



ADDENDUM NUMBER ONE FOR RFQ 147665

DATE: April 4, 2016
TO: ALL BIDDERS OF RECORD
FROM: LYN MAJESKI, ACCOUNTING DIVISION MANAGER
BID FOR: REQUEST FOR QUALIFICATIONS MATERIALS FOR WEATHERIZATION AND ENERGY RETROFITTING OF APPROXIMATELY 230 HOMES

This addendum forms a part of and modifies the bid specifications for the above item currently due for submission by April 12, 2016 at 2:00 P.M. (local time) at the City of Oak Ridge, Central Services Complex, 100 Woodbury Lane, Oak Ridge, Tennessee.

ITEM 1 – Comments and Questions received from Potential Bidders

1. When pricing the equipment, is the cost for the complete install for the HVAC system (copper lineset, wiring, t-stat, condensate, electrical needs), or is this the cost for the equipment only?

Smaller components of the system, such as (copper lineset, wiring, t-stat, condensate, electrical need) are in the cost of install for a contractor.

2. Questions regarding the HVAC equipment. I noticed there were only package units, PTAC and Mini Splits. Package units are not manufactured in 1.5-Ton and come in 2-Ton through 5-Ton.
 - A. Will split systems heat pumps (heat pump/air handler/heat strip) also need to be quoted?

Yes

- B. There is not a line item for the heat strip for package units.

All equipment must have the ability to Heat and Cool. Quoted Price shall all necessary options to do so.

- C. Does TVA allow for PTAC?

PTAC

3. Are there minimum requirements on the SEER And EEER? For example, I believe current TVA standards required the following but please review your contract as your standards may be different:

Split

· SEER 14.5 EER 8.2

Package Units

· SEER 14 EER 8

Mini

· SEER 14.5 EER 8.2

The minimum requirements for these were passed to you in the attached email.

Type	ENERGY STAR Qualifications			AHRI		Warranty	
	HSPF	SEER	EER	Certified	Indoor and Outdoor Unit Matched	Parts and Labor	Compressor
Air Source Split System	≥ 8.5	≥15	≥12.5	Yes	Yes	1 Year	5 Years
Air Source Single Package	≥8.2	≥15	≥12	Yes	N/A	1 Year	5 Years
Central AC Split System	N/A	≥15	≥12.5	Yes	Yes	1 Year	5 Years
Central AC Single Package	N/A	≥15	≥12	Yes	N/A	1 Year	5 Years

4. Also, on the duct sealing items, I noticed the R8 flex is only requested up to 12 inch. Might I suggest that you include the sizes 14" and 16".

YES

5. Also I noticed item number D20 for Duct Wrap was only an R6, and I believe and R8 is required for TVA.

R-8 is required by TVA.

6. I also noticed there is no hard pipe listed on the quote for building the supply trunk line. I believe TVA requires 28-gauge hard pipe for the supply line. These sizes can vary from 10" though 18"

Yes. Gauge requirement is not in the contract.

7. Another thing I noticed was there was no request for mastic 181 paste which is used to paint the duct work with to air seal it properly. Is this to be included on the bid?

Installation contractor will be expected to supply.

8. Will the city of Oak Ridge be making advance purchases and payments for the supplies and HVAC equipment?

The City will be making advance purchases quarterly, vendor will be responsible for providing documentation of materials picked up monthly for tracking. Overpayments will be corrected and reimbursed prior to the following quarterly procurement.

9. Is there a list of approved General Contractors / Dealers that will be doing the actual installations?

No set list. Contractors that are interested in participating can register at <http://www.makeoree.com/fo-contractors/>

10. Is there an interest in obtaining an extended 10 year labor agreement if available on the packaged heat pump HVAC equipment in addition to the standard equipment warranty?

Minimum requirements from TVA for warranty duration is above. If warrantees are available to exceed the minimum requirements at no additional then yes.

11. What is the time frame for start and completion of these jobs?

Installation of items are scheduled from April 2016 to September 2017

ITEM 2 – Additions

Vendors shall identify materials currently available for pickup on the 13th, as an additional item to be considered.

ITEM 3 – Changes

Attached are new bid sheets, pages 3-11, that replace pages 3-11.

***** Acknowledge receipt of this addendum on Page 13 of the Bid Form *****

Requirements for listed materials

All air sealing material must be rated for 20-year life.

