction, etc., and briefly justify its need as it applies to the Statement of Project Objectives.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

Overall description of construction actiivities:

Example Only!!! - Build wind turbine platform

General Description	Cost	Basis of Cost	Justification of need
Budget Period 1			
Three days of excavation for platform site EXAMPLE ONLY!!!	$28,000	Engineering estimate	Site must be prepared for construction of platform.
Budget Period 1 Total	**$0**		
Budget Period 2			

General Description	Cost	Basis of Cost	Justification of need
Budget Period 2 Total	$0		
Budget Period 3			
Budget Period 3 Total	$0		
PROJECT TOTAL	$0		

Additional Explanations/Comments (as necessary)

g. Construction

PMC123.1 - Budget Justification for SF 424A Budget

South Kentucky RECC

h. Other Direct Costs

PLEASE READ!!!

Other direct costs are direct cost items required for the project which do not fit clearly into other categories, and are not included in the indirect pool for which the indirect rate is being applied to this project. Examples are meeting costs, postage, couriers or express mail, telephone/fax costs, printing costs, etc.

Basis of cost are items such as vendor quotes, prior purchases of similar or like items, published price list, etc.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

General description	Cost	Basis of Cost	Justification of need
		Budget Period 1	
EXAMPLE ONLY!!! Grad student tuition	$16,000	Established UCD costs	Support of graduate students working on project
Marketing and Member Education	$50,000	Estimate	To educate members on the systems capabilities
Trans. Exp. Eng. Team Leader	$4,212	Truck #287 = 1040 hours x $4.05 per hr	Transportation Expense
Trans. Exp. Technical Serv. Team Leader	$5,846	Truck #253 = 1580 hours x $3.70 per hr	Transportation Expense
Trans. Exp. Metering Team Leader	$9,901	Truck #319 = 1664 hours x $5.95	Transportation Expense
Trans. Exp. Regulator Team Leader	$4,129	Truck #257 = 1040 hours x $3.97 per hr	Transportation Expense
Trans. Exp. AMI Data Coordinator	$12,480	**Truck to be purchased est $6.00 per hr**	Transportation Expense
Trans. Exp. Member Relations Team Leader	$1,836	Truck #227 = 520 hours x $3.53 per hr	Transportation Expense
Trans. Exp. Meter Technician I	$6,972	Truck #243 = 1664 hours x $4.19 per hr	Transportation Expense
Trans. Exp. Meter Technician 2	$6,856	Truck #226 = 1664 hours x $4.12 per hr	Transportation Expense
Trans. Exp. Mapping Technician	$11,097	Truck #310 = 1040 hours x $10.67 per hr	Transportation Expense
Trans. Exp. V.P. of Eng. & Operations	$2,756	Truck # 11 = 1040 hours x $2.65 per hr	Transportation Expense
Trans. Exp. Meter Installer 1	$15,413	Truck #264 = 2080 hours x $7.41 per hr	Transportation Expense
Trans. Exp. Meter Installer 2	$7,301	Truck #204 = 2080 hours x $3.51 per hr	Transportation Expense
Trans. Exp. Meter Installer 3	$10,546	Truck #283 = 2080 hours x $5.07 per hr	Transportation Expense
Trans. Exp. Meter Installer 4	$6,448	Truck #32 = 2080 hours x $3.10 per hr	Transportation Expense
Trans. Exp. Meter Installer 5	$8,798	Truck #2 = 2080 hours x $4.23 per hr	Transportation Expense
Trans. Exp. Meter Installer 6	$6,802	Truck #4 = 2080 hours x $3.27 per hr	Transportation Expense
Trans. Exp. Meter Installer 7	$10,088	Truck #262 = 2080 hours x $4.85 per hr	Transportation Expense
Electrical Lineman 1	$12,761	Truck #307 = 1040 hours x $12.27 per hr	Transportation Expense
Electrical Lineman 2	$20,873	Truck #275 = 1040 hours x $20.07 per hr	Transportation Expense (Bucket Truck for line connection repair)
Budget Period 1 Total	$215,115		
		Budget Period 2	
Marketing and member Education	$25,000	Estimate	To educate members on the systems capabilities
Trans. Exp . Team Leader	$4,212	Truck #287 = 1040 hour	.05 per hr Transportation Expense

General description	Cost	Basis of Cost	Justification of need
Trans. Exp. Technical Serv. Team Leader	$5,846	Truck #253 = 1580 hours x $3.70 per hr	Transportation Expense
Trans. Exp. Metering Team Leader	$9,901	Truck #319 = 1664 hours x $5.95	Transportation Expense
Trans. Exp. Regulator Team Leader	$4,129	Truck #257 = 1040 hours x $3.97 per hr	Transportation Expense
Trans. Exp. AMI Data Coordinator	$12,480	Truck to be purchased est $6.00 per hr	Transportation Expense
Trans. Exp. Member Relations Team Leader	$1,836	Truck #227 = 520 hours x $3.53 per hr	Transportation Expense
Trans. Exp. Meter Technician I	$6,972	Truck #243 = 1664 hours x $4.19 per hr	Transportation Expense
Trans. Exp. Meter Technician 2	$6,856	Truck #226 = 1664 hours x $4.12 per hr	Transportation Expense
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Trans. Exp. Meter Installer 1	$15,413	Truck #264 = 2080 hours x $7.41 per hr	Transportation Expense
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Trans. Exp. Meter Installer 4	$6,448	Truck #32 = 2080 hours x $3.10 per hr	Transportation Expense
Trans. Exp. Meter Installer 5	$8,798	Truck #2 = 2080 hours x $4.23 per hr	Transportation Expense
Trans. Exp. Meter Installer 6	$6,802	Truck #4 = 2080 hours x $3.27 per hr	Transportation Expense
Trans. Exp. Meter Installer 7	$10,088	Truck #262 = 2080 hours x $4.85 per hr	Transportation Expense
Electrical Lineman 1	$12,761	Truck #307 = 1040 hours x $12.27 per hr	Transportation Expense
Electrical Lineman 2	$20,873	Truck #275 = 1040 hours x $20.07 per hr	Transportation Expense (Bucket Truck for line connection repair)
Budget Period 2 Total	$190,115		
		Budget Period 3	
Marketing and Member Education	$25,000	Estimate	To educate members on the systems capabilites
Trans. Exp. Eng. Team Leader	$4,212	Truck #287 = 1040 hours x $4.05 per hr	Transportation Expense
Trans. Exp. Technical Serv. Team Leader	$5,846	Truck #253 = 1580 hours x $3.70 per hr	Transportation Expense
Trans. Exp. Metering Team Leader	$9,901	*Truck #319 = 1664 hours x $5.95*	Transportation Expense
Trans. Exp. Regulator Team Leader	$4,129	Truck #257 = 1040 hours x $3.97 per hr	Transportation Expense
Trans. Exp. AMI Data Coordinator	$12,480	Truck to be purchased est $6.00 per hr	Transportation Expense
Trans. Exp. Member Relations Team Leader	$1,836	*Truck #227 = 520 hours x $3.53 per hr*	*Transportation Expense*
Trans. Exp. Meter Technician I	$6,972	Truck #243 = 1664 hours x $4.19 per hr	Transportation Expense
Trans. Exp. Meter Technician 2	$6,856	Truck #226 = 1664 hours x $4.12 per hr	Transportation Expense
Trans. Exp. Mapping Technician	$11,097	*Truck #310 = 1040 hours x $10.67 per hr*	*Transportation Expense*
Trans. Exp. V.P. of Eng. & Operations	$2,756	Truck # 11 = 1040 hours x $2.65 per hr	Transportation Expense
Trans. Exp. Meter Installer 1	$15,413	Truck #264 = 2080 hours x $7.41 per hr	Transportation Expense
Trans. Exp. Meter Installer 2	$7,301	Truck #204 = 2080 hours x $3.51 per hr	*Transportation Expense*
Trans. Exp. Meter Installer 3	$10,546	Truck #283 = 2080 hours x $5.07 per hr	Transportation Expense
Trans. Exp. Meter Installer 4	$6,448	Truck #32 = 2080 hours x $3.10 per hr	Transportation Expense
Trans. Exp. Meter Installer 5	$8,798	Truck #2 = 2080 hours x $4.23 per hr	Transportation Expense
Trans. Exp. Meter Installer 6	$6,802	Truck #4 = 2080 hours x $3.27 per hr	Transportation Expense
Trans. Exp. Meter Installer 7	$10,088	Truck #262 = 2080 hours x $4.85 per hr	Transportation Expense
Electrical L[illegible]an 1	$12,761	Truck #307 = 1040 hours [illegible]2.27 per hr	Transportation Expense

h. Other Direct Costs

General description	Cost	Basis of Cost	Justification of need
Electrical Lineman 2	$20,873	Truck #275 = 1040 hours x $20.07 per hr	Transportation Expense (Bucket Truck for line connection repair)
Budget Period 3 Total	$190,115		
PROJECT TOTAL	**$595,345**		