All air sealing materials must be TVA qualified

All attic access opening material must be insulated to a minimum of R-10

All attic insulation must meet R-38 minimum

All knee wall insulation must meet R-18 minimum

Item	Description	Mfg.	Model No.	Unit Price
AS1	Airtight Baffle 6 in	White		
AS2	Airtight Baffle 6 in	Black		
AS3	Aluminum Roll Flashing 20 in x 50 ft			
AS4	Aluminum Roll Flashing 10 in x 50 ft			
AS5	Aluminum Roll Flashing 10 in x 10 ft			
AS6	Aluminum Roll Flashing 20 in X 10 ft			
AS7	Weatherstip Tape 3/8 in. X 3/16 in. x 10 ft.			
AS8	Weatherstip Tape .5 in X 17 ft			
AS9	Weatherstip Tape 3/8 in. x 3/16 in. 17 ft			
AS10	Weatherstip Tape 3/8" x 1/4" x 17'			
AS11	Weatherstip Tape 3/8" x 1/2" x 10'			
AS12	Weatherstip Tape 1/4" x 1/2" x 10'			
AS13	Foam Door Weatherstrip 1-in x 6.75-ft			
AS14	Foam Door Seal 1 in. x 7 ft.			
AS15	Rubber Weatherseal 6Mx9MMx7MM			
AS16	Door Weatherstip 36" x 84"			
AS17	Wind.&Door Silicone Caulk Tube			
AS18	Wind.&Door Silicone Caulk Case			
AS19	Wind./Door/Siding Silicone Caulk 10 oz			
AS20	Wind.&Door Silicone Caulk 10 oz			
AS21	Spray Foam Sealant 16 oz			
AS22	Window/Door Foam Sealant 16 oz			
AS23	Door Sweep 36 in			
AS24	Door Sweep 36 in			
AS25	Exterior Door Sweep 1/4-in x 36-in			
AS26	Storm Door Sweep 36 in			

Item	Description			Mfg.	Model No.	Unit Price
AS27	Door Sweep	2 1/8 in X 36 in				
AS28	Self Adhasive Door Sweep	36 in				
A1	Fiberglass	R6.7	16-in x 4-ft			
A2	Fiberglass	R13	15-in x 32-ft			
A3	Fiberglass	R19	15-in x 39.2-ft			
A4	Fiberglass	R30	15-in x 25-ft			
A5	Fiberglass	R19	106.3-sq ft			
A6	Fiberglass	R6	12-in x 15-ft			
A7	Fiberglass	R13	15-in x 93-in			
A8	Fiberglass	R30	23 in. x 25 ft.			
A9	Fiberglass	R38	16 in. x 48 in.			
A10	Fiberglass	R30	16 in. x 48 in.			
A11	Fiberglass	R30	15 in. x 300 in.			
A12	Blow In	R60				
A13	Blow In	R19	106.3-sq ft			
A14	Fiberglass	R19	23-in x 39ft			
A15	Fiberglass	R13	23-in x 93-in			
A16	Fiberglass	R19	15-in x 39-ft			

Requirements for Listed Material

Equipment must be EnergyStar rated.
 Equipment must be new.
 Equipment must include a minimum warranty of 1 year on parts and labor.
 Equipment must include a minimum warranty of 5 years on the compressors.
 Equipment must have ability to Heat and Cool.
 Split System Equipment must be matched per AHRI and achieve ≥ 14.5 SEER.
 Packaged Equipment must be AHRI listed and achieve ≥ 14 SEER.

Additional Guidance

List units meeting capacity requirements in the list below. Fill in information for Manufacturer, Model Number, HSPF(if Applicable), SEER, EER, Warranty length, programmable, and additional information as necessary.

Item	Type	Heating Fuel	BTU Rating	Cooling Cap	HSPF	SEER	EER	Parts & Labor Warranty (Years)	Compressor Warranty (Years)	Energy Star	Programmable (Yes/No)	Manufacturer	Model Number	Price (US \$)	Notes
H1	Mini Split HP (Evaporators)	Electric	6000							Yes					
H2	Mini Split HP (Evaporators)	Electric	7000							Yes					
H3	Mini Split HP (Evaporators)	Electric	9000							Yes					
H4	Mini Split HP (Evaporators)	Electric	12000							Yes					
H5	Mini Split HP (Evaporators)	Electric	15000							Yes					
H6	Mini Split HP (Evaporators)	Electric	18000							Yes					
H7	Mini Split HP (Evaporators)	Electric	20000							Yes					
H8	Mini Split HP (Evaporators)	Electric	22000							Yes					
H9	Mini Split HP (Evaporators)	Electric	24000							Yes					
H10	Mini Split HP (Evaporators)	Electric	30000							Yes					
H11	Mini Split HP (Condensers)	Electric	18000							Yes					
H12	Mini Split HP (Condensers)	Electric	20000							Yes					
H13	Mini Split HP (Condensers)	Electric	22000							Yes					
H14	Mini Split HP (Condensers)	Electric	24000							Yes					
H15	Mini Split HP (Condensers)	Electric	26000							Yes					
H16	Mini Split HP (Condensers)	Electric	30000							Yes					
H17	Mini Split HP (Condensers)	Electric	36000							Yes					
H18	Packaged HP	Electric	24000	2 Tons						Yes					
H19	Packaged HP	Electric	30000	2.5 Tons						Yes					
H20	Packaged HP	Electric	36000	3 Tons						Yes					
H21	PTAC	Electric	6000	250 sq. ft.						Yes					
H22	PTAC	Electric	8000	250 sq. ft.						Yes					
H23	PTAC	Electric	8000	350 sq. ft.						Yes					
H24	PTAC	Electric	10000	450 sq. ft.						Yes					
H25	PTAC	Electric	12000	550 sq. ft.						Yes					
H26	PTAC	Electric	15100	850 sq. ft.						Yes					
H27	Split System (Evaporator)	Electric	18,000	1.5 Tons						Yes					Price both HP and CAC units
H28	Split System (Condenser)	Electric	18,000	1.5 Tons						Yes					Price both HP and CAC units
H29	Split System (Evaporator)	Electric	24,000	2 Tons						Yes					Price both HP and CAC units
H30	Split System (Condenser)	Electric	24,000	2 Tons						Yes					Price both HP and CAC units
H31	Split System (Evaporator)	Electric	30,000	2.5 Tons						Yes					Price both HP and CAC units
H32	Split System (Condenser)	Electric	30,000	2.5 Tons						Yes					Price both HP and CAC units
H34	Split System (Evaporator)	Electric	36,000	3 Tons						Yes					Price both HP and CAC units
H35	Split System (Condenser)	Electric	36,000	3 Tons						Yes					Price both HP and CAC units

Additional requirements for listed materials

Prime Window

Must meet local ENERGY STAR requirements

Must have NFRC sticker

Storm Windows

Must have a minimum of 20-year life expectancy

Skylights

Must meet local ENERGY STAR requirements

Must have NFRC sticker

Item #	Description	Rough Opening	Actual Opening	Energy Star	Warranty	Mfg.	Model #	Unit Price
S1	Fixed	22.5 in. x 46.5 in.	27.375-in x 51.375-in	Yes				
S2	Fixed	21-in x 45.75-in	24-in x 48.75-in	Yes				
S3	Fixed	22.5-in x 22.5-in	29.75-in x 29.75-in	Yes				
S4	Fixed	14.5 in. x 45.75 in.		Yes				
S5	Fixed	22.5 in. x 46.5 in.		Yes				
S6	Fixed	14.5-in x 46.5-in	19.375-in x 51.375-in	Yes				
S7	Fixed	46.5 in x 26.5 in.		Yes				
S8	Fixed	22.5-in x 45.5-in	24-in x 46-in	Yes				
S9	Fixed	46.5-in x 45.5-in	48-in x 46-in	Yes				
S10	Fixed	30.5-in x 54-in	32-in x 55-in	Yes				
S11	Fixed	46.5-in x 26.5-in	48-in x 27-in	Yes				
S12	Fixed	30.5-in x 45.5-in	32-in x 46-in	Yes				
S13	Fixed	22.5-in x 54-in	24-in x 44-in	Yes				
S14	Fixed	22.5-in x 37.5-in	24-in x 38-in	Yes				
S15	Fixed	14.5-in x 45.5-in	16-in x 46-in	Yes				
S16	Fixed	30.5-in x 37.5-in	32-in x 38-in)	Yes				
S17	Fixed	22.5-in x 26.5-in	24-in x 27-in	Yes				
SW1	2-Track	28 x 47	27.875 x 47		Lifetime			
SW2	2-Track	28 x 55	27.875 x 55		Lifetime			
SW3	2-Track	28 x 39	27.875 x 39		Lifetime			
SW4	2-Track	36 x 63	35.875 x 63		Lifetime			
SW5	2-Track	36 x 47	38.875 x 47		Lifetime			

Item #	Description	Rough Opening	Actual Opening	Energy Star	Warranty	Mfg.	Model #	Unit Price
SW6	2-Track	36 x 55	35.875 x 55		Lifetime			
SW7	2-Track	36 x 39	35.875 x 39		Lifetime			
SW8	2-Track	36 x 47	35.875 x 47		Lifetime			
SW9	2-Track	32 x 55	31.875 x 55		Lifetime			
SW10	2-Track	32 x 63	31.875 x 63		Lifetime			
SW11	2-Track	32 x 47	31.875 x 47		Lifetime			
SW12	2-Track	28 x 63	27.875 x 63		Lifetime			
SW13	2-Track	32 x 39	31.875 x 39		Lifetime			
SW14	2-Track	24 x 39	23.875 x 39		Lifetime			
SW15	2-Track	40 x 55	39.875 x 55		Lifetime			
SW16	2-Track	28 x 59	27.875 x 59		Lifetime			
SW17	2-Track	24 x 55	23.875 x 55		Lifetime			