Additional Explanations/Comments (as necessary)

h. Other Direct Costs

PMC123.1 - Budget Justification for SF 424A Budget

South Kentucky RECC

i. Indirect Costs

	Budget Period 1	Budget Period 2	Budget Period 3	Total
Rate applied:	0.0%	0.0%	0.0%	
Total indirect costs requested:				$0

A federally approved indirect rate agreement, or rate proposed supported and agreed upon by DOE for estimating purposes is required if reimbursement of fringe benfits is requested. Please check (X) one of the options below and provide the requested information if it has not already been provided as requested, or has changed. Calculate the indirect rate dollars and enter the total in the Section B., line 6.j. (Indirect Charges) of form SF 424A.

____ **There is a federally approved indirect rate agreement. A copy is provided with this application and will be provided electronically to the Contracting Officer for this project.**
**In the area designated below, identify the full calculations used to derive the total indirect costs. See further information below.*

____ **There is no current, federally-approved indirect rate agreement.**
*When this option is checked, the entity preparing this form shall submit an indirect cost rate proposal in the format provided at the following website, or in a format that provides the same level of information and which supports the rate(s) being proposed for use in estimating the project. Go to https://www.eere-pmc.energy.gov/forms.aspx and select PMC 400.2 Sample Rate Proposal. *In the area designated below, identify the full calculations used to derive the total indirect costs. See further information below.*

Additional Explanations/Comments (as necessary)

*IMPORTANT: In the space provided below (or as an attachment) provide a complete explanation and the full calculations used to derive the total indirect costs. If the total indirect costs are a cumulative amount of more than one calculation or rate application, the explanation and calculations should identify all rates used, along with the base they were applied to (and how the base was derived), and a total for each (along with grand total). The rates and how they are applied should not be averaged to get one indirect cost percentage. NOTE: The indirect rate should be applied to both the Federal Share and Recipient Cost Share.

PMC123.1 - Budget Justification for SF 424A Budget

South Kentucky RECC

Cost Share

PLEASE READ!!!

A detailed presentation of the cash or cash value of all cost share proposed for the project must be provided in the table below. Identify the source & amount of each item of cost share proposed by the award recipient and each sub-recipient or vendor. Letters of committment must be submitted for all third party cost share (other than award recipient).

Note that "cost-share" is not limited to cash investment. Other items that may be assigned value in a budget as incurred as part of the project budget and necessary to performance of the project, may be considered as cost share, such as: contribution of services or property; donated, purchased or existing equipment; buildings or land; donated, purchased or existing supplies; and/or unrecovered personnel, fringe benefits and indirect costs, etc. For each cost share contribution identified as other than cash, identify the item and describe how the value of the cost share contribution was calculated.

Funds from other Federal sources MAY NOT be counted as cost share. **This prohibition includes FFRDC sub-recipients. Non-Federal sources include private, state or local Government, or any source not originally derived from Federal funds. Documentation of cost sharing commitments must be provided, if not already provided with the original application and they have not changed since its submission.**

Fee or profit will not be paid to the award recipients or subrecipients of financial assistance awards. Additionally, foregone fee or profit by the applicant shall not be considered cost sharing under any resulting award. Reimbursement of actual costs will only include those costs that are allowable and allocable to the project as determined in accordance with the applicable cost principles prescribed in 10 CFR 600.127, 10 CFR 600.222 or 10 CFR 600.317. Also see 10 CFR 600.318 relative to profit or fee.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

Organization/Source	Type (cash or other)	Cost Share Item	Budget Period 1 Cost Share	Budget Period 2 Cost Share	Budget Period 3 Cost Share	Total Project Cost Share
ABC Company **EXAMPLE ONLY!!!**	Cash	Project partner ABC Company will provide 40 PV modules for product development at 50% off the of the retail price of $680	$13,600			**$13,600**
South Kentucky RECC	Cash	Personnel costs				
South Kentucky RECC	Cash	Fringe Benefits				
South Kentucky RECC	Cash	Travel	$29,750	$10,000	$10,000	**$49,750**
South Kentucky RECC	Cash	Equipment				