Additional requirements for listed materials

Prime Door

Must meet local ENERGY STAR requirements

Must have NFRC sticker

Must have new door jamb and new threshold shipped by the manufacturer

Item #	Type	Inswing	Color	Energy Star	Common	Actual	Mfg.	Model #	Unit Price
Dr1	Fiberglass w/ Windows	R & L	White	Yes	36-in x 80-in	37.5-in x 81.5-in			
Dr2	Fiberglass w/ Windows	R & L	White	Yes	32-in x 80-in	33.5-in x 81.5-in			
Dr3	Fiberglass	L	White	Yes	36-in x 80-in	37.5-in x 81.5-in			
Dr4	Fiberglass	R	White	Yes	32-in x 80-in	33.5-in x 81.5-in			
Dr5	Fiberglass	R & L	White	Yes	36-in x 80-in	37.5-in x 81.5-in			
Dr6	Steel	R & L	White	Yes	32-in x 80-in	33.5-in x 81.75-in			
Dr7	Steel	R & L	White	Yes	36-in x 80-in	37.5-in x 81.5-in			
Dr8	Steel	R & L	White	Yes	32-in x 80-in	33.5-in x 81.5-in			
Dr9	Steel w/ Windows	R & L	White	Yes	36-in x 80-in	37.5-in x 81.5-in			
Dr10	Steel w/ Arch Window	R & L	White	Yes	36-in x 80-in	37.5-in x 81.5-in			

Additional requirements for listed materials

Electric Water Heater / Heat Pump Water Heater

Water Heater must have an efficiency rating of at least .95 EF

Water storage tank must have a nominal size of 50 gallons or greater

Add on heat pumps shall meet ENERGY STAR requirements

Item #	Heating Fuel	EF	Gallons	Watts	Notes	Warranty (yrs)	Mfg.	Model #	Unit Price
W1	Electric	0.95	50	4500	Regular				
W2	Electric	0.95	50	4500	Tall				
W3	Electric	0.95	50	4500					
W4	Electric	0.95	55	4500					
W5	Electric	2.45	50	4500	Water Heater with Hybrid Heat Pump				
W6	Electric	2.75	50	4500	Water Heater with Hybrid Heat Pump				
W7	Electric	3	80	4500	Water Heater with Hybrid Heat Pump				

Additional requirements for listed materials

Duct

Sealing

Mastic must be UL 181 approved

Insulation

New ducts have minimum R-8 insulation

Item #	Type	R-Value	Size	Mfg.	Model #	Unit Price
D1	Insulated Flexible	R8	4-in x 25 ft			
D2	Insulated Flexible	R8	5-in x 25 ft			
D3	Insulated Flexible	R8	6-in x 25 ft			
D4	Insulated Flexible	R8	7-in x 25 ft			
D5	Insulated Flexible	R8	8-in x 25 ft			
D6	Insulated Flexible	R8	10-in x 25 ft			
D7	Insulated Flexible	R8	12-in x 25 ft			
D8	Insulated Flexible	R9	4-in x 12 ft			
D9	Insulated Flexible	R10	5-in x 12 ft			
D10	Insulated Flexible	R11	6-in X 12ft			
D11	Insulated Flexible	R12	8-in X 12 ft			
D12	Insulated Flexible	R13	9-in x 12 ft			
D13	Insulated Flexible	R14	10-in x 12 ft			
D14	Insulated Flexible	R15	12-in x 12 ft			
D15	Insulated Flexible	R16	14-in x 12 ft			
D16	Insulated Flexible	R17	18-in x 12 ft			
D17	Insulated Flexible	R18	20-in x 12 ft			
D18	Fiberglass Roll Insulation	R6	12-in x 15-f			
D19	Fiberglass Roll Insulation	R3	12-in x 15-ft			
D20	Insulated Duct Wrap	R8	60 sq. ft.			
D21	Insulation Sleeve	R6	6-in x 5 ft.			
D22	Insulation Sleeve		8-in x 5 ft			
D23	Mastic Tape		1.89 in. x 50 yd			
D24	Mastic Tape		1-in x 10-ft			
D25	Insulated Flexible	R8	14-in x 25 ft			
D26	Insulated Flexible	R8	16-in x 25 ft			

Additional requirements for listed materials

All Appliances must be Energy Star Certified

All Appliance warranties should be presented with pricing

Cost should include delivery charges and old unit pickup

Item #	Description				Warranty(yrs)	Mfg.	Model #	Unit Price
App1	Refrigerator	Side by Side Refrigerator/Freezer Unit, White, No IceMaker/Water	18 Cu. Ft.	Energy Star Certified				
App2	Washing Machine	Basic Unit		Energy Star Certified				
App3	Electric Dryer	Basic Unit		Energy Star Certified				
App4	Dishwasher	Basic Unit		Energy Star Certified				