Organization/Source	Type (cash or other)	Cost Share Item	Budget Period 1 Cost Share	Budget Period 2 Cost Share	Budget Period 3 Cost Share	Total Project Cost Share
Vendor	Cash	Substation Equipment Installation; Substation Communication Installation; Testing of meters removed from service; Installation of 3 phase metering				
Other Direct costs	Cash	Transporation Expense and Marketing and Member Education	$107,558	$95,058	$95,058	**$297,674**
						$0
						$0
						$0
						$0
		Totals	**$137,308**	**$105,058**	**$105,058**	**$347,424**

Total Project Cost: $645,095

Cost Share Percent of Award: 53.9%

Additional Explanations/Comments (as necessary)

Comparison of Twacs system to Cannon and the Hunt system chosen by Inter County

Inter County
(system to the best of our knowledge)

BASIC SYSTEM COMPONENTS

computer hardware
software
substation equipment
annual support

meters/meter hardware
test equipment
training and implementation

substation communications

TOTAL $ -

OTHER AMI COMPONENTS
(to encourage consumer usage change and TOU rates)

N/A

TOTAL $ -

Labor, Fringe Benefits, Transportation Costs
(similar for each of these systems- installing meters, troubleshooting)

Company labor
Company labor

TOTAL $ -

GRAND TOTAL $ -

Cannon as quoted to SKRECC

BASIC SYSTEM COMPONENTS

Yukon Master Station
Workstations/Servers
Substation injectors/equipment (42)
Capacitor Blocking Units/Repeaters (180)
Installing cap blocks and repeaters (180)
69,500 meters with modules
spare parts
test equip. and tools
training, documentation, proj. mgmt.(3 yrs.)
test/junk old meters (69,500)
meter base spare parts
substation communications (3 yrs)

TOTAL

OTHER AMI COMPONENTS
(to encourage consumer usage change and TOU rates)

N/A - Quote for AMR only

TOTAL $ -

Labor, Fringe Benefits, Transportation Costs
(similar for each of these systems- installing meters, troubleshooting)

Labor to install/support system
Marketing

TOTAL $ -

GRAND TOTAL $ -

TWACS as quoted to SKRECC

BASIC SYSTEM COMPONENTS

Master Station (69,500 endpoints)	(1)
Servers/software	(1)
substation padmounts/equipment (42)	(1)
69,500 meters with modules	(1)
spare parts	(1)
test equipment	(1)
training,support (3 years)	(1)
test/junk old meters (69,500)	
meter base spare parts	(1)
substation communications (3 yrs)	(1)

TOTAL

OTHER AMI COMPONENTS
(to encourage consumer usage change and TOU rates)

Endpoints for software lic (29,700)	(1)
Pre-paid system	(1)
Consumer Internet Viewing Capabilities	(1)
Load Control (7,000 switches)	(1)
In-home displays (500)	(1)
Disconnect Collars (20,000)	(1)

TOTAL $ -

Labor, Fringe Benefits, Transportation Costs
(similar for each of these systems- installing meters, troubleshooting)

Labor to install/support system
Marketing

TOTAL $ -

GRAND TOTAL $ -

HD Vendor Quote Sum of (1)

Transportation, Labor and Fringe Benefits are a one time installation expenditure.

See Supplemental Reponses Item No. 9
Page 2 and 3 of 20.

See below the calculations for Fringe Benefits.

South Kentucky RECC
Projected Wages and Benefits

	Projected 2010
Base Wages	$8,256,512.00
Payroll Taxes	$631,605.78
Workers Compensation	$228,000.00
Unemployment	$13,000.00
Subtotal	$872,605.78
Health	$1,300,000.00
Dental	$47,000.00
Life, ADD, LTD	$94,721.67
RS Plan	$1,821,145.04
401k	$202,985.48
Sick Leave	$221,105.26
Other	$64,083.49
Subtotal	$3,751,040.94
Total	$4,623,646.72
	56.00%

Meter Reading – is 537,500 accounts read for 2010 at .67 cents with a declining amount for the next following two years and then leveling off to the amount which is required to be read annually.

Meter Replacements – After warranty period we estimate to replace 300 units per year at $100 per.

AMI Tech – Estimated Labor and Fringe Benefits for a Tech to work the program.

DSL – is the cost for the communication to 40 substations annually.

System Hardware – Annual Hardware and Software Maintenance Cost.

All of these costs are ongoing.